MINUTES OF THE SEPTEMBER 6, 2019 MEETING
OF THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

The Board of Trustees of The University of Alabama met in the Bryant Conference
Center in Tuscaloosa on Friday, September 6, 2019. President pro tempore Ronald W.
Gray chaired the meeting. Sid J. Trant served as Secretary.

On roll call, the following Trustees were present:

The Honorable Harris V. Morrissette, Trustee from
the First Congressional District

The Honorable Marietta M. Urquhart, Trustee from
the First Congressional District

The Honorable Joseph C. Espy III, Trustee from
the Second Congressional District

The Honorable W. Davis Malone III, Trustee from
the Second Congressional District

The Honorable Kenneth L. Vandervoort, M.D., Trustee from
the Third Congressional District

The Honorable James W. Wilson, III Trustee from
the Third Congressional District

The Honorable Evelyn VanSant Mauldin, Trustee from
the Fourth Congressional District

The Honorable Scott M. Phelps, Trustee from
the Fourth Congressional District

The Honorable Ronald W. Gray, President Pro tempore and Trustee
from the Fifth Congressional District

The Honorable W. Stancil Starnes, Trustee from
the Sixth Congressional District

The Honorable Karen P. Brooks, Trustee from
the Seventh Congressional District
The Honorable Barbara Humphrey, Trustee from the Seventh Congressional District

The meeting was also attended by Chancellor Finis E. St. John IV; Senior Vice Chancellor for Academic and Student Affairs Dr. Charles R. Nash; UA President Dr. Stuart R. Bell; UAB President Dr. Ray L. Watts; UAH President Dr. Darren M. Dawson; UAB Senior Vice Provost Dr. Suzanne Austin; UAH Provost Dr. Christine Curtis; UA Provost Dr. Kevin Whitaker; and support staff from the System Office, the three campuses and the UAB Health System. The Honorable Britt Sexton, Trustee from the Fifth Congressional District; The Honorable Vanessa Leonard, Trustee from the Sixth Congressional District; and The Honorable John H. England, Jr., Trustee from the Seventh Congressional District, were unable to attend.

Also in attendance were Student Representatives to the Board Harrison Adams from UA; Hana Habachi from UAB; and Matthew Steiger from UAH. Faculty Representatives to the Board in attendance were Dr. Rona Donahoe from UA; Dr. Kristine Ria Hearld from UAB; and Dr. Laird Burns from UAH.

Senior Vice Chancellor for Communications and Community Relations Kellee Reinhart introduced Ed Enoch with The Tuscaloosa News and Keely Brewer with The Crimson White.

Pro tem Gray welcomed the media and thanked them for their attendance.

Pro Tem Gray then welcomed newly elected Trustee Evelyn VanSant Mauldin of the Fourth Congressional District. He said Trustee Mauldin is from Leighton, Alabama, and serves as General Counsel and Senior Vice President of Bank Independent in Sheffield. She earned her Bachelor of Arts degree from The University of Alabama and her law degree from The University of Alabama School of Law. Actively involved in her community, Trustee
Mauldin is a past Vice-President and Executive Committee Member of The University of Alabama National Alumni Association.

Pro tem Gray welcomed UAH President Dr. Darren Dawson, who was unanimously elected by the Board as President of UAH and began his service this summer.

Pro tem Gray recognized Dr. Watts to introduce the new UAB faculty and student representatives to the Board.

Dr. Watts said Hana Habachi is pursuing a Bachelor of Science degree in Biology with minors in Chemistry and Spanish as well as a Fast-Track Master of Public Health degree with a concentration in Health Behaviors. She is a recipient of the UAB Presidential Scholarship, UAB President’s Honors (every semester), a Bioethics Bowl National Champion, and is in the early Medical School Acceptance Program. Hana is President of the UAB Undergraduate Student Government Association.

Dr. Watts introduced Dr. Kristine Ria Hearld, an Assistant Professor in the Department of Health Services Administration with a distinguished academic background. She received a Bachelor’s degree in Anthropology and her Master’s and Ph.D. in Demography, all from the University of Pennsylvania. She also received a Master’s in Social Anthropology from the University of Cambridge, England. Her area of expertise is Health Services Administration. Dr. Hearld is Chair of the UAB Faculty Senate, of which she has been a member since 2014.

Pro tem Gray thanked Dr. Watts and welcomed the UAB Faculty and Student Representatives to the Board.

Pro tem Gray then recognized Dr. Dawson to introduce the new UAH Faculty Representative, Dr. Laird Burns.
Dr. Dawson said Dr. Burns is the new UAH Faculty Senate President. He is an Associate Professor of Management Science and Supply Chain Management who earned an M.B.A. from the University of Michigan and a Ph.D. in Operation and Supply Chain Management with a minor in Complex Systems from Michigan State University. Dr. Burns has over 30 years of industrial and consulting experience spanning more than 100 organizations and 35 industries across five continents. His research and educational projects have been funded by over $4 million from the U.S. Army and NASA. Pro tem Gray thanked President Dawson and welcomed Dr. Burns.

Pro tem Gray said a revised meeting agenda with one additional item was provided in advance and placed at each seat. He asked if there was any objection to the revised agenda as presented. Hearing none, the agenda was unanimously adopted.

Pro tem Gray said the minutes of the June 7, 2019, meeting were previously distributed for consideration. He asked if there was any objection to approving the minutes as distributed. Hearing none, the minutes were unanimously approved.

Pro tem Gray said the Administrative Report (Exhibit B) was included in the Board Book.

Pro tem Gray recognized Chancellor Finis E. St. John IV for a report from The University of Alabama System:

Under the leadership and vision of this Board, our System is making strides to advance our mission, align our efforts and implement our core principles. I would like to take this opportunity to recognize and thank our System staff and employees, who have embraced our new role and provide judgment and hard work to lead our campuses, serve our students, and make our State a better place for all citizens. It is an honor to work with you. In particular, I would like to welcome two new additions to the System staff who are attending their first Board meeting.

- Chief Steven Anderson is our new Director of System Security. Steven is a native of Uniontown, Alabama and a graduate of
The University of Alabama. He comes to the System Office after a 25-year career with the Tuscaloosa Police Department, including the last 11 years as the Chief of Police.

- Veronica Cross is our new Administrative Coordinator for Finance and Administration. Veronica comes to the System Office after a career in higher education, including the last eight years at Shelton State Community College and The University of Alabama in positions of increasing responsibility.

I would also like to recognize two individuals for whom this is their last Board meeting:

- Matt Calderone: Matt has worked with the System Office since two days after he graduated from The University of Alabama in 2013. As Deputy Board Secretary, he has served this Board well and we will miss his leadership. We wish Matt, Claire, and the three little Calderone children our very best as Matt begins his new career. Thank you, Matt.

- Dr. Yardley Bailey, Assistant Vice Chancellor for Academic and Student Affairs and Director of Institutional Research has announced his retirement at the end of this month. Yardley has served our System for 40 years. He has also retired as a Commander in the United States Coast Guard, where he served for 38 years. His wife Kim is a valued member of our System staff as well. As a friend and a colleague, he has provided splendid service. We wish you, Yardley, Kim, Tiffany and Caitlin Godspeed, our blessings, and thank you for a job well done.

For some time, our Board and our System have taken a new focus to lead a unified system of education in our State. Today, it is an honor to introduce a concrete measure to advance that goal. Our guest today is a legendary figure in the history of The University of Alabama and our System.

Dr. Robert Witt served our System as President of The University of Alabama from 2003-2012 and as Chancellor of our System from 2012-2016. His career of accomplishment is well known to all of us. He has taught classes at the Honor's College since 2016. If anyone deserved to ride off into a well-earned sunset of retirement, it is Dr. Witt. But, any of you who know Dr. Witt would know that was never going to happen. He has answered our call to do more, with an idea that has the potential to make a lasting contribution to the well-being and lives of children in Alabama. He has agreed to make this an initiative of The University of Alabama System. Dr.
Witt’s commitment to service is an example to me and I think to all of us. Dr. Witt, I am proud to give you the floor.

DR. ROBERT E. WITT:

Thank you very much, Chancellor St. John. It is a pleasure to join you in introducing the Reading Allies program, an initiative that will have a profound impact on the state of Alabama.

Like many states, Alabama faces challenges in terms of the reading proficiency of our students. In the 2019 session, the Alabama Legislature passed the Literacy Act, which directly addresses required reading requirements for third graders. By law, third graders who do not test successfully will be held back.

Following passage of the bill, the Public Affairs Research Council of Alabama conducted a survey which reported that, if the test had been administered this year, 52% of our state’s third graders would be held back. If those students were in economically disadvantaged areas, the number would have been 65%.

The best school district in terms of test performance was Mountain Brook. Only 16% of their students would be held back. With their resources, most believe they will be close to a 100% pass rate when the test is administered in three years. Less than 30 minutes from Mountain Brook is the poorest performing school district in the state. It is in Fairfield, just outside of Bessemer. If the test had been administered this year, 87% of their third graders would have been held back.

The Reading Allies Program is The University of Alabama System’s initiative to address that challenge. It will have two delivery components:

- In addition to UA, UAB and UAH, we are reaching out to all four-year universities and community colleges in Alabama to partner with us. We have an excellent delivery model that has been developed by the Tuscaloosa Rotary Club in partnership with the University of Alabama Honors College and piloted successfully at Martin Luther King Elementary in the Tuscaloosa City Schools District. The model includes working with retired reading teachers who develop mini lesson plans for each student who is below proficiency. Trained volunteers work with the students one-on-one twice a week.

- We will be reaching out to corporate partners. For example, Progress Rail in Albertville developed a program two years ago to address reading proficiency. Twenty volunteers from
Progress Rail worked with 45 third-grade students in the Albertville area. At the end of four months, 37% of those 45 students had advanced a full year in reading proficiency. Forty eight percent had advanced almost a full year. That model works.

The McMahon-Pleiad Award has provided initial financing for our efforts. We have already begun to assemble a staff. We have developed templates for elementary schools, civic organizations, and corporate partners that will literally be a blueprint for how to address this challenge. I am confident that when the test is administered, at the end of Spring 2022, The University of Alabama Reading Allies Initiative will have significantly reduced the number of children who will not be able to advance to the fourth grade.

One of The University of Alabama System's core principles is to play a preeminent leadership role in education in the state of Alabama at all levels. I am confident that, working with Chancellor St. John, this initiative will help us achieve that goal and make a difference in the future of our State. Thank you.

Pro tem Gray commended Dr. Witt on his inspiring message and thanked Chancellor St. John for his leadership as we move forward in implementing our core principles. He described Reading Allies as a program the Board is proud to be associated with.

Pro tem Gray recognized Trustee Davis Malone III for a report from the Finance Committee.

Trustee Malone reported that the Committee met yesterday and reviewed 15 agenda items, which were unanimously approved by the Committee. Trustee Malone moved for their approval by the Board, and the following resolutions were unanimously adopted, separately and collectively:

Approving the Proposed FY 2019-2020 Annual Budget Requests

RESOLUTION

WHEREAS, The Board of Trustees of The University of Alabama has reviewed the
proposed operating budget for The University of Alabama System and each of its units: The University of Alabama, The University of Alabama at Birmingham, The University of Alabama Hospital, The University of Alabama in Huntsville, and the University of Alabama System Office, for the fiscal year 2019–2020;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Trustees of The University of Alabama that the proposed operating budgets for FY 2019-2020 for all units of the University of Alabama System, presented to the Finance Committee and distributed to all Board members, and to be maintained on file with the Secretary of the Board of Trustees, are hereby adopted.

Approving the Issuance of General Fee Revenue Bonds for the Refunding of Series 2010-A Bonds for UAH

RESOLUTION

WHEREAS, The Board of Trustees of The University of Alabama (the "Board") has found and determined as follows:

A. The Board’s operating division, The University of Alabama in Huntsville ("UAH"), heretofore issued and delivered its (i) $8,115,000 initial principal amount General Fee Revenue Bonds, Series 2009-A (the “Series 2009-A Bonds”), pursuant to the Indenture hereinafter described in recital H below, and (ii) $27,990,000 initial principal amount Student Housing Revenue Bonds (Taxable Direct-Pay Build America Bonds), Series 2010-A (the “Series 2010-A Bonds”), pursuant to a Trust Indenture dated July 1, 2010 (the “2010-A Indenture”) between the Board and Regions Bank, as trustee (the “2010-A Bonds Trustee”); and

B. Pursuant to the Indenture, those of the Series 2009-A Bonds scheduled to mature on July 1, 2020, and thereafter, may be redeemed and retired on July 1, 2019, and on any date thereafter, at and for a redemption price equal to the principal amount of Series 2009-A Bonds to be redeemed plus accrued interest to the date set for redemption; and

C. Pursuant to the 2010-A Indenture, those of the Series 2010-A Bonds scheduled to mature on June 1, 2021 and thereafter, may be redeemed and retired on June 1, 2020, and on any date thereafter, at and for a redemption price equal to the principal amount of Series 2010-A Bonds to be redeemed plus accrued interest to the date set for redemption; and

D. The Board has determined that due to the currently favorable interest rate environment the Board can achieve net present value savings by redeeming and retiring the Series 2009-A Bonds and the Series 2010-A Bonds, the net proceeds of which such savings to be used to finance the costs of the 2019 Capital Improvements hereinafter described; and
E. The Board owns and operates educational facilities at its campus in Huntsville, Alabama, and in furtherance of its educational mission the Board has determined it is necessary, wise and in the public interest to design, acquire, construct, install, furnish and equip renovations to Roberts Hall, located on the campus of the University, along with other capital improvements on the campus of UAH designated by an Authorized Officer (collectively, the “2019 Capital Improvements”).

F. It is necessary, desirable and in the interest of the Board and UAH that the Board issue as “Additional Bonds” under the Indenture (hereinafter defined) a series of fixed-rate, tax-exempt bonds hereinafter described as the “Series 2019 Bonds” in order to (i) redeem, pay and retire the Series 2009-A Bonds and the Series 2010-A Bonds, (ii) pay the costs of 2019 Capital Improvements, and (iii) and pay the costs of issuing the Series 2019 Bonds.

G. The Board desires for the financing described in this resolution to be undertaken at such time as certain designated officials hereinafter described have determined it to be in the best interest of the Board and UAH, and has determined it necessary, wise and in the best interest of the Board and UAH to authorize and approve the sale and delivery of the Series 2019 Bonds at a future time upon satisfaction of certain conditions, requirements and pricing parameters hereinafter set forth.

H. The Series 2019 Bonds will be issued as "Additional Bonds", or parity obligations, under the terms of the Trust Indenture dated November 1, 1989, as amended and supplemented (the "Indenture"), between the Board and U.S. Bank National Association. The Series 2009-A Bonds were issued under the Indenture and are outstanding as of September 1, 2019 in the aggregate principal amount of $4,830,000. In addition, the following bonds have been issued pursuant to the Indenture and are currently outstanding (collectively, the "Outstanding Parity Bonds"):  

(1) University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-A, outstanding as of September 1 2019, in the aggregate principal amount of $7,570,000;

(2) University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-B, outstanding as of September 1 2019, in the aggregate principal amount of $8,400,000;

(3) University of Alabama in Huntsville General Fee Revenue Bond, Series 2013-AL, outstanding as of September 1 2019, in the aggregate principal amount of $3,160,000; and

(4) University of Alabama in Huntsville General Fee Revenue Bonds, Series 2013-A2, outstanding as of September 1 2019, in the aggregate principal amount of $24,455,000;
(5) University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2014-A, outstanding as of September 1 2019, in the aggregate principal amount of $8,415,000;

(6) University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2015-A, outstanding as of September 1 2019, in the aggregate principal amount of $3,225,000;

(7) University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A1, outstanding as of September 1 2019, in the aggregate principal amount of $4,910,000;

(8) University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A2, outstanding as of September 1 2019, in the aggregate principal amount of $27,115,000;

(9) University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-B1, outstanding as of September 1 2019, in the aggregate principal amount of $4,800,000; and

(10) University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-B2, outstanding as of September 1 2019, in the aggregate principal amount of $22,310,000.

I. The Series 2019 Bonds shall be payable solely out of, and shall be secured by a pledge of, the "General Fees" identified in the Indenture, which includes the general tuition and fees from students enrolled at UAH.

J. The Series 2019 Bonds shall be issued as "Additional Bonds" under the terms of the Indenture and shall be secured on parity with all other bonds issued under the Indenture including the Outstanding Parity Bonds and any other Additional Bonds issued in the future under the terms and conditions of the Indenture.

K. In connection with the issuance of the Series 2019 Bonds, the Board shall enter into or deliver, and the Board does herein authorize, the following documents (collectively, the "Financing Documents"): (i) the Series 2019 Bonds, the form of which is contained in the Supplemental Indenture hereinafter defined, (ii) a Fifteenth Supplemental Indenture dated the date of the 2019 Bonds supplemental to the Indenture, the form of which is attached as Exhibit C hereto (the "Supplemental Indenture"); (iii) a Continuing Disclosure Agreement pursuant to Rule 15c2-12 adopted by the Securities Exchange Commission and dated the date of the Series 2019 Bonds, the form of which is attached as Exhibit D hereto (the "Continuing Disclosure Agreement"); (iv) a Preliminary Official Statement of the Board respecting the Series 2019 Bonds, the form of which is attached as Exhibit E hereto (the "Preliminary Official Statement");
(v) a final Official Statement dated the date of the sale of the Series 2019 Bonds, in the form of the Preliminary Official Statement with such changes as shall be made to reflect the result of the sale of the Series 2019 Bonds (the "Official Statement"); (vi) an Escrow Trust Agreement dated the date of the Series 2019 Bonds between the Board and U.S. Bank National Association, as escrow trustee thereunder, the form of which is attached as Exhibit F hereto (the "2009-A Escrow Trust Agreement"); (vii) an Escrow Trust Agreement dated the date of the Series 2019 Bonds between the Board and the 2010-A Bonds Trustee, the form of which is attached as Exhibit G hereto (the "2010-A Escrow Trust Agreement"); (viii) a Notice of Sale as set for in Appendix E to the Preliminary Official Statement (the "Notice of Sale"); and (ix) such additional documents, agreements, certificates or instruments as any Designated Board Member or Authorized Officer (designated below) shall deem necessary or desirable in connection with the foregoing or to complete the plan of financing authorized by this resolution (the "Plan of Finance"); and

WHEREAS, the following recitals are made for purposes of Section 7.02 of the Indenture to evidence satisfaction of the terms and conditions of the Indenture for the issuance of the Series 2019 Bonds as "Additional Bonds." The Board does hereby find and declare that:

(1) The Board is not in default under the Indenture, and no such default is imminent.

(2) The Series 2019 Bonds shall be issued by competitive sale as described in the Notice of Sale.

All other information referred to in Section 7.02 of the Indenture is contained elsewhere in this resolution.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama, as follows:

1. The Board hereby determines to cause, upon the issuance of the Series 2009 Bonds, (i) the Series 2009-A Bonds to be redeemed, paid and retired and, further, to be no longer outstanding under the terms of the Indenture, and (ii) the Series 2010-A Bonds to be redeemed, paid and retired and, further, to be no longer outstanding under the terms of the 2010-A Indenture. Acting pursuant to the provisions of the Indenture, the Board does hereby elect to redeem and pay, and does hereby call for redemption and payment, on such date designated by an Authorized Officer that is at least thirty days, but not more than forty days, following issuance of the Series 2019 Bonds (the "2009-A Redemption Date"), all of the Series 2009-A Bonds currently outstanding, at and for a redemption price equal to 100% of the principal amount of the Series 2009-A Bonds currently outstanding, plus accrued interest thereon to the 2009-A Redemption Date. Acting pursuant to the provisions of the 2010-A Indenture, the Board does hereby elect to redeem and pay, and does hereby call for redemption and payment, on June 1, 2020 (the "2010-A Redemption Date"), those of the Series 2010-A Bonds scheduled to mature on June 1, 2021, and thereafter (the "Called Series 2010-A Bonds"); at and for a redemption price equal to 100% of the principal amount of each Called Series 2010-A Bond, plus accrued interest thereon to the 2010-A Redemption Date.
2. U.S. Bank National Association, in its capacity as trustee and paying agent for the Series 2009-A Bonds, is hereby authorized and directed to give notice of and effect said redemption of the Series 2009-A Bonds in the manner provided in the Indenture, and to take all such other actions as shall be necessary or desirable to carry-out the redemption and payment of the Series 2009-A Bonds as aforesaid and as further described and set forth in the 2009-A Escrow Trust Agreement. The Board does hereby further authorize and direct that funds deposited into the special fund created in the 2009-A Escrow Trust Agreement for redemption and payment of the Series 2009-A Bonds to be invested in U.S. treasury securities, overnight or other depository accounts, or such other investments as shall be permitted by applicable state law, identified by PFM Financial Advisors, LLC, and approved by an Authorized Officer. Each of U.S. Bank National Association and each Authorized Officer are hereby authorized and directed to take or cause to be taken all actions required by the provisions of the Indenture or otherwise to be taken in order to effect the defeasance, payment and redemption of the Series 2009-A Bonds as aforesaid.

3. Regions Bank, in its capacity as trustee and paying agent for the Series 2010-A Bonds, is hereby authorized and directed to give notice of and effect said redemption of the Called Series 2010-A Bonds in the manner provided in the 2010-A Indenture, and to take all such other actions as shall be necessary or desirable to carry-out the redemption and payment of the Series 2010-A Bonds as aforesaid and as further described and set forth in the 2010-A Escrow Trust Agreement. The Board does hereby further authorize and direct that funds deposited into the special fund created in the 2010-A Escrow Trust Agreement for redemption and payment of the Series 2010-A Bonds to be invested in U.S. treasury securities or such other investments as shall be permitted by applicable state law, identified by PFM Financial Advisors LLC, and approved by an Authorized Officer. Each of Regions Bank and each Authorized Officer are hereby authorized and directed to take or cause to be taken all actions required by the provisions of the 2010-A Indenture or otherwise to be taken in order to effect the defeasance, payment and redemption of the Series 2010-A Bonds as aforesaid.

4. The Board does hereby approve, authorize, ratify and confirm (i) the Series 2019-Bonds, the Supplemental Indenture, the Continuing Disclosure Agreement, the 2009-A Escrow Trust Agreement, and the 2010-A Escrow Trust Agreement, with such changes thereto as shall be approved by any Designated Board Member, (ii) the execution and delivery of the Financing Documents, and (iii) the consummation of all other transactions described in the recitals to this resolution and the Plan of Finance, provided, however, that:

a. The Series 2019 Bonds shall bear interest at fixed rates, payable semiannually on each June 1 and December 1.

b. The aggregate principal amount of the Series 2019 Bonds may not exceed the sum of $37,200,000.

c. Proceeds from the Series 2019 Bonds shall consist of estimated amounts for the following components of the Plan of Finance:
d. Redemption and Payment of Series 2009-A Bonds $4,901,455
Redemption and Payment of Series 2010-A Bonds $26,367,839
2019 Capital Improvements $5,000,000

Costs of issuance (including legal, underwriting discount, financial advisory, rating agency fees, printing, and other costs respecting the Plan of Finance approved by a Designated Board Member or Authorized officer): $550,000

Contingency (includes potential original issue discount of up to 1.0% of principal issued and general contingency) $380,706

Total $37,200,000

e. The total amount for each cost component specified in paragraph c. immediately above may vary so long as the maximum principal amount of the Series 2019 Bonds as set forth herein is not exceeded.

f. The interest rate for any maturity of the Series 2019 Bonds may not exceed 5.5%.

g. The true interest cost of the Series 2019 Bonds (taking into account any original issue discount or original issue premium) may not exceed 5.0%.

h. The Series 2019 Bonds shall have a final maturity not later than June 1, 2042, and shall have an average life of not greater than thirty (30) months beyond the combined average life of the Series 2009-A Bonds and the Series 2010-A Bonds refunded by the Series 2019 Bonds.

i. The present value of all debt service on the Series 2019 Bonds is not greater than 100% percent of the present value of all debt service on the Series 2009-A Bonds and those of the Series 2010-A Bonds to be refunded with proceeds of the Series 2019 Bonds, net of payments anticipated from the federal government at the current federal subsidy for Build America Bonds (as such present values shall be computed by PFM Financial Advisors LLC) determined as if such Series 2010-A Bonds were paid and retired in accordance with the schedule of maturities (considering mandatory redemption as a scheduled maturity), provided at the time of their issuance and that proceeds from the Series 2019 Bonds generate at least $896,000 for 2019 Capital Improvements.

5. The Board does hereby authorize and direct the distribution and circulation of the Preliminary Official Statement, with such changes thereto as shall be approved by a Designated Board Member or Authorized Officer, and the execution and delivery of a final
Official Statement dated the date of the sale of the Series 2019 Bonds and in the form of the final Preliminary Official Statement, with such changes thereto as shall be necessary to reflect the result of the sale of the Series 2019 Bonds as herein authorized and such other changes as shall be deemed necessary or desirable by the Designated Board Member or Authorized Officer approving the same.

6. Each of the following members of the Board is hereby designated as a "Designated Board Member" for purposes of this resolution:

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<th>Name</th>
<th>Office</th>
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<tr>
<td>Ronald W. Gray</td>
<td>President Pro Tempore of the Board</td>
</tr>
<tr>
<td>W. Davis Malone III</td>
<td>Chairman of the Finance Committee of the Board</td>
</tr>
<tr>
<td>Harris V. Morissette</td>
<td>Vice Chairman of the Finance Committee of the Board</td>
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7. Any Designated Board Member is hereby authorized to approve the remaining details of the Plan of Finance, the form of which such approval is set forth on Exhibit H hereto. When the details of the Plan of Finance and the Financing Documents have been approved by a Designated Board Member, he or she shall execute an order or certificate evidencing such approval and shall file a copy of his order or certificate with the Secretary of the Board.

8. Each of the following officers of the Board is hereby designated as an "Authorized Officer" of the Board for purposes of this resolution:

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<th>Name</th>
<th>Office</th>
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<tr>
<td>Dana S. Keith</td>
<td>Vice Chancellor for Finance and Administration of The University of Alabama System</td>
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<tr>
<td>Dr. Darren Dawson</td>
<td>President of UAH</td>
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<tr>
<td>Todd Barre</td>
<td>Vice President for Finance and Administration of UAH</td>
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9. Any Authorized Officer is hereby authorized and directed to execute and deliver the Series 2019 Bonds and the Financing Documents in such form and containing such terms as such Authorized Officer shall approve (subject to the limitations described in this resolution and the approving order or certificate of a Designated Board Member), which approval shall be conclusively evidenced by an Authorized Officer's execution of such Financing Documents. The Secretary or any Assistant Secretary of the Board is hereby authorized and directed to affix the official seal of the Board to such instruments and to attest the same.

10. The Series 2019 Bonds shall be issued under and secured by the Indenture as therein provided. The Series 2019 Bonds shall be in the form and shall contain the terms and provisions approved by a Designated Board Member and included in the Supplemental Indenture.
11. The Series 2019 Bonds shall be sold through a competitive process as set forth and described in the Preliminary Official Statement and the Notice of Sale, and shall be issued and delivered to the bidder whose bid produces the lowest true interest cost to the Board for the Series 2019 Bonds; which such bid be identified by an Authorized Officer or a Designated Board Member.

12. Proceeds from the Series 2019 Bonds to be used (i) to redeem and retire the Series 2009-A Bonds shall be deposited into the special fund created for such purpose in the 2009-A Escrow Trust Agreement, (ii) to redeem and retire the Series 2010-A Bonds shall be deposited into the special fund created for such purpose in the 2010-A Escrow Trust Agreement, and (iii) to pay for 2019 Capital Improvements shall be deposited into a special fund or account established under the Supplemental Indenture at the direction of an Authorized Officer in the name of UAH or the Board.

13. Any Authorized Officer, and any person or persons designated and authorized by any Authorized Officer to act in the name and on behalf of the Board, or any one or more of them, are hereby authorized to do and perform or cause to be done and performed in the name and on behalf of the Board, such other acts, to pay or cause to be paid on behalf of the Board such related costs and expenses, and to execute and deliver or cause to be executed and delivered in the name and on behalf of the Board such other notices, requests, demands, directions, consents, approvals, orders, applications, certificates, agreements, further assurances or other instruments or communications, under the seal of the Board, or otherwise, as they or any of them may deem necessary, advisable, or appropriate in order to complete the Plan of Finance and carry into effect the intent of the provisions of this resolution and the Financing Documents. Without limiting the generality of the foregoing, any Authorized Officer may execute and deliver such instruments to the United States Treasury or any other federal government office as shall be necessary to enable the advance refunding of the Series 2010-A Bonds including, without limitation, such instruments as shall be necessary to terminate the federal subsidy payment applicable to Series 2010-A Bonds to be refunded with proceeds of the Series 2019 Bonds.

14. Each act of any Authorized Officer that would have been authorized by the foregoing provisions of this resolution, except that such action was taken prior to the adoption of this resolution, is hereby ratified, confirmed, approved and adopted.


RESOLUTION

WHEREAS, The Board of Trustees of The University of Alabama (the "Board") has found and determined as follows:
A. The Board’s operating division The University of Alabama at Birmingham ("UAB") owns and operates educational facilities at its campus in Birmingham, Alabama.

B. UAB wishes to refund all or a portion of the following bonds issued by the Board on behalf of UAB (collectively, the “Series 2010 Bonds”): (i) University of Alabama at Birmingham General Revenue Bonds, Series 2010-A (the “Series 2010-A Bonds”), which will be outstanding in the aggregate principal amount of $42,915,000 as of October 1, 2019; (ii) University of Alabama at Birmingham General Revenue Bonds (Federally Taxable - Build America Bonds – Direct Payment to Issuer), Series 2010-B (the “Series 2010-B Bonds”), which will be outstanding in the aggregate principal amount of $43,435,000 as of October 1, 2019; and (iii) University of Alabama at Birmingham General Revenue Bonds, Series 2010-C (the “Series 2010-C Bonds”), which will be outstanding in the aggregate principal amount of $9,045,000 as of October 1, 2019. The Board wishes to refund the Series 2010 Bonds through the issuance of general revenue bonds in one or more series by the Board on behalf of UAB (the “Bonds”). In connection with the refunding of the Series 2010 Bonds, the Board acknowledges that the direct-pay subsidy relating to the Series 2010-B Bonds will be terminated when the Bonds are issued.

C. The Bonds will be issued as “Additional Bonds”, or parity obligations, under the terms of the General Revenue Bond Trust Indenture dated as of August 15, 1989, as amended and supplemented (the “Indenture”), between the Board and U.S. Bank National Association. The following bonds have been issued pursuant to the Indenture and are currently outstanding (collectively, the “Outstanding Parity Bonds”):


2. University of Alabama at Birmingham General Revenue Bonds, Series 2010-A, issued pursuant that certain Eleventh Supplemental (Series 2010-A) General Revenue Indenture dated November 1, 2010;

3. University of Alabama at Birmingham General Revenue Bonds (Federally Taxable – Build America Bonds – Direct Payment to Issuer), Series 2010-B issued pursuant that certain Twelfth Supplemental (Series 2010-B) General Revenue Indenture dated November 1, 2010;

4. University of Alabama at Birmingham General Revenue Bonds, Series 2010-C, issued pursuant that certain Thirteenth Supplemental (Series 2010-C) General Revenue Indenture dated November 1, 2010;


6. University of Alabama at Birmingham General Revenue
Bonds, Series 2013-D1 and 2013-D2, issued pursuant that certain Fifteenth Supplemental (Series 2013-D) General Revenue Indenture dated August 1, 2013;

(7) University of Alabama at Birmingham General Revenue Bonds, Series 2015-A, issued pursuant that certain Sixteenth Supplemental (Series 2015-A) General Revenue Trust Indenture dated March 1, 2015;

(8) University of Alabama at Birmingham General Revenue Bonds, Series 2016-A and Series 2016-B, issued pursuant that certain Seventeenth Supplemental (Series 2016) General Revenue Trust Indenture dated November 1, 2016; and


D. The Bonds shall be payable solely out of, and shall be secured by a pledge of, the “Pledged Revenues” identified in the Indenture, which includes the “General Fees” from students enrolled at UAB.

E. The Bonds shall be issued as “Additional Bonds” under the terms of the Indenture and shall be secured on a parity with all other bonds issued under the Indenture, including the Outstanding Parity Bonds and any other Additional Bonds issued in the future under the terms and conditions of the Indenture.

F. The Bonds may be issued as tax-exempt bonds, taxable bonds, or any combination thereof, as permitted under applicable law relating to the issuance of tax-exempt bonds.

G. In connection with the issuance of the Bonds the Board may enter into or deliver the following documents (collectively, the “Financing Documents”): (i) the Bonds, (ii) one or more supplements to the Indenture (collectively, the “Supplemental Indenture”), (iii) one or more escrow trust agreements, (iv) a continuing disclosure agreement pursuant to Rule 15c2-12 adopted by the Securities and Exchange Commission, (v) a preliminary official statement and an official statement to be delivered to prospective purchasers of the Bonds (collectively, the “Official Statement”), (vi) a notice of sale and request for bids (collectively, the “Bid Documents”), and (vii) such additional documents as any Designated Board Member or Authorized Officer (designated below) shall deem necessary or desirable to complete the plan of financing authorized by this resolution (the “Plan of Finance”).

WHEREAS, the following recitals are made for purposes of Section 8.2(b) of the Indenture to evidence satisfaction of the terms and conditions of the Indenture for the issuance of the Bonds as “Additional Bonds”. The Board does hereby find and declare that:

(1) The Board is not in default under the Indenture and no such default is imminent.

(2) The Bonds shall be designated as “University of Alabama at Birmingham General Revenue Bonds, Series 2019” and may contain a subseries
designation such as “2019-C” and “2019-D” if necessary or desirable to complete the Plan of Finance.

(3) The Bonds shall be issued by sale, rather than exchange.

All other information referred to in Section 8.2(b) of the Indenture is contained elsewhere in this resolution.

NOW THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama as follows:

1. The Board does hereby approve, authorize, ratify and confirm (i) the issuance of the Bonds, (ii) the refunding of all or a portion of the Series 2010 Bonds, (iii) the execution and delivery of the Financing Documents, and (iv) the consummation of all other transactions described in the recitals to this resolution and the Plan of Finance; provided, however, that:

a. The Bonds shall be fixed rate bonds, issued in one or more series.

b. The principal amount of the Bonds may not exceed the sum of $100,180,000. The maximum principal amount includes estimated amounts for the following components of the plan of financing:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated refunding of Series 2010 Bonds funded with proceeds of the Series 2019 Bonds</td>
<td>$98,840,000</td>
</tr>
<tr>
<td>Costs of issuance</td>
<td>340,000</td>
</tr>
<tr>
<td>Contingency (includes potential original issue discount of up to 1% of principal issued, accrued interest and general contingency)</td>
<td>1,000,000</td>
</tr>
</tbody>
</table>

Total $100,180,000

The amount for each component of the plan of financing may vary as long as the maximum principal amount is not exceeded.

c. The interest rate for any maturity of the Bonds may not exceed 5.00%.

d. The combined true interest cost on the Bonds (taking into account any original issue discount or original issue premium) may not exceed 3.80%.

e. The final maturity of the Bonds may not be later than October 1, 2040.

2. Each of the following members of the Board is hereby designated as a “Designated Board Member” for purposes of this resolution:
Name | Office
--- | ---
Ronald W. Gray | President Pro Tempore of the Board
W. Davis Malone III | Chairman of the Finance Committee of the Board
Harris V. Morrissette | Vice Chairman of the Finance Committee of the Board

3. Any Designated Board Member is hereby authorized to approve the remaining details of the Plan of Finance. When the details of the Plan of Finance and the Financing Documents have been approved by a Designated Board Member, he shall execute an order or certificate evidencing such approval and shall file a copy of his order or certificate with the Secretary of the Board.

4. Each of the following officers of the Board is hereby designated as an “Authorized Officer” of the Board for purposes of this resolution and the Supplemental Indenture:

| Name | Office |
--- | --- |
Dana S. Keith, Ph.D | Vice Chancellor for Finance and Administration of The University of Alabama System |
Ray L. Watts, M.D. | President of UAB |
G. Allen Bolton, Jr. | Senior Vice President for Finance and Administration of UAB |

5. Any Authorized Officer is hereby authorized and directed to execute and deliver the Bonds and the Financing Documents in such form and containing such terms as such Authorized Officer shall approve (subject to the limitations described in this resolution and the approving order or certificate of a Designated Board Representative), which approval shall be conclusively evidenced by an Authorized Officer’s execution of such Financing Documents. The Secretary or any Assistant Secretary of the Board is hereby authorized and directed to affix the official seal of the Board to such instruments and to attest the same.

6. The Bonds shall be issued under and secured by the Indenture as therein provided. The Bonds shall be in the form and shall contain the terms and provisions approved by a Designated Board Member and included in the Supplemental Indenture providing for the issuance of such Bonds.

7. The Bonds shall be sold through a competitive process that includes a competitive sale, or a request for bids by banks or other financial institutions, or both, on such terms and conditions as shall be approved by a Designated Board Member; provided, however, that all bids shall be received and considered on the same day. Notwithstanding the foregoing, if the Senior Vice President for Finance and Administration of UAB, acting in consultation with the financial advisor to UAB, the financial advisor to the University of Alabama System and the Vice Chancellor for Finance and Administration for the University of Alabama System, shall determine that market conditions are such that it would be more advantageous to sell all or a portion of the Bonds by negotiated sale rather than by the
competitive process described above, then UAB may return to the Board to request approval to conduct the sale of such Bonds by means of a negotiated sale.

8. If the Bonds are successfully sold and delivered, the Board requests, authorizes and directs the Trustee to authenticate and deliver the Bonds to the purchaser or purchasers thereof.

9. Any Authorized Officer, and any person or persons designated and authorized by any Authorized Officer to act in the name and on behalf of the Board, or any one or more of them, are hereby authorized to do and perform or cause to be done and performed in the name and on behalf of the Board, such other acts, to pay or cause to be paid on behalf of the Board such related costs and expenses, and to execute and deliver or cause to be executed and delivered in the name and on behalf of the Board such other notices, requests, demands, directions, consents, approvals, orders, applications, certificates, agreements, further assurances or other instruments or communications, under the seal of the Board, or otherwise, as they or any of them may deem necessary, advisable, or appropriate in order to complete the Plan of Finance and carry into effect the intent of the provisions of this resolution and the Financing Documents.

10. Each act of any Authorized Officer that would have been authorized by the foregoing provisions of this resolution, except that such action was taken prior to the adoption of this resolution, is hereby ratified, confirmed, approved and adopted.

Approving Resolution to Update Signature Authority for Banking Transactions at UA

RESOLUTION

WHEREAS, The University of Alabama, Tuscaloosa, Alabama maintains with the approved depositaries designated in Exhibit I, those accounts identified therein; and

WHEREAS, Board Rule 406 requires that each University official authorized to effect transactions involving those accounts, including those authorized to sign checks, initiate wire and automatic transfers, or otherwise withdraw funds from these authorized depositaries, must be designated by Resolution of the Board; and

WHEREAS, Board Rule 406 further requires that such authority to effect transactions may not be delegated by the persons so authorized; and

WHEREAS, Board Rule 406 further requires that for each division of the University all individuals with authority to affect such transactions be identified in a single Resolution, which shall be revised in its entirety when any change in persons so authorized is made so that the most current resolution listing those persons so authorized can be readily verified by the Secretary to the Board.
NOW THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that the individuals identified on Exhibit I are authorized to affect the transactions specified therein on behalf of The University of Alabama, Tuscaloosa, Alabama until this authorization is removed by official action of the Board. This Resolution supersedes any prior Resolutions granting such authority to act on behalf of The University of Alabama, Tuscaloosa, Alabama to any individual or individuals.

Approving Resolution to Update Signature Authority at UA

RESOLUTION

BE IT RESOLVED by The Board of Trustees of The University of Alabama that Dr. Stuart R. Bell, as President; Mr. Matthew Fajack, as Vice President for Finance and Operations and Treasurer; Dr. Kevin W. Whitaker, as Provost; Mr. Chad Tindol as Chief Administrative Officer; Ms. Cheryl Mowdy, as Assistant Vice President for Finance and Operations; Dr. Adam Tate as Executive Director of Finance, and Ms. Julie Shelton, as Associate Vice President for Finance as officials of The University of Alabama, are each authorized to act for and in the name of The Board of Trustees of The University of Alabama in negotiating and executing any and all contracts, agreements, instruments, reports or other documents as necessary in furtherance of the mission of The University of Alabama and the goals and objectives of The Board of Trustees of The University of Alabama

BE IT FURTHER RESOLVED that Dr. Russell J. Mumper, as Vice President for Research and Economic Development; Dr. John C. Higginbotham as Senior Associate Vice President for Research and Economic Development; and Ms. Cynthia Hope, as Assistant Vice President for Research, are authorized to act for and in the name of the Board of Trustees of The University of Alabama in making application for and negotiating and executing contract or grant agreements with any agency of local, state, national or foreign government, foundation, corporation, or individual with regard to research, instructional, and service contracts and grants, in furnishing necessary reports or other instruments in connection therewith. Dr. Russell J. Mumper is further authorized to designate in writing an appropriate number of staff in the Office of Contract and Grant Accounting who are authorized to bind the University for the limited purpose of submitting official invoices, draws, and other financial information to federal agencies but only to the extent such authority is required by the regulations of the federal Office of Management and Budget.

BE IT FURTHER RESOLVED that Ms. Lisa Joiner, as Manager of the Office for Sponsored Programs, is authorized to act for and in the name of the Board of Trustees of The University of Alabama in making application for contract and grant agreements with any agency of local, state, national, or foreign government, foundation, corporation, or individual with regard to research, instructional, and service contracts and grants, in furnishing necessary reports or other instruments in connection therewith.
BE IT FURTHER RESOLVED that Mr. Kevin Stevens, Executive Director of Procurement Services, is authorized to execute agreements on behalf of the University for the limited purpose of purchasing goods or services below $50,000 and for permissive use agreements for use and occupancy of University facilities and spaces.

BE IT FURTHER RESOLVED that any two of the following five officials, Dr. Stuart R. Bell, Mr. Matthew Fajack, Ms. Cheryl Mowdy, Dr. Adam Tate, and Ms. Julie Shelton, be, and hereby are, authorized for and in the name of the said Board, a corporation, to sell at public or private sale or exchange any or all shares of stock, bonds or private sale, or exchange any or all shares of stock, bonds or securities, in any corporation, association, trust, municipal corporation, or government which may now or hereafter stand in the name of The Board of Trustees of The University of Alabama for The University of Alabama, Tuscaloosa, Alabama, or in its name and in the name of others received in exchange, and in the name of The Board of Trustees of The University of Alabama to sign any transfers, assignments or powers of attorney that may be necessary to make the transfer or exchange, and to deliver the same, together with the stock or securities sold or exchanged, to the transferee, or his agents.

BE IT FURTHER RESOLVED that all previous resolutions granting any of the foregoing powers of authority be, and hereby are, rescinded.

Approving Resolution to Update Signature Authority at UAH

RESOLUTION

BE IT RESOLVED by The Board of Trustees of The University of Alabama that Darren M. Dawson, President; Christine W. Curtis, Provost and Executive Vice President for Academic Affairs; and Brent M. Wren, Associate Provost for Undergraduate Studies and Institutional Effectiveness; and Todd M. Barré, Vice President for Finance and Administration of The University of Alabama in Huntsville, are each hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama in negotiating and executing any and all contracts, agreements, or related or similar documents as necessary in furtherance of the mission of The University of Alabama in Huntsville and the goals and objectives of The Board of Trustees of The University of Alabama.

BE IT FURTHER RESOLVED that Robert G. Lindquist, Interim Vice President for Research and Economic Development and Associate Vice President for Contracts and Grants; Thomas M. Koshut, Associate Vice President for Research; Gloria Greene, Director of Sponsored Programs; and Kenya S. Cole, Senior Associate Director of Sponsored Programs of The University of Alabama in Huntsville, are each hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama in negotiating and executing contracts, grant agreements, cooperative agreements, or related or similar documents with regard to research and service activities as necessary in furtherance of the mission of The University of Alabama in Huntsville and the goals and objectives of The Board of Trustees of The University of Alabama.
BE IT FURTHER RESOLVED that Robert G. Lindquist, Interim Vice President for Research and Economic Development and Associate Vice President for Contracts and Grants and Valarie King, Director of Contracts & Grants Accounting of The University of Alabama in Huntsville are each hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama to request payment and sign financial reports or related documents with regard to research and service activities as necessary in furtherance of the mission of The University of Alabama in Huntsville and the goals and objectives of The Board of Trustees of The University of Alabama.

BE IT FURTHER RESOLVED that Robert G. Lindquist, Interim Vice President for Research and Economic Development and Associate Vice President for Contracts and Grants of The University of Alabama in Huntsville, is authorized to designate in writing an appropriate number of staff in the Office of Contracts and Grant Accounting who are authorized to bind the University for the limited purpose of submitting official invoices, draws, and other financial information to federal agencies but only to the extent such authority is required by the regulations of the federal Office of Management and Budget.

BE IT FURTHER RESOLVED that the individuals identified below at The University of Alabama in Huntsville are each hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama in negotiating and executing the documents specified and described below as necessary in furtherance of the mission of The University of Alabama in Huntsville and the goals and objectives of The Board of Trustees of The University of Alabama: Mallie S. Hale, Interim Vice President for University Advancement – contracts and agreements relating to advancement and development activities; Laterrica Shelton, Interim Vice President for Diversity, Equity and Inclusion - contracts and agreements relating to the Office of Diversity, Equity and Inclusion; Robert C. Leonard, Associate Vice President for Finance and Business Services - all University purchase orders and contracts and agreements with regard to software maintenance services, equipment maintenance services, and University building pest control services; Kristi L. Motter, Vice President for Student Affairs, John Maxon, Associate Vice President for Student Affairs, and Juanita Owen, Associate Director, Residence Life - lease contracts for on-campus housing residents and off-campus University-owned residences, grants-in-aid for student housing worker grant recipients, auxiliary services and student services contracts; Cade Smith, Interim Director of Athletics athletic grants-in-aid (and renewals thereof), national letters of intent (and releases therefrom) with individual athletes, game official contracts, game contracts, and advertising agreements under $5,000.

BE IT FURTHER RESOLVED that Todd M. Barré, Vice President for Finance and Administration of The University of Alabama in Huntsville, is hereby authorized for and on behalf of this corporation and in its name to sign checks or other orders for the payment of money from funds standing to the credit of The University of Alabama in Huntsville. All of said checks and orders for payment of money must be countersigned by Robert C. Leonard, Associate Vice President for Finance and Business Services.

BE IT FURTHER RESOLVED that any two of the following three officials acting together: Darren M. Dawson, President; Todd M. Barré, Vice President for Finance and Administration; and Robert C. Leonard, Associate Vice President for Finance and Business
Services of The University of Alabama in Huntsville, are authorized for and in the name of
The Board of Trustees of The University of Alabama to sell at public or private sale or
exchange any or all shares of stock, bonds, or securities in any corporation, association,
trust, municipal corporation, or government that may now or hereafter stand in the name
of The Board of Trustees of The University of Alabama for The University of Alabama in
Huntsville, or in its name and in the name of others, and to receive and receipt for the
purchase of property received in exchange and in the name of The Board of Trustees of The
University of Alabama, to sign any transfers, assignments, or powers of attorney that may
be necessary to make the transfer or exchange and to deliver the same, together with the
stock or securities sold or exchanged, to the transferee or his agent.

BE IT FURTHER RESOLVED that all previous resolutions granting any of
the foregoing powers of authority be, and hereby are, rescinded.

Approving Proposed Amendment to Food Services Agreement between
Sodexo Operations, LLC and UAB

RESOLUTION

WHEREAS, The Board of Trustees of The University of Alabama, for its division,
The University of Alabama at Birmingham (the "UAB" or "University") and Sodexo
Operations, LLC ("Sodexo" or "Vendor"), entered into a certain Food Service Agreement,
dated June 1, 2016, as previously amended (the "Agreement"), whereby Vendor manages
and operates the University's dining services (the "Dining Services") for students, staff,
faculty, and guests at thirteen (13) food venues on the UAB campus with plans to add
three (3) additional venues within the new 730-bed residence hall currently under
construction on the UAB campus (collectively the "Food Services"); and

WHEREAS, the University and Sodexo desire to amend the Agreement via an
amendment (the "Amendment"): (1) to extend the initial term of the Agreement for an
additional six (6) years through May 30, 2029; (2) to identify specific changes to the meal
plan options to be made available in the delivery of the Dining Services; (3) to provide
scholarship monies each year in the amount of $110,000 to UAB students; and (4) to
provide an additional $2.5 million in capital improvement funds that may be used to
renovate existing University facilities, upgrade future concepts or add new dining
components; and

WHEREAS, the proposed amendment will enable the University to better serve it
students, staff, faculty, and guests with the provision of, among other things, additional
funding for student scholarships and additional capital improvement funds;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The
University of Alabama that the University is authorized to execute the proposed
Amendment to the Food Service Agreement with Sodexo.
BE IT FURTHER RESOLVED by The Board of Trustees of The University of Alabama that G. Allen Bolton, Senior Vice President for Finance and Administration, The University of Alabama at Birmingham, or those officers named in the most recent Board Resolutions granting signature authority for the University of Alabama at Birmingham, are hereby authorized to act for and in the name of the Board to enter into the Amendment to the Food Service Agreement with Sodexo, and to take any and all actions necessary to consummate the transaction.

Approving Ratification of Contract for United Health Care – Student Health Insurance for UA

RESOLUTION

WHEREAS, the University of Alabama's ("University") sponsors a fully insured student health insurance plan for domestic and international undergraduate and graduate-level students who may not otherwise have coverage; and

WHEREAS, the student health insurance market is a niche market with limited issuer options and UnitedHealthCare Student Services ("Contractor") has provided University students such coverage since 2009; and

WHEREAS, the Contractor is one of the largest providers with a nationwide network that provides continuous, uninterrupted service to University students regardless of location in the United States or abroad; and

WHEREAS, the Contract is renewable annually on August 1st and will cover students through July 31, 2020; and

WHEREAS, the Contract amount is estimated at approximately $1,522,350 depending on student enrollment and premiums are updated annually based on previous year’s claim experience and enrollment; and

WHEREAS, the Contract will be funded as follows: undergraduate students enroll voluntarily and pay premiums directly to the Contractor; graduate teaching assistants are provided an insurance subsidy and the premiums are remitted directly from respective departmental operating funds on their behalf; and international students have a mandatory insurance requirement, which is added to their student bill.

WHEREAS, pursuant to Board Rule 406, the University requests that the contract be ratified and confirmed by the Board.
NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that it ratifies and confirms the contract executed between The University of Alabama and UnitedHealthCare Student Resources.

Approving Ratification of Contract for Paciolan LLC for UA

RESOLUTION

WHEREAS, the University of Alabama’s Intercollegiate Athletics Department ("University") has had a successful 25-year working relationship with Paciolan, LLC. ("Contractor"); and

WHEREAS, the Contractor has provided secure payment processing services (software subscription and professional services), assisting the University with its fiscal management of ticketing revenue and contributions; and

WHEREAS, over the years, these services have been expanded to include marketing, customer services, and ticket sales strategy; and

WHEREAS, in addition to continuation of these services, the amendment will provide enhancements that include more robust data management and analytics, secondary ticket market solutions, ticket utilization tools and strategic operational partnerships with other software providers; and

WHEREAS, these enhancements are anticipated to produce growth in revenue and provide valuable insight into customer behavior and buying trends for future business decisions; and

WHEREAS, by maintaining a singular service provider, uniformity of strategies, efforts, product management, and goals are aligned for success; and

WHEREAS the amended contract is effective through June 30, 2027 for a total amount of $1,800,000 and will be funded from Intercollegiate Athletics Operation Funds; and

WHEREAS, pursuant to Board Rule 406, the University requests that the amendment to the contract be ratified and confirmed by the Board.

NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that it ratifies and confirms the amended contract executed between The University of Alabama and Paciolan, LLC.
Approving Ratification of Contract for Red Mountain Entertainment for UAB

RESOLUTION

WHEREAS, The University of Alabama at Birmingham ("UAB"), as part of its Strategic Plan has established a strategic goal to engage with the community in meaningful and mutually beneficial collaborations that contribute to the public good; and

WHEREAS, UAB established a special committee to identify opportunities to celebrate UAB’s 50th anniversary as an autonomous campus; and

WHEREAS, UAB identified Red Mountain Entertainment, LLC (RME), as a highly respected and qualified concert promoter in the region; and

WHEREAS, contingent upon approval by The Board of Trustees of The University of Alabama, UAB has reached a Concert Presentation Services Agreement (collectively, the “Agreement”) with Red Mountain Entertainment, LLC to provide concert promotion and logistical support services in support of UAB’s 50th anniversary celebratory event to be held October 18, 2019, a copy of such agreement is attached hereto;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that the actions set forth above are hereby approved, authorized, ratified and confirmed, and Allen Bolton, Senior Vice President for Financial Affairs and Administration, or any other officer named in the most recent Board Resolution granting signature authority for UAB is hereby authorized and directed to execute and deliver the Agreement on behalf of the Board in substantially the form attached hereto and containing such terms as described in this resolution.

Approving Ratification of Contract for Totalcom for UA

RESOLUTION

WHEREAS, the University of Alabama’s ("University") Strategic Communications Department recognizes television is a premium medium for reaching students, prospective students, influencers, and donators for enrollment, retention and fundraising purposes; and

WHEREAS, the University would like to engage TotalCom Marketing Solutions ("Contractor") to serve as a facilitator for the University for the purpose of scheduling, placing and monitoring of television advertising in the Birmingham, Huntsville, Mobile and Montgomery markets; and

WHEREAS, the Contractor will create a media plan and will negotiate rates with television stations to create the most efficient and effective buy as possible; and
WHEREAS, upon the University's approval, the Contractor will purchase television time as specified in the approved plan, monitor the airing of spots to ensure compliance from stations, and oversee the invoicing from each station; and

WHEREAS, the Contract will be funded from the University's Strategic Communications Departmental Operational Funds in the estimated amount of $426,000; and

WHEREAS, as the Contractor needs to begin work August 7, 2019 in order to ensure development of a media plan, negotiate cost efficient rates, and schedule prime air-time so that advertisements are finalized and ready to be aired during the optimum recruiting period of September 1, 2019 through December 31, 2019; and

WHEREAS, pursuant to Board Rule 406, the University requests that the contract be ratified and confirmed by the Board.

NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that it ratifies and confirms the contract executed between The University of Alabama and TotalCom Marketing Solutions.

Approving Contract for Encompass360, Inc. for UA

RESOLUTION

WHEREAS, the University of Alabama ("University") would like to pursue federal grant funding for three FEMA 361 Related Site Built Safe Rooms to be located at University Services Campus, Campus Facilities Operations, and Bryce Lawn; and

WHEREAS, the University has successfully utilized the services of EnCompass360, Inc. in the past to secure grant funding for the East Campus Storm Shelter; and

WHEREAS, pursuant to Board Rule 406, the University seeks approval to enter into a professional services contract with Encompass 360, Inc. ("Contractor/Contract") for assistance with the Alabama Emergency Management Agency (AEMA) and Federal Emergency Management Agency (FEMA) grant funding processes; and

WHEREAS, these services will include assistance with all phases of the grant funding process to include application development, project submission, review, monitoring, requests for information, and approval processes for potential FEMA funding; and

WHEREAS, the Contract for these services will begin upon execution through the projects' close-out, anticipated to be December 31, 2022; and
WHEREAS, the Contract will be funded from University Reserves in the amount of $350,000.

NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. Stuart R. Bell, President, Matthew M. Fajack, Vice Present for Finance and Operations and Treasurer or those officers named in the most recent Board Resolution granting signature authority for the University be, and each hereby is, authorized to act for and in the name of the Board to proceed with entering into the professional services contract with Encompass360, Inc.

2. The $350,000 amount for this contract is approved.

Approving Contract for Guernsey for UA

RESOLUTION

WHEREAS, the University of Alabama ("University") would like to determine if alternative delivery of its energy, utility and infrastructure support and services could yield the lowest cost of service and generate significant funding that would support the overall mission; and

WHEREAS, pursuant to Board Rule 406, the University is requesting approval to enter into a professional services agreement with Guernsey ("Contractor/Contract") to provide due diligence and analysis to that end; and

WHEREAS, the Contractor will provide energy and utility advisory services with focus on electric distribution and lighting, thermal production, thermal distribution and return, natural gas distribution, and cost of service study; and

WHEREAS, the Contractor will perform these services during an anticipated five-month period, September 6, 2019 through February 28, 2020; and

WHEREAS, the Contract estimated amount is $300,000 and will be funded from Finance and Operations Funds.

NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. Stuart R. Bell, President, Matthew M. Fajack, Vice Present for Finance and Operations and Treasurer or those officers named in the most recent
Board Resolution granting signature authority for the University be, and each hereby is, authorized to act for and in the name of the Board to proceed with entering into the professional services contract with Guernsey to perform energy and utility advisory services.

2. The estimated $300,000 contract amount is approved.

Approving Contract for Blue Cross and Blue Shield of Alabama for UA

RESOLUTION

WHEREAS, in order for The University of Alabama ("University") to be a nationally competitive employer it must offer affordable healthcare benefits; and

WHEREAS, Blue Cross and Blue Shield of Alabama ("Contractor") provides insurance coverage for 90% of the State and there is no other carrier in the state that can match its network and discounts; and

WHEREAS, the three University of Alabama system entities, including The University of Alabama, has an Administrative Services Agreement ("Enrollment Agreement/Contract") with the Contractor that governs employee health insurance (medical and pharmacy) plans; and

WHEREAS, the three-year Enrollment Agreement was executed last year; and

WHEREAS, it is necessary to amend each of the three Plans, (1) Preferred Provider Organization (PPO); (2) High Deductible Health Plan (HDHP), and 3) Bronze Alabama Value Plan; and

WHEREAS, the changes to the Plans include adding benefits, combining and increasing certain deductibles and out of pocket maximum for specified Plans; and

WHEREAS, the proposed amendments are applicable to the 2020 Plan year, January 1, 2020 through December 31, 2020;

WHEREAS, the University's benefits consultant, Willis Towers Watson, reviewed proposed amendments to the Contract and determined that the proposed changes and projected costs were reasonable; and

WHEREAS, the Enrollment Agreement amount for the 2020 Plan Year is $62,000,000 and will be funded from a combination of employer and employee paid insurance premiums.

NOW, THEREFORE BE IT RESOLVED by The Board of Trustees of The University of Alabama that:
1. Stuart R. Bell, President, Matthew M. Fajack, Vice Present for Finance and Operations and Treasurer or those officers named in the most recent Board Resolution granting signature authority for the University be, and each hereby is, authorized to act for and in the name of the Board to proceed with executing the amendments to the Contract with Blue Cross Blue Shield of Alabama.

2. The estimated $62,000,000 contract amount for the 2020 Plan Year is approved.

Approving Ratification of the Data Processing Agreement for Adobe Cloud Services between Adobe, Inc., and UAB

RESOLUTION

WHEREAS, The University of Alabama at Birmingham ("UAB"), as part of its Strategic Plan has established a strategic goal to promote innovative instructional practices and provide multiple educational delivery options; and

WHEREAS, UAB has identified an opportunity to demonstrate fiscal stewardship by collaborating with the University of Alabama ("UA") to leverage an existing agreement to achieve a better pricing and coverage benefitting both institutions; and

WHEREAS, contingent upon approval by The Board of Trustees of The University of Alabama, UAB has reached agreement with Adobe, Inc. ("Adobe") and UA to participate in the Data Processing Agreement for Adobe Cloud Services ("Agreement") between UA and Adobe to provide Adobe Cloud Services, a copy of such agreement is attached hereto;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that the actions set forth above are hereby approved, authorized, ratified and confirmed, and Allen Bolton, Senior Vice President for Finance and Administration, or any other officer named in the most recent Board Resolution granting signature authority for UAB is hereby authorized and directed to execute and deliver the Agreement on behalf of the Board in substantially the form attached hereto and containing such terms as described in this resolution.

Pro tem Gray thanked Trustee Malone and recognized Trustee Harris V. Morrissette for a report from the Investment Committee.

Trustee Morrissette said the Investment Committee of the Board met yesterday and reviewed five agenda items. The Committee unanimously approved these items. These items do not require Board approval.
Pro tem Gray thanked Trustee Morrissette for his report and recognized Trustee James W. Wilson III for a report from the Physical Properties Committee.

Trustee Wilson reported that the Committee met yesterday and considered 25 agenda items, which were approved by the Committee. Trustee Wilson moved for their approval by the Board, with Trustee Starnes recusing himself from voting on item G.1.5 on page 99 of the Board book, and the following resolutions were unanimously adopted, separately and collectively:

Approving the revised project scope and budget; providing authorization to execute a construction contract for the Construction Package of the Bryant-Denny Stadium Renovation and Addition (Stage IV)

RESOLUTION

WHEREAS, on September 21, 2018, in accordance with Board Rule 415, The Board of Trustees of The University of Alabama ("Board") approved a Stage I submittal for the Bryant-Denny Stadium Renovations and Additions project ("Project") located at 920 Paul W. Bryant Drive; and

WHEREAS, the proposed Project is a cornerstone of Phase I of the Crimson Standard facilities master plan and will enhance student and fan experiences by providing new social spaces, improved circulation, additional premium seating opportunities, and upgraded spaces for student athletes and recruits; and

WHEREAS, on September 21, 2018, due to the firm having served as architect of record for previous major renovations and additions to the Stadium, and their familiarity and knowledge of the existing facility and the University’s standards, the Board approved a Waiver of the Consultant Selection process and authorized The University of Alabama ("University") to proceed with design utilizing the architectural services of Davis Architects of Birmingham, Alabama, accepting a negotiated design fee in the lump sum amount of $2,889,720 plus $749,320 for specialty consultants and a not-to-exceed amount of $187,660 for reimbursable expenses; and

WHEREAS, on June 7, 2019, the Board approved architectural renderings for the Project; and

WHEREAS, on June 7, 2019, the Board approved a Revised Scope to install larger improved corner scoreboards, place the loge box seating at the southwest Level 6, add a student concourse at the southeast ground level entrance including concessions, restroom facilities, social spaces and televisions; at the west side of the stadium include two new
stair towers; to the southwest, install a new larger elevator, and construct a new enclosed elevator lobby on the ground level and refurbish the existing elevators to the Founders Club; and eliminate work associated with the Student Terrace in the South End Zone Upper Bowl; and

WHEREAS, on June 7, 2019, the Board approved the separation of the Elevator Package and Scoreboard Package for early material procurement of long lead time elevator equipment and scoreboards in order to meet the Project schedule; and

WHEREAS, on June 7, 2019, the Board approved a Budget Reallocation to reflect the Construction-Elevator Package and Construction-Scoreboard Package; and

WHEREAS, on June 7, 2019, the Board approved a Revised Budget to reflect the cost of the Revised Scope; and

WHEREAS, in order to coordinate with scheduled athletic events, this Project needs to be completed by August 2020; and

WHEREAS, on June 7, 2019, the Board approved awarding of construction contracts for this Project to the lowest responsive and responsible bidder after review and approval by the President Pro tempore and Chairman of the Physical Properties Committee, so long as the bids for the construction contracts for the Project did not cause the total Project budget to increase; and

WHEREAS, on July 2, 2019, in accordance with Title 39, State Bid Law, Alabama Code, competitive bids were received for the Construction–Elevator Package of the Project and Premier Elevator Company, Inc. of Stockbridge, Georgia was declared the lowest responsive and responsible bidder with a Base Bid in the amount of $2,112,113 which was within the total Board approved Project budget; and

WHEREAS, as required by, and in accordance with, the Resolution passed on June 7, 2019 by the Board, the University requested and received approval from the President pro tempore, Chair of the Physical Properties Committee and Assistant Vice Chancellor for Construction Management to award the subject contract; and

WHEREAS, the University received a proposal in the amount of $5,988,898 from Daktronics of South Dakota for the Scoreboard Package of the Project; and

WHEREAS, as required by, and in accordance with, the Resolution passed on June 7, 2019 by the Board, the University requested and received approval from the President pro tempore, Chair of the Physical Properties Committee and Assistant Vice Chancellor for Construction Management to award the subject contract; and

WHEREAS, on August 14, 2019, in accordance with Title 39, State Bid Law of Alabama Code, competitive bids were received for the Construction package for this Project and Caddell Construction Company, LLC, of Montgomery, Alabama, was declared the lowest responsive and responsible bidder with an Adjusted Base Bid in the amount of
$88,400,000, less post bid negotiations in the amount of $4,756,297, plus Alternates 1 and 2 totaling $1,004,500, for a total contract amount of $84,648,203; and

WHEREAS, the University is requesting approval for a Revised Budget from $92,470,000 to $106,000,000 to reflect the final contract costs for the Elevator Package and the Scoreboard Package and the increased cost of the work for the Construction package; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the total Project cost of $106,000,000, will be funded from 2019 General Revenue Bonds in the amount of $48,458,213, Crimson Standard cash in the amount of $35,000,000, and an internal University loan in the amount of $22,541,787 that will be repaid by the Department of Athletics, and this Project will address approximately $10,318,000 in campus deferred maintenance liabilities; and

WHEREAS, the Revised Budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$ 84,648,203</td>
</tr>
<tr>
<td>Construction – Elevator Package</td>
<td>$ 2,112,113</td>
</tr>
<tr>
<td>Construction – Scoreboard Package</td>
<td>$ 5,988,898</td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment</td>
<td>$ 2,801,790</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$ 952,001</td>
</tr>
<tr>
<td>Contingency* (≈3.04%)</td>
<td>$ 2,822,782</td>
</tr>
<tr>
<td>UA Project Management Fee** (Lump Sum)</td>
<td>$ 2,347,513</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (≈4.13%)</td>
<td>$ 3,826,700</td>
</tr>
<tr>
<td>Other Fees and Services (Testing, Advertising, Printing)</td>
<td>$ 500,000</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$ 106,000,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on ≈3.04% of the cost of Construction, Elevator Package and Scoreboard Package.

**UA Project Management Fee is based on a lump sum in the amount of $2,347,513.

***Architect/Engineer Fee is a lump sum amount of $2,889,720 plus $749,320 for specialty consultants and not-to-exceed $187,660 for reimbursable expenses.

WHEREAS, officials at The University of Alabama have determined that the Board will incur certain costs in connection with the acquisition, construction and installation of the Project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain of the costs incurred in connection with the acquisition, construction and installation of the Project paid prior to the issuance of the Bonds; and
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that The University of Alabama does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, but prior to the issuance of the Bonds in connection with the acquisition, construction and installment of the Project. This portion of this resolution is being adopted pursuant to the requirements of Treasury Regulations Section 1.150-2(e).

NOW BE IT FURTHER RESOLVED that:

1. Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama be, and each hereby is, authorized to act for and in the name of The Board of Trustees of The University of Alabama in executing the aforementioned contract with Caddell Construction Company, LLC, of Montgomery, Alabama, for the Project in accordance with Board Rule 415.

2. The Revised Budget for the Project is hereby approved as stipulated above.

Approving the reallocated project budget; providing authorization to execute a construction contract on Package B – Deep Foundations for the New Tutwiler Residence Hall (Stage IV)

RESOLUTION

WHEREAS, on September 23, 2016, in accordance with Board Rule 415, The Board of Trustees of The University of Alabama ("Board") approved a Stage I submittal for the New Tutwiler Residence Hall project ("Project") and an amendment to The University of Alabama's ("University") Campus Master Plan to include this Project; and

WHEREAS, in accordance with Board Rule 415, on April 6, 2017, the Board authorized the University to proceed with architectural services utilizing TurnerBatson Architects, Birmingham, Alabama (Mackey Mitchell Architects, St. Louis, Missouri); and

WHEREAS, upon completion of negotiations with TurnerBatson Architects, Birmingham, Alabama (Mackey Mitchell Architects, St. Louis, Missouri), the University established a final design fee of 3.5% of the total costs of all construction packages and landscaping, plus $120,000 for program verification and enhanced services, plus $96,400 for reimbursable expenses, less credits in the amount of $10,000 for landscape architecture and $25,000 for interior design; and

WHEREAS, in accordance with Board Rule 415, on April 6, 2017, the Board authorized the University to proceed with commissioning services utilizing Environmental Systems Corporation, Huntsville, Alabama; and
WHEREAS, upon completion of negotiations with Environmental Systems Corporations, Huntsville, Alabama, the University established a final lump sum fee of $123,903 for Commissioning Services; and

WHEREAS, on April 12, 2019, the Board approved renderings for the Stage III submittal; and

WHEREAS, on April 12, 2019, the Board approved a Revised Scope to include Furnishings, Fixtures, and Equipment, install keyless entry points at all bedroom entryways, provide dedicated bathroom facilities within the residential units, and provide a feature central courtyard; and

WHEREAS, on April 12, 2019, in order to deliver the Project at a time to coordinate with the academic schedule so as to complete the Project for Fall 2022 occupancy, the Board approved the separation of the Project into four (4) construction packages: (1) Package A – Early Sitework and Utilities, (2) Package B – Deep Foundations, (3) Package C – Building Construction, and (4) Package D – Julia’s Market Fitout.

WHEREAS, Package A – Early Sitework and Utilities will include necessary site prep, erosion control measures, and utility relocations to prepare the Project site; and

WHEREAS, Package B – Deep Foundations will include the deep foundations for the Project and additional utility work necessary to be coordinated with the foundation system; and

WHEREAS, Package C – Building Construction will include the construction of the residence hall, new underground electrical and telecommunication infrastructure, thermal piping and new access roads and sidewalks; and

WHEREAS, Package D – Julia’s Market Fitout will include the fitout of Julia’s Market within the shell space constructed as part of Package C – Building Construction; and

WHEREAS, on April 12, 2019, the Board approved a Revised Budget to reflect the final negotiated architectural and commissioning fees, the cost of inflation from the originally anticipated bid date, and the cost of the Revised Scope; and

WHEREAS, on May 16, 2019, pursuant to Title 39, State Bid Law of Alabama Code, competitive bids were received for Package A- Early Sitework and Utilities of this Project and GFC Construction, Inc. of Duncanville, Alabama was declared the lowest responsible bidder with a cost for the package of $504,789; and

WHEREAS, the base bid for Package A- Early Site Work and Utilities is below the $1,000,000 threshold amount required for Board approval; and
WHEREAS, on July 30, 2019, pursuant to Title 39, State Bid Law of Alabama Code, competitive bids were received for Package B – Deep Foundations Project and WAR Construction, Inc. of Tuscaloosa, Alabama was declared the lowest responsive and responsible bidder with an adjusted base bid in the amount of $3,301,000; and

WHEREAS, the University is requesting approval to award the construction contract for Package B – Deep Foundations of the Project to WAR Construction, Inc. for a total contract amount of $3,301,000; and

WHEREAS, the University is requesting approval for a budget reallocation to reflect the contract amounts for Package A-Early Sitework and Utilities and Package B-Deep Foundations and the reallocation to Package C – Building Construction of those packages’ available funds; and

WHEREAS, the Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards, and the principles contained therein; and

WHEREAS, the Project will be funded from 2019 General Revenue Bonds in the amount of $110,000,000, Housing and Residential Communities Reserves in the amount of $31,524,170, Food Services Reserves in the amount of $2,936,685 and University Reserves in the amount of $5,582,345 for a Total Project Budget in the amount of $150,043,200; and

WHEREAS, the Revised Budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package A – Early Sitework and Utilities</td>
<td>$504,789</td>
</tr>
<tr>
<td>Package B – Deep Foundations</td>
<td>$3,301,000</td>
</tr>
<tr>
<td>Package C – Building Construction</td>
<td>$117,757,970</td>
</tr>
<tr>
<td>Package D – Julia’s Market Fitout</td>
<td>$1,250,000</td>
</tr>
<tr>
<td>Landscaping</td>
<td>$600,000</td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment</td>
<td>$4,910,562</td>
</tr>
<tr>
<td>Security/Access Control</td>
<td>$2,700,000</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$1,300,000</td>
</tr>
<tr>
<td>Contingency* (5%)</td>
<td>$6,170,688</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$3,887,533</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (~3.7%)</td>
<td>$4,500,882</td>
</tr>
<tr>
<td>Commissioning Fee**** (Lump Sum)</td>
<td>$123,903</td>
</tr>
<tr>
<td>Other Fees and Services (testing, advertising, printing, transportation)</td>
<td>$3,035,873</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$150,043,200</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 5% of the total costs of all construction packages and landscaping.
**UA Project Management Fee is based on 3% of the total costs of all construction packages, landscaping and contingency.
***Architect/Engineer Fee is based on 3.5% of the total costs of all construction packages and landscaping, plus $120,000 for program verification and enhanced services and $96,400 for reimbursable expenses, less credits in the amounts of $10,000 for landscape architecture and $25,000 for interior design.

****Commissioning Fee is based on a lump sum amount of $123,903.

WHEREAS, officials at The University of Alabama have determined that the Board will incur certain costs in connection with the acquisition, construction and installation of the Project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain of the costs incurred in connection with the acquisition, construction and installation of the Project paid prior to the issuance of the Bonds; and

NOW BE IT RESOLVED by The Board of Trustees of The University of Alabama that The University of Alabama does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, but prior to the issuance of the Bonds in connection with the acquisition, construction, and installment of the Project. This portion of this resolution is being adopted pursuant to the requirements of Treasury regulations Section 1.150-2(e)

NOW BE IT FURTHER RESOLVED that:

1. Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature Authority for the University of Alabama be, and each hereby is, authorized to act for and in the name of The Board of Trustees of The University of Alabama in executing the aforementioned contract with WAR Construction, Inc. of Tuscaloosa, Alabama, for the project in accordance with Board Rule 415.

2. The Budget Reallocation for the Project is hereby approved as stipulated above.

Approving the reallocated project budget and revised architectural design; providing authorization to execute a construction contract for the John and Ann Rhoads Softball Stadium Renovation and Addition (Revised Stage III & Stage IV)

RESOLUTION

WHEREAS, on February 8, 2019, in accordance with Board Rule 415, The Board of Trustees of The University of Alabama ("Board") approved a Stage I submittal for the John and Ann Rhoads Softball Stadium ("Rhoads Stadium") Renovation and Addition project ("Project") located at 321 Peter Bryce Boulevard Drive; and
WHEREAS, the Project is included in Phase I of the Crimson Standard Facility Master Plan and will allow for the enhancement of Rhoads Stadium in order to remain one of the top facilities in the SEC and to comply with NCAA requirements; and

WHEREAS, in accordance with Board Rule 415, on April 12, 2019, the Board authorized The University of Alabama ("University") to proceed with architectural services utilizing Ward Scott Architecture, Tuscaloosa, Alabama (WSA); and

WHEREAS, upon completion of negotiations with WSA, the University has established a final design fee of 6.8% cost of construction plus a 12.5% renovation factor plus $2,500 for land development permit coordination; and

WHEREAS, on June 7, 2019, the Board approved a Budget Reallocation to reflect the final design fee, the separation of the cost of Owner Furnished Furnishings and Graphics from Construction, and the associated adjustments to soft costs; and

WHEREAS, on June 7, 2019, the Board approved renderings for the Stage III submittal; and

WHEREAS, Intercollegiate Athletics has requested the addition of canopies to cover the ticketing windows and gates at the south and west elevations as appropriate to protect patrons while waiting for access; and

WHEREAS, responsible officials at the University have received renderings for the Revised Stage III submittal and are recommending approval of said design; and

WHEREAS, on August 6, 2019, pursuant to Title 39, State Bid Law of Alabama Code, competitive bids were received for the Project and J. T. Harrison Construction Company, Inc., of Tuscaloosa, Alabama (Harrison Construction) was declared the lowest responsive and responsible bidder with an adjusted base bid in the amount of $1,798,500; and

WHEREAS, the University desires to accept Alternate 1 through and including Alternate 4 totaling $288,571 for a total contract award of $2,087,071; and

WHEREAS, the University is requesting approval to award the construction contract for the Project to Harrison Construction for a total contract amount of $2,087,071; and

WHEREAS, the University is requesting approval for a Budget Reallocation to reflect the final construction contract, additional owner furnished items and associated adjustments to soft cost as reflected in the Revised Budget below; and

WHEREAS, the Project location and program have been reviewed and are consistent with University Design Standards, and the principles contained therein; and
WHEREAS, the Project will be funded from the Crimson Tide Foundation in the amount of $3,000,000, and will address approximately $848,700 in campus deferred maintenance liabilities; and

WHEREAS, the Reallocated Budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$2,087,071</td>
</tr>
<tr>
<td>Landscaping</td>
<td>$25,000</td>
</tr>
<tr>
<td>Owner Furnished Furniture, Fixtures, Graphics and Equipment</td>
<td>$250,000</td>
</tr>
<tr>
<td>Security/Access Control</td>
<td>$50,000</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$50,000</td>
</tr>
<tr>
<td>Contingency* (10%)</td>
<td>$211,207</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$69,698</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (~7.77%)</td>
<td>$164,074</td>
</tr>
<tr>
<td>Expenses (Geotech, Construction Material Testing and Special Inspections)</td>
<td>$55,000</td>
</tr>
<tr>
<td>Other Fees and Services (Testing, Advertising, Printing)</td>
<td>$37,950</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$3,000,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 10% of the cost of construction and landscaping.
**UA Project Management Fee is based on 3% of the cost of construction, landscaping and contingency.
***Architect/Engineer Fee is based on 6.8% of the cost of construction and landscaping plus a 12.5% renovation factor and $2,500 for land development permit coordination.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Budget Reallocation for the Project is approved as stipulated above.

2. The Revised Stage III submittal for the Project is hereby approved.

NOW BE IT FURTHER RESOLVED that Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolutions granting signature authority for the University of Alabama be, and each hereby is, authorized to act for and on behalf of The Board of Trustees of The University of Alabama in executing the aforementioned contract with J. T. Harrison Construction Company, of Tuscaloosa, Alabama, for the Project in accordance with Board Rule 415.

Approving the reallocated project budget and proposed architectural design for the Math and Science Education Building Renovation (Stage III)
RESOLUTION

WHEREAS, in accordance with Board Rule 415, on April 12, 2019, The Board of Trustees of The University of Alabama ("Board") approved the Stage I submittal for the Math and Science Education Building (formerly the Biology Building) Renovation project ("Project") located at 411 Hackberry Lane; and

WHEREAS, the Project will revitalize existing underutilized space near the academic core of campus as well as address the current space challenges that the Department of Physics and Astronomy, Geography, Geology and the New College are experiencing as the programs are currently spread out between Gallalee Hall, Farrah Hall and Smith Hall; and

WHEREAS, the Project will replace space for the Math Technology and Learning Center which will be lost as a result of the demolition of the Tutwiler Annex; and

WHEREAS, the Project will consist of renovation of the 90,095 gross square foot main building that will include asbestos abatement, upgraded mechanical, life safety and security systems and improvements to the 5,540 gsf auditorium; and

WHEREAS, in accordance with Board Rule 415, on June 7, 2019, the Board authorized the University of Alabama ("University") to proceed with architectural services utilizing KPS Group, Inc., Birmingham, Alabama (KPS); and

WHEREAS, upon completion of negotiations with KPS, the University has established a final design fee of 7.2% of the cost of construction for Package A and 5.4% of the cost of construction for Package B plus a 1.25 renovation factor, $28,800 for additional services, less credits in the amount of $15,000 for interior design services rendered by the University and $45,350 for programming; and

WHEREAS, the University is requesting approval of a Budget Reallocation to reflect the final design fee; and

WHEREAS, responsible officials at the University have received renderings for the Stage III submittal and are recommending approval of said design; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from Office of Academic Affairs Reserves in the amount of $3,000,000 and from 2019 General Revenue Bonds in the amount of $29,500,000 and the Project will address approximately $13,500,000 in campus deferred maintenance liability; and

WHEREAS, the revised budget for the Project is as stipulated below:

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BUDGET:
Package A – Early Demolition $ 642,253
Package B – Building Construction $ 23,077,925
Landscaping $ 200,000
Furniture, Fixtures and Equipment $ 2,457,553
Security/Access Control $ 250,000
Telecommunication/Data $ 619,036
Contingency* (10%) $ 2,392,018
UA Project Management Fee** (3%) $ 789,366
Architect/Engineering Fee – Programming $ 112,700
Architect/Engineer Fee*** (~6.63%) $ 1,572,452
Commissioning $ 90,000
Expenses (Geotech, Construction Materials Testing and Special Inspections) $ 100,000
Other Fees and Services (Testing, Advertising, Printing) $ 196,697
TOTAL PROJECT COST $ 32,500,000

*Contingency is based on 10% of the costs of construction and landscaping.
**UA Project Management Fee is based on 3% of the costs of construction, landscaping and contingency.
***Architect/Engineer Fee is based on 7.2% of the cost of construction for Package A and 5.4% of the cost of construction for Package B plus a 1.25 renovation factor, $28,800 for additional services less credits in the amount of $15,000 for interior design services rendered by the University and $45,350 for programming.

WHEREAS, officials at The University of Alabama have determined that the Board will incur certain costs in connection with the acquisition, construction and installation of the Project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain of the costs incurred in connection with the acquisition, construction and installation of the Project paid prior to the issuance of the Bonds; and

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that The University of Alabama does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, but prior to the issuance of the Bonds in connection with the acquisition, construction, and installment of the Project. This portion of this resolution is being adopted pursuant to the requirements of Treasury regulations Section 1.150-2(e)

NOW, BE IT FURTHER RESOLVED that:

1. The Stage III submittal for the Project is hereby approved.

2. The Budget Reallocation is approved as stipulated above.
Approving installation of the Joe Sewell Commemorative Statue at Sewell-Thomas Stadium (Stage III – substantial visual impact)

RESOLUTION

WHEREAS, the University is requesting approval from The Board of Trustees of The University of Alabama ("Board") to place a bronze statue, in the likeness of Joe Sewell, 69 inches in height, 45 inches deep and 30 inches wide be installed on a base pedestal at Sewell-Thomas Stadium ("Project") created by renowned artist Chip Taylor to commemorate Joe Sewell's career and contributions to the University; and

WHEREAS, Joseph Wheeler Sewell ("Joe Sewell") lettered in football at The University of Alabama ("University") in 1917, 1918 and 1919 and led the baseball team to four conference titles before graduating in 1920; and

WHEREAS, Joe Sewell started at shortstop for the Cleveland Indians from 1920 until 1930, and between 1931 and 1933 played 3rd base for the New York Yankees for which he was a player and coach; and

WHEREAS, Joe Sewell played in two world Series in 1920 and 1932, winning both times and holds the single season record for fewest strikeouts over a full season with three set in 1932; and

WHEREAS, Joe Sewell served as Head Coach for the University from 1964 until 1968 with a 106-74 record, won Southeastern Conference Title in 1968 advancing to the College World Series; and

WHEREAS, the baseball stadium was renamed Sewell-Thomas Baseball Stadium ("The Joe") in 1978; and

WHEREAS, the Statue's final location at Sewell-Thomas will be carefully selected in collaboration with the family and Intercollegiate Athletics and the Project will include general landscaping, lighting, and hardscape improvements as appropriate depending on the final location; and

WHEREAS, the Project is being presented as a Stage III Visual Appearance Impact submittal because the installation of the statue will substantially affect the visual appearance of the campus; and

WHEREAS, responsible officials at the University have received the renderings for the Stage III submittal and are recommending approval of said design; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from Gifts in the amount of $100,000; and
WHEREAS, the budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>PRELIMINARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$</td>
</tr>
<tr>
<td>Landscaping</td>
<td>$</td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment (Statue, Base, Accessories)</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>Contingency* (10%)</td>
<td>$</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (%)</td>
<td>$</td>
</tr>
<tr>
<td>Other Fees and Services (Testing, Advertising, Printing)</td>
<td>$</td>
</tr>
</tbody>
</table>

**TOTAL PROJECT COST**

*Contingency not applicable.
**UA Project Management Fee not applicable.
***Architect/Engineer Fee not applicable.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that The University of Alabama that:

1. The Stage III Visual Appearance Impact submittal for the Project is hereby approved.

2. The preliminary budget for the Project as stipulated above is hereby approved.

Approving the revised project scope and budget for the Central Campus Thermal Energy Connections (Revised Stage II)

RESOLUTION

WHEREAS, pursuant to Board Rule 415, on September 23, 2016, The Board of Trustees of The University of Alabama ("Board") approved a Stage I submittal for the Central Campus Thermal Energy Connections project ("Project") and authorized The University of Alabama ("University") to proceed with the connection of additional buildings according to the University's Master Plan for thermal energy distribution; and

WHEREAS, on September 23, 2016, in an effort to deliver the Project by April 2019, and based on the firm's previous programming experience and preliminary design work on the Project, the Board approved the waiver of the Consultant Selection process and authorized the University to proceed with design utilizing the services of Burns and McDonnell of Raleigh, North Carolina (Burns and McDonnell), for Package A and HHB Engineers, P.C. of Prattville, Alabama (HHB Engineers), for Package B; and

WHEREAS, on February 3, 2017, in order to align with shutdowns at seasonally appropriate times in different geographic areas of campus and to address the varying nature of construction, the Board approved the separation of construction into two packages:
Package A – Campus Thermal Energy Expansion and Package B - Steam Replacement and Heating System Upgrades; and

WHEREAS, Package A – Campus Thermal Energy Expansion consisted of the replacement of existing steam service and aged chilled water generation systems with connections to the Central Thermal Energy System at Rodgers Library, Nott Hall, Gallalee Hall, Mary Harmon Bryant Hall, Smith Hall, and Lloyd Hall and the addition of a central plant, which will be located in the Tutwiler deck, to support the new Tutwiler Development; and

WHEREAS, Package B – Steam Replacement and Heating System Upgrade consisted of the replacement of the existing steam heating systems serving Bruno Library, Carmichael Hall, Bidgood Hall, Alston Hall, Bibb Graves Hall and McLure Library with a local heating hot water system; and

WHEREAS, located in the Tutwiler Parking Deck, Package C – South Campus Energy Plant Infrastructure and Package D - Thermal Piping at Judy Bonner Drive will support additional connectivity to the University’s existing thermal energy system providing additional connectivity to support the new Tutwiler development, Bryant-Denny Stadium (BDS) and other projects proposed to be added to the system in the future; and

WHEREAS, upon completion of negotiations, the University established a final fee of 5.8% of the construction cost for Package A and Equipment with Burns and McDonnell and 6.8% of the construction cost of Package B with HHB Engineers, P.C.; and

WHEREAS, upon completion of negotiations, for Package C – South Campus Energy Plant Infrastructure with Burns and McDonnell, the University established a final fee in the lump sum amount of $180,000; and

WHEREAS, upon completion of negotiations for Package D – Thermal Piping at Judy Bonner Drive with Burns and McDonnell, the University has established a final fee in the lump sum amount of $308,900; and

WHEREAS, on February 3, 2017, the Board approved a Revised Scope to provide additional thermal energy capacity for current and planned facilities including a central plant to support the new Tutwiler Development; and

WHEREAS, on February 3, 2017, the Board approved a Revised Budget from $10,000,000 to $20,974,000 to reflect the negotiated architect fees and Revised Scope; and

WHEREAS, on February 3, 2017, in order to efficiently service the campus and the Project to be completed by April 2019, the Board authorized the University to award the contracts for this Project to the lowest responsible bidders so long as the bids for the Project did not cause the total Project budget to exceed $20,974,000; and

WHEREAS, on February 3, 2017, the Board also required the proposed contract awards for this Project to be reviewed and approved by the Chairman of the Physical
Properties Committee and the President pro tempore prior to executing a construction contract; and

WHEREAS, in an effort to continue with the connection of additional buildings according to the University's Master Plan for thermal energy distribution and provide additional capacity at the East Quad Energy plant, the University is requesting approval for a Revised Scope to include three (3) additional Packages: Package E – Bryant Denny Stadium Thermal Connection, Package F – Tutwiler Thermal Piping Distribution, and Package G – East Quad Energy Plant Fitout and Parham/Burke Thermal Connections; and

WHEREAS, Package E – Bryant Denny Stadium Thermal Connection will connect BDS to the existing thermal energy system allowing BDS to remove the chillers throughout, which will yield significant operational and energy savings for the University; and

WHEREAS, Package F – Tutwiler Thermal Piping Distribution will extend the thermal piping from the newly installed connector point at the intersection of Judy Bonner Drive and Colonial Drive to the South Campus Energy Plant located in the Tutwiler Parking Deck to provide thermal energy for the new Tutwiler Hall and to provide interconnection to the future South Campus Energy Plant to the Central System as describe in Package C; and

WHEREAS, Package G – East Quad Energy Plant Fitout and Parham/Burke Thermal Connections will furnish and provide installation of the remaining chillers and cooling towers at the East Quad Energy Plant, extend the thermal piping to Martha Parham and Mary Burke, and connect the thermal energy piping at the existing valves located at the intersection Magnolia Drive and 6th Street providing hot and chilled water to the buildings and allowing decommissioning of the existing equipment; and

WHEREAS, upon completion of negotiations for Package E – Bryant Denny Stadium Thermal Connection with HHB Engineers, the University has established a fee in the lump sum amount of $67,000; and

WHEREAS, upon completion of negotiations for Package F – Tutwiler Thermal Piping Distribution and Package G – East Quad Energy Plant Fitout and Parham/Burke Thermal Connections with Burns and McDonnell, the University has established a final fee based on 6.1% of the total cost of construction for Packages F and G less a credit in the amount of $115,970 for previous work performed; and

WHEREAS, the University is requesting approval for a Revised Budget from $20,974,000 to $32,974,000 to reflect the Revised Scope, final construction contract costs for Packages A and B, the final negotiated architect fees for Packages C through and including G and the revisions to associated soft cost; and

WHEREAS, the Project will be funded from 2017 General Revenue bonds in the amount of $20,974,000, University Reserves in the amount of $8,000,000, and University Construction, Renovation and Equipment Fund Quasi Endowment in the amount of $4,000,000; and
WHEREAS, the Project location and program have been reviewed and are consistent with the Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the revised budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>Package</th>
<th>Revised Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package A – Campus Thermal Energy Expansion</td>
<td>$7,042,197</td>
</tr>
<tr>
<td>Package B – Steam Replacement and Heating System Upgrade</td>
<td>$1,985,432</td>
</tr>
<tr>
<td>Package C – South Campus Energy Plant Infrastructure</td>
<td>$2,492,034</td>
</tr>
<tr>
<td>Package D – Thermal Piping at Judy Bonner Drive</td>
<td>$1,721,300</td>
</tr>
<tr>
<td>Package E – Bryant Denny Stadium Thermal Connection</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Package F – Tutwiler Thermal Piping Distribution</td>
<td>$3,500,000</td>
</tr>
<tr>
<td>Package G – East Quad Energy Plant Fit-Out and Martha</td>
<td>$6,819,840</td>
</tr>
<tr>
<td>Parham/Mary Burke Thermal Connections</td>
<td></td>
</tr>
<tr>
<td>Equipment – OFCI Chillers &amp; Cooling Towers, Piping</td>
<td>$2,118,000</td>
</tr>
<tr>
<td>Landscaping</td>
<td>$385,529</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$185,579</td>
</tr>
<tr>
<td>Contingency* (5%)</td>
<td>$837,233</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$897,047</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (6.3%)</td>
<td>$1,745,261</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>$244,548</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$32,974,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 5% of the total costs of construction for Packages D through and including Package G, Equipment Increase and Landscaping.

**UA Project Management Fee is based on 3% of the total costs of construction for all Packages A through and including Package G, Landscaping, Equipment and Contingency.

***Architect/Engineer Fee is based on the total sum of: the final contract cost for completed Package A in the amount of $491,223, the final contract cost of $104,200 for completed Package B, a lump sum in the amount of $180,000 for Package C, a lump sum in the amount of $308,900 for Package D, plus a lump sum in the amount of $67,000 for Package E, 6.1% of the total cost of construction for Packages F and G and Equipment Increase, less a credit in the amount of $115,970 for previous work performed.

WHEREAS, officials at The University of Alabama have determined that the Board will incur certain costs in connection with the acquisition, construction and installation of the Project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain of the costs incurred in connection with the acquisition, construction and installation of the Project paid prior to the issuance of the Bonds; and

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:
1. The University of Alabama does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution but prior to the issuance of the Bonds in connection with the acquisition, construction and installment of the Project. This portion of this resolution is being adopted pursuant to the requirement of Treasury Regulations Section 1.150-2(e).

2. The Revised Scope and Budget for the Project is approved as stipulated above.

3. The funding portion for this project from "The University of Alabama Construction, Renovation and Equipment Fund" quasi endowment is approved.

4. The negotiated design fees for Packages F and G are approved; and

BE IT ALSO RESOLVED THAT the contracts to be competitively bid on the Project as aforementioned may be awarded by the University pursuant to Alabama bid law, and the hereinafter listed campus officials of the University are therefor authorized to act for and in the name of The Board of Trustees of The University of Alabama in executing the contracts with such low bidders for the Project subject to compliance with all of the following provisions:

1. The University is granted approval to award all contracts for the Project to the lowest responsible bidders pursuant to Alabama bid law so long as the awards of such contracts for the Project do not cause the Project to exceed the total Project budget.

2. All proposed contracts awards for the Project must be reviewed and approved by the Chairman of the Physical Properties Committee and the President pro tempore prior to executing a construction contract.

3. If the awards of the contracts for the Project will cause an increase in the total Project budget, the University shall bring the matter before the Board of Trustees or the Executive Committee of the Board of Trustees for approval of the contracts and the revised budget for the Project.

4. The University will provide an ongoing report about the awards of the construction contracts for the Project to the Office of the Chancellor.

5. Stuart R. Bell, President, Matthew M. Fajack, Vice President for Financial and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama be, and each hereby are, authorized to act for and in the name of the Board of Trustees in executing the aforementioned Construction and Renovation and Demolition and Abatement contracts for the Project upon satisfaction of the conditions set out above.
Approving the revised project scope and budget for the Russell Hall Nutrition and Microbiome Lab and Research Support Fit-out (Revised Stage II)

RESOLUTION

WHEREAS, in accordance with Board Rule 415, on April 6, 2018, The Board of Trustees of The University of Alabama ("Board") approved the Stage I submittal for the Russell Hall Nutrition and Microbiome Lab and Research Support Fitout (formerly Russell Hall Nutrition and Microbiome Lab) project ("Project"); and

WHEREAS, the Project will support the University's research agenda in nutrition and specifically complement translational nutrition research (bench to bedside), i.e. moving bench research into the community to directly benefit human health; and

WHEREAS, the Project's location in Russell Hall adjacent to the existing Nutrition and Metabolism Research Lab will promote synergy and efficiency between the research teams; and

WHEREAS, on April 6, 2018, due to the firm’s previous design experience on the Project, their knowledge of the facility and user, and their ability to deliver the Project by Fall 2018, the Board approved a Waiver of the Consultant Selection process and authorized the University to proceed with design utilizing the architectural services of TurnerBatson Architects, of Birmingham, Alabama and the acceptance of a final negotiated design fee of 7.2% of the cost of construction, plus a 25% renovation factor and $31,130 for reimbursable expenses, less a credit discount of $20,000; and

WHEREAS, on July 30, 2019, pursuant to Title 39, State Bid Law of Alabama Code, competitive bids were received for the Project and Kyser Construction, LLC, of Northport, Alabama (Kyser), was declared the lowest responsive and responsible bidder with an adjusted bid in the amount of $879,000; and

WHEREAS, the University is accepting Alternate 1 in the envelop adjusted amount of $45,000 for a total contract award in the amount of $924,000, which is less than the cost threshold requiring Board approval; and

WHEREAS, the University is requesting approval for a Revised Scope to renovate an additional 6,696 square feet of space on the first floor west of the entry lobby of the building to support the College of Health and Environmental Sciences (CHES) Public Health’s faculty and staff offices, graduate assistants and collaborative areas ("Package B – Research Support Fitout"); and

WHEREAS, the University is requesting approval for a Revised Budget to reflect the Revised Scope and the construction contract award for a total Project budget as reflected in the Revised Budget below; and
WHEREAS, the Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from the College of Human Environmental Sciences Reserves in the amount of $250,000, Research and Economic Development Reserves in the amount of $640,000 and Office of Academic Affairs Reserves in the amount of $2,216,000; and

WHEREAS, the Revised Budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction – Nutrition and Microbiome Lab</td>
<td>$924,000</td>
</tr>
<tr>
<td>Construction – Research Support Fitout</td>
<td>$1,400,000</td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment</td>
<td>$55,000</td>
</tr>
<tr>
<td>Security / Access Control</td>
<td>$50,000</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$60,000</td>
</tr>
<tr>
<td>Contingency (10%)</td>
<td>$232,400</td>
</tr>
<tr>
<td>UA Project Management Fee (3%)</td>
<td>$76,692</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (~9%)</td>
<td>$208,670</td>
</tr>
<tr>
<td>Expenses (Geotech, Construction Materials Testing and Special Inspections)</td>
<td>$60,000</td>
</tr>
<tr>
<td>Other Fees and Services (testing, advertising, printing)</td>
<td>$39,238</td>
</tr>
</tbody>
</table>

**TOTAL PROJECT COST**

$3,106,000

*Contingency is based on 10% of the total cost of construction.
**UA Project Management Fee is based on 3% of the total cost of construction and contingency.
***Architect/Engineer Fee is based on 6.8% of the total cost of construction, plus a 25% renovation factor and $31,130 for reimbursable expenses, less a credit discount of $20,000.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that the Revised Scope and Budget for Project as stipulated above are hereby approved.

Approving the preliminary project scope and budget; providing authorization to execute an Owner/Architect Agreement for the Colonial Drive Enhancements (Stage I & Stage II)

RESOLUTION

WHEREAS, in accordance with Board Rule 415, The University of Alabama ("University") is requesting approval for a Stage I submittal for the Colonial Drive Enhancements project ("Project"); and

50
WHEREAS, the Project will support enhanced safety and security by installing additional lighting, impact resistant bollards, and other security features, and will improve vehicular and pedestrian flow and safety by allowing 2-way transit traffic on Colonial and enhanced bicycle and pedestrian connectivity; and

WHEREAS, the University is requesting approval for a Waiver of the Consultant Selection process and to proceed with engineering services utilizing the firm of McGiffert and Associates, LLC, of Tuscaloosa, Alabama ("McGiffert"); and

WHEREAS, the University proposes to utilize McGiffert due to their extensive knowledge of the area and the connectivity with the New Tutwiler Residence Hall, the Tutwiler Triangle Lot Stormwater Management Project and the Bryant-Denny Stadium Renovations and Addition projects and their familiarity with the University's and City of Tuscaloosa's standards; and

WHEREAS, the University is requesting approval to accept the final negotiated design fee based on 6.7% of the cost of construction plus $6,500 for additional services, less a credit of $29,160 for a 1% discount from the state fee schedule (an effective 15% savings); and

WHEREAS, the Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards, and the principles contained therein; and

WHEREAS, this Project will be funded from the University Plant Reserves in the amount of $3,500,000 and will address approximately $1,500,000 in campus deferred maintenance liabilities; and

WHEREAS, the preliminary budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET</th>
<th>PRELIMINARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$ 2,916,000</td>
</tr>
<tr>
<td>Telecomm/Data</td>
<td>$ 10,000</td>
</tr>
<tr>
<td>Contingency* (10%)</td>
<td>$ 291,600</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$ 96,228</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (~5.92%)</td>
<td>$ 172,712</td>
</tr>
<tr>
<td>Other Project Costs (security, advertising, postage)</td>
<td>$ 13,460</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>3,500,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 10% of the cost of construction.
**UA Project Management fee is based on 3% of the cost of construction and contingency.
***Architect/Engineer fee is based on 6.7% of the cost of construction plus $6,500 for additional services, less a credit of $29,160 for a 1% discount from the state fee schedule.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

51
1. The Stage I submittal package for this Project is hereby approved.

2. The preliminary budget for this Project as stipulated above is hereby approved.

BE IT FURTHER RESOLVED that Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolutions granting signature authority for The University of Alabama be, and each hereby is, authorized to act for and on behalf of the Board of Trustees to execute an engineering agreement for engineering services with McGiffert and Associates, LLC, Tuscaloosa, Alabama, in accordance with Board Rule 415 for this Project.

Approving the preliminary project scope and budget for the Angelo Bruno Business Library Renovation (Stage I)

RESOLUTION

WHEREAS, in accordance with Board Rule 415, The University of Alabama ("University") is requesting approval of a Stage I submittal for the Angelo Bruno Business Library Renovations project ("Project") located at 425 Stadium Drive; and

WHEREAS, the Project is a critical step in the realignment of Library space as necessary to support the teaching, research, and learning environment in the 21st Century; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from Office of Academic Affairs Reserves in the amount of $2,500,000 and Bashinsky Computer Support funds in the amount of $600,000 and will address deferred maintenance in the amount of approximately $930,000; and

WHEREAS, the preliminary budget for the Project is as stipulated below:
<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>PRELIMINARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$1,675,000</td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment</td>
<td>$900,000</td>
</tr>
<tr>
<td>Security/Access Control</td>
<td>$50,000</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$50,000</td>
</tr>
<tr>
<td>Contingency* (10%)</td>
<td>$167,500</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$55,275</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (8.75%)</td>
<td>$146,563</td>
</tr>
<tr>
<td>Expenses (Geotech, Construction Materials Testing and Special Inspections)</td>
<td>$30,000</td>
</tr>
<tr>
<td>Other Fees and Services (Testing, Advertising, Printing)</td>
<td>$25,662</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$3,100,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 10% of the cost of construction.

**UA Project Management Fee is based on 3% of the cost of construction and contingency.

***Architect/Engineer Fee is based on 7% of the cost of construction, plus a 25% renovation factor.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Stage I submittal package for the Project is hereby approved.

2. The preliminary budget for the Project as stipulated above is hereby approved.

Approving the preliminary project scope and budget for the Reese Phifer Radio and Satellite Farm Relocation (Stage I)

RESOLUTION

WHEREAS, in accordance with Board Rule 415, The University of Alabama ("University") is requesting The Board of Trustees of The University of Alabama ("Board") to consider approval of the Stage I submittal for the Reese Phifer Radio and Satellite Farm Relocation project ("Project"); and

WHEREAS, the Project will include the relocation of existing satellite dishes and antennas from the Reese Phifer area to the Satellite Farm at The University of Alabama Police Department (UAPD) Tower Site and the removal and disposal of the Reese Phifer Communications Tower; and

WHEREAS, the Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards and the principles contained therein; and

53
WHEREAS, the Project will be funded from University Plant Reserves in the amount of $1,500,000 and will address approximately $100,000 in campus deferred maintenance liability; and

WHEREAS, the preliminary budget for the Project is as stipulated below:

<table>
<thead>
<tr>
<th>BUDGET:</th>
<th>PRELIMINARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$ 600,000</td>
</tr>
<tr>
<td>Demolition</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>Equipment Relocation</td>
<td>$ 450,000</td>
</tr>
<tr>
<td>Security/Access Control</td>
<td>$ 50,000</td>
</tr>
<tr>
<td>Telecommunication/Data</td>
<td>$ 75,000</td>
</tr>
<tr>
<td>Contingency* (10%)</td>
<td>$ 70,000</td>
</tr>
<tr>
<td>UA Project Management Fee** (3%)</td>
<td>$ 23,100</td>
</tr>
<tr>
<td>Architect/Engineer Fee*** (7.6%)</td>
<td>$ 53,200</td>
</tr>
<tr>
<td>Expenses (Geotech, Construction Materials Testing)</td>
<td>$ 25,000</td>
</tr>
<tr>
<td>Other Fees and Services (testing, advertising, printing)</td>
<td>$ 53,700</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$ 1,500,000</strong></td>
</tr>
</tbody>
</table>

*Contingency is based on 10% of the cost of construction and demolition.
**UA Project Management Fee is based on 3% of the cost of construction, demolition, and contingency.
***Architect/Engineer Fee is based on 7.6% of the cost of construction and demolition.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Stage I submittal package for the Project is hereby approved.

2. The preliminary budget for the Project as stipulated above is hereby approved.

Granting authorizing execution of a Neutral Host License Agreement with New Cingular Wireless PCS, LLC to install a Neutral Host Distributed Antenna System (DAS) at Coleman Coliseum

RESOLUTION

WHEREAS, The University of Alabama ("University") is requesting approval from The Board of Trustees of The University of Alabama ("Board") to enter into agreement with New Cingular Wireless PCS, LLC (AT&T) to install a Neutral Host Distributed Antenna System (DAS) at Coleman Coliseum ("Coleman") ("Project"); and

WHEREAS, this Project will provide value-added customer benefit with reliable connectivity inside Coleman during large events and will further improve cellular coverage and capacity on campus; and

54
WHEREAS, this Project will provide the capability of enabling the DAS to be available for sublicense to other wireless carriers, on reasonable terms and conditions, and in accordance with the terms of the agreement; and

WHEREAS, all costs associated with the installation and operational cost of this system, as well as the cost of power consumption, will be the responsibility of the licensee, AT&T; and

WHEREAS, the proposed Neutral Host License Agreement attached hereto has been studied and approved by appropriate University officials, and its execution is recommended to this Board by the appropriate officials of the University as being in the best interest of the University and the State; and

NOW THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama, be and are hereby, authorized to execute an agreement with New Cingular Wireless PCS, LLC.

Granting authorizing the execution of a Commercial Lease with JP Morgan Chase Bank, N.A.

RESOLUTION

WHEREAS, JP Morgan Chase Bank, N.A. ("Chase Bank"), has requested a commercial lease of certain real property owned by The University of Alabama ("University") described as 1130 University Boulevard, Tuscaloosa, Alabama (commonly known as Town Center), for use as a banking establishment under terms and conditions set forth in the Commercial Lease attached hereto as Exhibit J; and

WHEREAS, the proposed Commercial Lease has been studied and approved by appropriate University officials, and its execution and performance, is recommended to this Board of Trustees of The University of Alabama ("Board") by the appropriate officials of the University as being in the best interest of the University and the State; and

WHEREAS, a commercial lease to Chase Bank will allow a modern, upscale facility that will improve and upgrade the mix of businesses at University Town Center allowing the University to obtain a market rate of return for property by adding to the options available to students, employees and visitors in the area that are convenient to campus; and

WHEREAS, a legal description of the Property is attached hereto as Exhibit K; and

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that the Commercial Lease Agreement with Chase Bank is hereby approved.
BE IT THEREFORE RESOLVED by The Board of Trustees of The University of Alabama that Stuart Bell, President and Matthew Fajack, Vice President for Financial Affairs and Treasurer of The University of Alabama, Tuscaloosa, Alabama, or any other official authorized by the most recent Board resolution regarding signature authority for The University of Alabama, be, and hereby are, authorized to enter into and execute a Commercial Lease in substantially the form attached hereto as Exhibit “J,” for and on behalf of this Board with the Chase Bank for 1190 University Boulevard, Tuscaloosa, Alabama, owned by The University of Alabama for use as a retail establishment.

Granting authorization to execute Recreational Use License Agreements for UA lands

RESOLUTION

WHEREAS, Recreational Use License bid notices for The University of Alabama ("University") lands were published throughout the months of June and July 2019 in newspapers across the State of Alabama, electronically with the Alabama Forestry Owners Association, University websites, and via email soliciting bids for the use of 61 tracts covering 8,632 acres owned by the University; and

WHEREAS, on July 8, 2019 the University received a total of 23 bids on 19 tracts totaling 3,358 acres (Exhibit M); and

WHEREAS, after review of the bids by appropriate University officials, the University desires to award licenses for recreational use of the Tracts to the highest bidders; and

WHEREAS, using the Recreational Use License Agreement, attached hereto as Exhibit L, will give the licensees the right for recreational uses, and no other rights or interests are hereby conveyed or intended; and

BE IT THEREFORE RESOLVED by The Board of Trustees of The University of Alabama that Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature authority for the University be, and are, hereby authorized to act for and on behalf of the Board to execute the Recreational Use Licenses, and they hereby are, further authorized and empowered to do any and all things necessary and desirable to carry out the terms and conditions of said Recreational Use Licenses for and on behalf of the Board.

Granting authorization to execute Timber Contracts on six tracts of land consisting of 529 acres
RESOLUTION

WHEREAS, pursuant to Board Rule 415, on July 12, 2019, under the guidance of the Forest Management Plan for The University of Alabama Forest, notifications for the sale of timber tracts consisting of six tracts covering approximately 529 acres (Timber Sale) were offered by The University of Alabama ("University"); and

WHEREAS, Buchanan Timber and Forestry of Selma, Alabama, was declared the highest responsible bidder on the Deramus-County Line lump sum tract with a bid of $85,100; and

WHEREAS, Deloney and Gandy Timber, Inc. of Troy, Alabama, was declared the highest responsible bidder on the Deramus-60 FH per ton tract; and

WHEREAS, Industree Timber, Inc. of Wetumpka, Alabama, was declared the highest responsible bidder on the Virginia Mines-2 (PAC) 1st Thin tract; and

WHEREAS, Industree Timber, Inc. of Wetumpka, Alabama, was declared the highest responsible bidder on the Alston (PAC) 1st Thin tract; and

WHEREAS, Industree Timber, Inc. of Wetumpka, Alabama, was declared the highest responsible bidder on the Allen Ridge Road (PAC) 1st Thin tract; and

WHEREAS, the timber is situated on approximately 367 acres of land in Autauga, Chilton, Jefferson, Tuscaloosa and Walker Counties, which is more particularly described in the attached Legal Descriptions; and

WHEREAS, the proposed Timber Contracts attached hereto have been studied and approved by appropriate officials of The University of Alabama and their execution and performance are recommended to The Board of Trustees of The University of Alabama ("Board") by the appropriate officials of the University, and;

BE IT THEREFORE RESOLVED by The Board of Trustees of The University of Alabama that Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama, be and hereby are, authorized to act for and in the name of The Board of Trustees of The University of Alabama in executing the contracts with Buchanan Timber and Forestry, LLC, attached hereto as Exhibit N, Deloney and Gandy Timber, Inc., attached hereto as Exhibit O, Industree Timber, Inc., attached hereto as P, Q and R.

Approving the proposed architectural design for the Athletic Support Building for Women’s Fastpitch Softball and Men’s Baseball (Stage III)
RESOLUTION

WHEREAS, UAB has proposed a project to design and construct a new training and support building (Building) for UAB’s intercollegiate women’s fastpitch softball and men’s baseball programs; and

WHEREAS, on November 9, 2018, The Board of Trustees of The University of Alabama approved the Stage II (architect ranking, project scope, and project budget) submittal for the project; and

WHEREAS, the Building will be located on available property east of 11th Avenue and in close proximity to the Mary Bowers Women’s Softball Field and the Jerry D. Young Memorial Field; and

WHEREAS, Building will have approximately 11,841 gross square feet of space on one floor to provide new locker rooms with showers, coaches’ offices and administrative spaces, equipment maintenance and storage spaces, laundry facilities, training and weight room spaces, and group study and assembly spaces; and

WHEREAS, the University has provided a rendering of the project in accordance with Board Rule 415; and

WHEREAS, the Project will be funded by gifts;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Stage III submittal for the project is hereby approved.

2. The University of Alabama at Birmingham is hereby authorized to proceed with the planning and design of the project in accordance with appropriate provisions of Board Rule 415.

Granting authorization to negotiate an Owner/Architect Agreement for the Renovation of the 8th Floor – Boshell Building for Computational Research Space (Stage II)

RESOLUTION

WHEREAS, rapid advances in technology in recent years have facilitated the growth of computational research, which allows extremely complex and data intensive calculations to be completed in a small fraction of the time it has taken in the past; and

WHEREAS, many biomedical research programs (Programs) have become dependent on computational research to advance their various Programs; and
WHEREAS, the UAB School of Medicine has identified the need to provide dedicated office and dry research space to support these Programs with the required computational research capabilities; and

WHEREAS, on February 8, 2019, The Board of Trustees of The University of Alabama approved the Stage I submittal for a project to renovate portions of the 8th floor of the Buris R. Boshell Diabetes Research and Education Building (Boshell), to create new computational research space, located at 1808 7th Avenue South on the UAB Campus; and

WHEREAS, the project will demolish the interior of the project space and will construct approximately 12,500 gross square feet (GSF) of contemporary office, administrative, and dry research space; and

WHEREAS, the renovation will include the new walls, floors, ceiling, and finishes as well as renovating the electrical, mechanical, plumbing, and life safety systems; and

WHEREAS, the project will also upgrade the project space as required to bring the outdated spaces into compliance with contemporary building codes; and

WHEREAS, when complete, the project will provide dedicated computational research space to support numerous Programs working in the fields of informatics; causes, cures, and treatments of numerous diseases; population health; and many other fields; and

WHEREAS, utilizing Board Rule 415 Architectural Selection Criteria, the University appointed a consultant selection committee (CSC) and interviewed firms to act as the architect of record for the project; and

WHEREAS, the CSC interviewed three firms to serve as the architect of record for the project and ranked them in the following order for negotiations: Birchfield Penuel & Associates of Birmingham, Alabama; Ghafari Associates of Birmingham, Alabama; and Fifth Dimension Architecture and Interiors of Birmingham, Alabama; and

WHEREAS, the University must now request approval to negotiate an equitable owner/architect agreement consistent with the size, scope, and complexity of the project as outlined in Board Rule 415; and

WHEREAS, the Vice Chancellor for Finance and Administration and the Chair of the Physical Properties Committee have approved the submission of the architect of record rankings to the Board for review and approval; and

WHEREAS, the Project will be funded by proceeds of the 2019 general revenue bond issue and by UAB plant funds; and

WHEREAS, officials at UAB have determined that the Board will incur certain costs in connection with the acquisition, construction, and installation of the project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the
Bonds to reimburse the Board for certain costs incurred in connection with the acquisition, construction, and installation of the Project paid prior to the issuance of the Bonds; and

WHEREAS, the project budget is established as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$1,350,000</td>
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<tr>
<td>Architect/Engineer</td>
<td>$104,000</td>
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<tr>
<td>Surveys, Testing, &amp; Inspection</td>
<td>$7,500</td>
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<tr>
<td>Moveable Equipment &amp; Furnishings</td>
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<td>Construction Contingency</td>
<td>$135,000</td>
</tr>
<tr>
<td>Other</td>
<td>$203,500</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$2,200,000</strong></td>
</tr>
</tbody>
</table>

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. Allen Bolton, Senior Vice President for Finance and Administration, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama at Birmingham, are hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama in negotiating terms of an owner/architect agreement, in accordance with Board Rule 415, with the below listed firms in the following order and thereafter advising the Vice Chancellor for Finance and Administration of The University of Alabama System and the Chair of the Physical Properties Committee of the negotiated results.

   Architect of Record Design Services Package:
   1) Birchfield Pennel & Associates of Birmingham, Alabama
   2) Ghafari Associates of Birmingham, Alabama
   3) Fifth Dimension Architecture and Interiors of Birmingham, Alabama

2. The Stage II submittal for the Project is hereby approved.

3. The University of Alabama at Birmingham is hereby authorized to proceed with the design of the project in accordance with appropriate provisions of Board Rule 415.

4. The Board does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, but prior to the issuance of the Bonds in connection with the acquisition, construction, and installation of the Project. This portion of this
resolution is being adopted pursuant to the requirements of the Treasury Regulations Section 1.150-2(e).

Approving the revised project budget; providing authorization to negotiate an Owner/Architect Agreement for the Relocation of the Department of Emergency Medicine to the 2nd Floor of the General Services Building (Stage II)

RESOLUTION

WHEREAS, the mission of UAB’s Department of Emergency Medicine (Department) includes providing high quality care to the people of the State of Alabama, educating physicians in the discipline of emergency medicine, and advancing the science of emergency medicine through research; and

WHEREAS, the administrative offices of the Department are currently located in the Old Hillman Building (Hillman) and the Roy R. Kracke Clinical Services Building (Kracke); and

WHEREAS, Hillman was constructed in 1902 and Kracke was built in 1928; and

WHEREAS, as a result of their age and design configuration, Hillman and Kracke are both in need of substantial renovation and are not well suited to support the modern administrative needs of the Department; and

WHEREAS, in addition to the age of Hillman and Kracke, the distant locations of the Department’s administrative units makes managing the Department difficult, inefficient, and has diminished the Department’s ability to fully accomplish its intended mission; and

WHEREAS, to consolidate the Department’s administrative functions into a single location and make better use of available space, UAB has initiated a project to renovate available space on the second floor of the General Services Building to create a modern administrative hub for the Department; and

WHEREAS, the project will selectively demolish the interior of the project space and will construct approximately 14,500 gross square feet of newly renovated, contemporary office and administrative space for the Department; and

WHEREAS, the project scope includes new walls, floors, ceilings, and finishes as well as renovation of the electrical, mechanical, plumbing, and life safety systems as required; and

WHEREAS, the project will also purchase and install modular office furniture systems, loose office furnishings, conference and meeting room furnishings, and modern audiovisual systems; and
WHEREAS, the project space will be upgraded as required to bring the outdated spaces and systems into compliance with contemporary building codes; and

WHEREAS, on February 2, 2017, The Board of Trustees of The University of Alabama approved the Stage I submittal for the project at their regularly scheduled meeting; and

WHEREAS, the Stage I submittal was submitted by UAB Medicine; and

WHEREAS, as the faculty and staff of the Department are employees of the UAB School of Medicine, the project was transferred to the University to complete the planning, design and construction; and

WHEREAS, utilizing Board Rule 415 Architectural Selection Criteria, the University appointed a consultant selection committee (CSC) and interviewed firms to act as the architect of record for the project; and

WHEREAS, the CSC interviewed three firms to serve as the architect of record for the project and ranked the top three firms in the following order for negotiations: Williams Blackstock Architects of Birmingham, Alabama; Ghafari Associates of Birmingham, Alabama; and Birchfield Penuel and Associates of Birmingham, Alabama; and; and

WHEREAS, the University must now request approval to negotiate an equitable owner/architect agreement consistent with the size, scope, and complexity of the Project as outlined in Board Rule 415; and

WHEREAS, the Vice Chancellor for Finance and Administration and the Chair of the Physical Properties Committee have approved the submission of the Architect of Record firm rankings to the Board for review and approval; and

WHEREAS, the Stage I submittal included a construction budget of $1,575,000 and a total project budget of $2,100,000; and

WHEREAS, as planning for the project progressed, construction estimates indicated that the Stage I project budget was not adequate for a renovation that would fully support the projects recently developed space program; and

WHEREAS, the University and UAB Medicine have identified additional plant funds necessary to allow an increase to the construction budget from $1,575,000 up to $2,550,000 and an increase to the total project budget from $2,100,000 up to $4,500,000; and

WHEREAS, the project will be funded by UAB plant funds and UAB Medicine plant funds; and

WHEREAS, the project budget is established as follows:
Construction $ 2,550,000
Architect/Engineer $ 213,000
Surveys, Testing, & Inspection $ 15,000
Moveable Equipment and Furnishings $ 700,000
Construction Contingency $ 255,000
Other $ 767,000

TOTAL PROJECT COST $ 4,500,000

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. Allen Bolton, Senior Vice President for Finance and Administration, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama at Birmingham, are hereby authorized to act for and in the name of The Board of Trustees of the University of Alabama in negotiating terms of an owner/architect Agreement in accordance with Board Rule 415 with the below listed firms in the following order and thereafter advising the Vice Chancellor for Finance and Administration of The University of Alabama System and the Chair of the Physical Properties Committee of the negotiated results.

   1. Williams Blackstock Architects of Birmingham, Alabama
   2. Ghafari Associates of Birmingham, Alabama
   3. Birchfield Penuel and Associates of Birmingham, Alabama

2. The Stage II submittal for the project is hereby approved.

3. The University of Alabama at Birmingham is hereby authorized to proceed with the Planning, Design, and Construction of the project in accordance with Board Rule 415.

Granting authorization to negotiate Owner/Consultant Agreements for the Phase I – Science and Engineering Complex (Stage II)

RESOLUTION

WHEREAS, the Departments of Biology (Biology), Chemistry (Chemistry), and Physics (Physics) are some of the most recognized, productive, and popular programs within UAB’s College of Arts and Sciences (CAS); and

WHEREAS, Biology and Physics are primarily housed in Campbell Hall (Campbell) which was constructed in phases between 1978 and 1991 to provide approximately 204,884 gross square feet (GSF) of instructional laboratories, research laboratories, laboratory support space, classrooms, and faculty office space; and
WHEREAS, the age of Campbell, combined with changes in pedagogy, technology, and research protocols, has resulted in Campbell no longer being well suited to serve as an instructional and research laboratory facility for these important programs; and

WHEREAS, Chemistry is housed primarily in the Chemistry Building, which was constructed in 1972, as the Natural Sciences and Mathematics Building, to provide 66,540 GSF of instructional and laboratory space to support instruction in the natural sciences and mathematics; and

WHEREAS, since the Chemistry Building’s construction, approximately forty-seven years ago, Chemistry has grown substantially, in both enrollments and space needs, and now occupies the entire Chemistry Building; and

WHEREAS, due to the age and original design configuration of the Chemistry Building, it is no longer able to adequately support the classroom and laboratory instructional needs of modern Chemistry students; and

WHEREAS, the School of Engineering (Engineering) is currently located in six different buildings located distantly from each other and spread across the UAB Campus; and

WHEREAS, the physical separation of these facilities makes the operations of Engineering cumbersome, inefficient, and significantly diminishes the ability to collaborate and share resources; and

WHEREAS, to provide adequate support to Biology, Physics, Chemistry, and Engineering, the University has developed a plan to construct a Science and Engineering Complex (Complex) to house these important programs, facilitate invaluable collaboration between disciplines, and allow for the sharing of resources which will allow for more efficient operation of these programs; and

WHEREAS, due to funding limitations, as well as the complexities involved with relocating a large number of programs, the University intends to construct the Complex in multiple phases; and

WHEREAS, UAB has initiated a project to design and construct the first phase of the Complex (Phase I); and

WHEREAS, Phase I will construct a classroom and laboratory building with approximately 115,000 GSF of instructional laboratory space, research laboratory space, laboratory support space, classroom space, and faculty and staff office and support space; and

WHEREAS, Phase I will be the primary hub, and will house the majority of the programs, for Biology and Physics; and
WHEREAS, Phase I will also provide additional instructional laboratories and laboratory support space for Chemistry; and

WHEREAS, the remainder of Chemistry and Engineering will be relocated into the Complex after completion of later phases of the Complex, which will be submitted for approval by The Board of Trustees (Board) at a future meeting; and

WHEREAS, in addition to the new classroom and laboratory building, Phase I will extend UAB’s central steam and chilled water systems to the project site to allow for efficient and economical heating and cooling; and

WHEREAS, Phase I will be located on the site of the existing Education Building, immediately west of 14th Street and south of University Boulevard, and adjacent to the Campus Green; and

WHEREAS, as previously approved by the Board, the School of Education will be relocated into newly renovated space within the Business and Engineering Complex (BEC), which will vacate the Education Building and allow this outdated and inefficient facility to be demolished as part of the Phase I scope of work; and

WHEREAS, on February 8, 2019, The Board of Trustees of The University of Alabama approved the Stage I submittal for the project; and

WHEREAS, utilizing Board Rule 415 Architectural Selection Criteria, the University appointed a consultant selection committee (CSC) and interviewed firms to provide design and other professional services, directly related to the design and construction of the project, with contract values expected to exceed $100,000; and

WHEREAS, the CSC interviewed four firms to serve as the architect of record for the project and ranked the top three firms in the following order for negotiations: Goodwyn, Mills & Cawood of Birmingham, Alabama; Williams Blackstock Architects of Birmingham, Alabama; and Live Design Group of Birmingham, Alabama; and

WHEREAS, the CSC interviewed three firms to provide geotechnical engineering and construction materials testing services for the project and ranked the firms in the following order for negotiations: Building and Earth Sciences of Birmingham, Alabama; BECC of Birmingham, Alabama; and Bhave Geosciences of Birmingham, Alabama; and

WHEREAS, the CSC interviewed three firms to serve as the project commissioning authority for the project and ranked the firms in the following order for negotiations: WorkingBuildings of Atlanta, Georgia; Environmental Systems Corporation of Huntsville, Alabama; and RMF Engineering of Atlanta, Georgia; and

WHEREAS, the CSC interviewed three firms to provide project surveying services for the project and ranked the firms in the following order for negotiations: Walter Schoel Engineering Company of Birmingham, Alabama; Barge Design Solutions of Birmingham, Alabama; and Dynamic Civil Solutions of Birmingham, Alabama; and
WHEREAS, the University must now request approval to negotiate equitable owner/architect and owner/consultant agreements consistent with the size, scope, and complexity of the project as outlined in Board Rule 415; and

WHEREAS, the Vice Chancellor for Finance and Administration and the Chair of the Physical Properties Committee have approved the submission of the architect of record and consultant firm rankings to the Board for review and approval; and

WHEREAS, the project will be funded by proceeds of the 2019 general revenue bond issue, proceeds of a future UAB bond issue and UAB plant funds; and

WHEREAS, officials at UAB have determined that the Board will incur certain costs in connection with the acquisition, construction, and installation of the project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain costs incurred in connection with the acquisition, construction, and installation of the project paid prior to the issuance of the Bonds; and

WHEREAS, the project budget is established as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>Architect/Engineer</td>
<td>$2,300,000</td>
</tr>
<tr>
<td>Surveys, Testing, &amp; Inspection</td>
<td>$350,000</td>
</tr>
<tr>
<td>Moveable Equipment &amp; Furnishings</td>
<td>$4,000,000</td>
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<td>Construction Contingency</td>
<td>$2,500,000</td>
</tr>
<tr>
<td>Other</td>
<td>$5,350,000</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT COST</strong></td>
<td><strong>$64,500,000</strong></td>
</tr>
</tbody>
</table>

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. Allen Bolton, Senior Vice President for Finance and Administration, or those officers named in the most recent Board Resolution granting signature authority for The University of Alabama at Birmingham, are hereby authorized to act for and in the name of The Board of Trustees of the University of Alabama in negotiating terms of owner/architect and owner/consultant agreements, in accordance with Board Rule 415, with the below listed firms in the following order and thereafter advising the Vice Chancellor for Finance and Administration of The University of Alabama System and the Chair of the Physical Properties Committee of the negotiated results.

   **Architect of Record Design Services Package:**
   1) Goodwyn, Mills & Cawood of Birmingham, Alabama
   2) Williams Blackstock Architects of Birmingham, Alabama
3) Live Design Group of Birmingham, Alabama

Geotechnical Engineering and Construction Materials Testing Services Package:
1) Building and Earth Sciences of Birmingham, Alabama
2) BECC of Birmingham, Alabama
3) Bhate Geosciences of Birmingham, Alabama

Project Commissioning Authority (CxA) Services Package:
1) WorkingBuildings of Atlanta, Georgia
2) Environmental Systems Corporation of Huntsville, Alabama
3) RMF Engineering of Atlanta, Georgia

Project Surveying Services Package:
1) Walter Schoel Engineering Company of Birmingham, Alabama
2) Barge Design Solutions of Birmingham, Alabama
3) Dynamic Civil Solutions of Birmingham, Alabama

2. The Stage II submittal for the Project is hereby approved.

3. The University of Alabama at Birmingham is hereby authorized to proceed with the planning and design of the project in accordance with appropriate provisions of Board Rule 415.

4. The Board does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, but prior to the issuance of the Bonds in connection with the acquisition, construction, and installation of the Project. This portion of this resolution is being adopted pursuant to the requirements of the Treasury Regulations Section 1.150-2(e).

Approving the revised project budget; providing authorization to execute an Owner/Architect Agreement for the Histocompatibility and Immunogenetics Laboratory (HLA lab) Expansion at University Hospital (Stage II)

RESOLUTION

WHEREAS, University Hospital, an operating entity managed by UAB Health System, in furtherance of its mission to provide a continuum of health services of the highest quality, operates the Histocompatibility and Immunogenetics Laboratory (HLA) to support the Hospital’s transplantation programs; and

WHEREAS, University Hospital has determined that it is necessary to expand the HLA Laboratory to install Next Generation Sequencing and advanced molecular-based tissue typing capabilities ("Project") to further assure organ donor and recipient compatibility and mitigate post-transplant organ rejection; and
WHEREAS, University Hospital has determined it would be advantageous to utilize the services of Ghafari Associates Architects, in order to utilize the planning and design work already undertaken and bid the Project as expeditiously as possible; and

WHEREAS, the Preliminary Project Budget is established as follows:

| CONSTRUCTION                              | $1,028,000 |
| ARCHITECT/ENGINEER (9.0%)                 | $93,000    |
| SURVEYS, TESTING, INSPECTIONS             | $43,200    |
| MOVABLE EQUIPMENT & FURNISHINGS           | $390,000   |
| CONTINGENCY (10% CONSTRUCTION)            | $102,800   |
| OTHER: Fixed Equipment & Project Fees     | $50,000    |
| TOTAL ESTIMATED PROJECT COSTS             | $1,707,000 |

WHEREAS, University Hospital will fund the Project from the Hospital Plant Fund; and

WHEREAS, the UAB Health System Board of Directors have reviewed and recommend approval of this Project;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that it authorizes the following:

1. The Stage II submittal for this Project is approved.

2. Ray L. Watts MD, President of UAB, or his designee, is authorized to act for and in the name of the Board of Trustees in negotiating an Owner/Architect Agreement with Ghafari Associates Architects, Birmingham, Alabama in accordance with the provisions of UA Board Rule 415.

3. The Preliminary Project Budget of $1,707,000 is approved.

4. University Hospital is authorized to proceed with the final planning and bidding of this Project in accordance with the provisions of Board Rule 415.

Approving the preliminary project scope and budget for the Renovation for Inpatient Nursing Unit and Bridge – UAB Callahan Eye Hospital (Stage I)

RESOLUTION

WHEREAS, University Hospital, an operating entity managed by UAB Health System, in furtherance of its mission to provide a continuum of health services of the highest quality, desires to expand its inpatient clinical care capacity; and
WHEREAS, UAB Callahan Eye Hospital and University Hospital have determined that it is feasible to connect the two facilities via a bridge and renovate the 5th floor of the CEH Professional Office Building into a nineteen (19) bed acute care nursing unit ("Project"); and

WHEREAS, development of the aforementioned nursing unit will meet the strategic objectives of UAB Health System by increasing the inpatient care capacity of CEH and supporting the continued growth of signature service lines at University Hospital; and

WHEREAS, development of the aforementioned bridge connecting CEH and University Hospital will facilitate the sharing and provision of clinical and support services between the facilities; and

WHEREAS, the Preliminary Project Budget is established at $18,600,000;

WHEREAS, the UAB Health System Board of Directors have reviewed and recommend approval of this item;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that it authorizes the following:

1. The Stage I submittal for this Project, as included in the 2019-2020 Annual Capital Development Plan, is hereby approved.

2. The Preliminary Project Budget of $18,600,000 is approved.

3. University Hospital is authorized to proceed with the planning for this Project in accordance with the provisions of Board Rule 415.

Approving the preliminary project scope and budget for the Renovation for Interventional Imaging Lab in the Heart and Vascular Center at University Hospital (Stage I)

RESOLUTION

WHEREAS, University Hospital, an operating entity managed by UAB Health System, in furtherance of its mission to provide a continuum of health services of the highest quality, operates the Heart and Vascular Center (HVC) to provide diagnostic imaging and interventional imaging-guided procedural services for its patients; and

WHEREAS, University Hospital desires to build an additional interventional imaging lab to accommodate the new cardio-vascular patient volume with the recent addition of new faculty as well as the continued increase in demand for interventional radiology services commensurate with the overall growth in patient volume; and
WHEREAS, the Preliminary Project Budget is established at $8,000,000; and

WHEREAS, the UAB Health System Board of Directors have reviewed and recommend approval of this item;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that it authorizes the following:

1. The Stage I submittal for this Project, as included in the 2019-2020 Annual Capital Development Plan, is hereby approved.

2. The Preliminary Project Budget of $8,000,000 is approved.

3. University Hospital is authorized to proceed with the planning for this Project in accordance with the provisions of Board Rule 415.

Approving the preliminary project scope and budget for the Renovation for Intensive Care Nursing Unit at University Hospital (Stage I)

RESOLUTION

WHEREAS, University Hospital, an operating entity managed by UAB Health System, in furtherance of its mission to provide a continuum of health services of the highest quality has determined it is necessary to construct additional intensive care beds to accommodate the continued growth and demand for high acuity inpatient services; and

WHEREAS, University Hospital has developed a plan to vacate the existing unit on West Pavilion 3rd floor (WP 3) and renovate the space into a twenty three (23) bed intensive care unit (“Project”); and

WHEREAS, University Hospital also proposes to address deferred maintenance, aging electrical, mechanical and plumbing systems, and replace fixtures and finishes on WP 3; and

WHEREAS, the Preliminary Project Budget is established at $11,000,000; and

WHEREAS, the UAB Health System Board of Directors have reviewed and recommend approval of this item;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that it authorizes the following:

1. The Stage I submittal for this Project, as included in the 2019-2020 Annual Capital Development Plan, is hereby approved.

2. The Preliminary Project Budget of $11,000,000 is approved.
3. University Hospital is authorized to proceed with the planning for this Project in accordance with the provisions of Board Rule 415.

Approving the Procurement and Installation of Replacement Nursing Communication Systems at University Hospital

RESOLUTION

WHEREAS, University Hospital, an operating entity managed by UAB Health System, in furtherance of its mission to provide a continuum of health services of the highest quality, utilizes nurse call systems in all clinical care settings to provide necessary and essential communication between patients and care providers; and

WHEREAS, University Hospital has determined that several existing installations are past their useful life, have deteriorating audio quality, lack of connectivity to medical devices, and difficulties with sourcing parts to effect repairs; and

WHEREAS, University Hospital has further determined that existing nurse call system installations need to be replaced and modernized to interface with wireless technology, align with evolving clinical care practice, connect with medical devices, support a high acuity and high throughput environment, and provide a safe and superior patient experience; and

WHEREAS, University Hospital, has standardized on Ascom Telligence as the nurse communication platform along with the Vocera devices and Vocera Communication Suite as the wireless communication platform; and

WHEREAS, the Total Project Cost is as follows:

Ascom Telligence Nurse Call Upgrade (Nurse Call Replacement, Unite Platform, Redundancy, Telligence Gateways, Fiber Modems, Servers and Support) $7,624,960
Vocera (1026 devices w/Kits) $1,278,000
Wireless Infrastructure Expansion $1,500,000
Contingency $445,148
Total Project Cost $10,848,108

WHEREAS, this project is funded from the Hospital’s Plant Fund;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that Ray L. Watts, President of UAB, or his designee, is authorized to act for and in the name of the Board in proceeding with the acquisition and installation of the Ascom Telligence Nurse Call System from Convergint Technologies and the Vocera Communications Suite and devices from Vocera Communications for a Total Project Cost not to exceed $10,848,108.
Granting authorization to execute Two (2) Lease Agreements with 3201 4th Avenue Partners, LLC for the relocation of the 1917 Clinic

RESOLUTION

WHEREAS, 3201 4th Avenue Partners, LLC owns the Dewberry Building (the "Property") located at 3201 4th Avenue South, Birmingham, Alabama; and

WHEREAS, the space currently occupied by the 1917 Clinic (the "Clinic") within the Community Care Building on the campus of The University of Alabama at Birmingham's ("UAB") is no longer sustainable for comprehensive care for the Clinic's increasing patient population; and

WHEREAS, UAB has determined there is no viable space on campus to accommodate the Clinic; and

WHEREAS, the Property is in close proximity to UAB's campus; and

WHEREAS, UAB will enter into two (2) separate leases for a total of approximately 50,664 rentable square, comprised of the 1st Floor space of approximately 17,165 square feet, and the 2nd Floor space of approximately 33,499 square feet (collectively the "Leased Spaces"); and

WHEREAS, the fit-up and build-out of both of the Leased Spaces (the "Improvements") will be funded solely by the Owner and constructed to UAB's specifications and requirements; and

WHEREAS, the initial term for both of the Leased Spaces is fifteen (15) years will commence upon completion of the Improvements and the issuance of a certificate of occupancy, and two (2) five (5) year renewal options are provided; and

WHEREAS, UAB has determined that the Property is in good condition and suitable for the relocation of the Clinic; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that UAB is authorized to execute two (2) new Lease Agreements with 3201 4th Avenue Partners, LLC.

BE IT FURTHER RESOLVED by the Board of Trustees of The University of Alabama that G. Allen Bolton, Senior Vice President for Finance and Administration, The University of Alabama at Birmingham, or those officers named in the most recent Board Resolutions granting signature authority for the University of Alabama at Birmingham, are hereby authorized to act for and in the name of the Board to enter into a new Lease Agreements with 3201 4th Avenue Partners, LLC and to take any and all actions necessary to consummate the transaction.
Approving the preliminary project scope and budget; providing authorization to execute an Owner/Architect Agreement for the Repair and Renovation of the Shelby Center Lower Level (Stage I & Stage II)

RESOLUTION

WHEREAS, on or about February 24, 2019, the lower level of the Shelby Center flooded from pressurized subsurface water that flowed upward through the concrete joints and penetrated the slab, resulting in approximately 5.2 million gallons of water flowing through the building during a three-week period; and

WHEREAS, despite immediate and consistent water remediation by pumps and vacuums, damage occurred throughout the lower level; and

WHEREAS, on February 28, 2019, a Declaration of Emergency was issued pursuant to the provisions of Section 39-2-2(e) Code of Alabama (1975); and

WHEREAS, to mitigate further damage, the University took action to remove floor finishes, the lower 4 feet of drywall, all cabinetry, and furniture; and

WHEREAS, after discussions with occupants of the affected space, the Provost, and the Interim Dean of Science, the University now seeks approval of the Board of Trustees to repair and renovate the building’s lower level to meet the current and future needs of the University; and

WHEREAS, Nola|Van Peursem Architects, P.C. has accumulated valuable architectural knowledge of the Project while assisting under the Emergency Declaration and it would be costly and time consuming for another architectural firm to acquire the same; and

WHEREAS, to meet the critical schedule for this Project, UAH desires to use the firm of Nola|Van Peursem Architects, P.C. as the architect of record for the Project as their extensive knowledge of the Project will facilitate the timely and successful completion of the Project; and

WHEREAS, the Vice Chancellor for Finance and Administration and the Chair of the Physical Properties Committee have authorized UAH to request approval from the Physical Properties Committee to negotiate a contract with Nola|Van Peursem Architects, P.C.; and

WHEREAS, the Project will be funded from existing Plant Funds; and

WHEREAS, the preliminary budget for the Project is stipulated as follows:
## Preliminary Project Budget

<table>
<thead>
<tr>
<th>Item</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Building Renovation</td>
<td>$1,300,000</td>
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<tr>
<td>Architect/Engineer</td>
<td>$117,000</td>
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<tr>
<td>ABC Plan Review</td>
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<tr>
<td>Commission Fees</td>
<td>$14,000</td>
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<tr>
<td>UAH Project Management Fees</td>
<td>$39,000</td>
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<tr>
<td>Reimbursable Expenses</td>
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<tr>
<td>Survey, Testing, &amp; Inspection</td>
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<tr>
<td>Other (Network, Phones, AV)</td>
<td>$70,000</td>
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<tr>
<td>Construction Contingency</td>
<td>$130,000</td>
</tr>
</tbody>
</table>

**Total Project Cost** $1,700,000

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Stage I and Stage II Submittals are hereby approved.

2. The Preliminary Budget is established as stipulated above.

3. Darren Dawson, President, or Todd M. Barré, Vice President for Finance and Administration at The University of Alabama in Huntsville, are hereby authorized to act for and in the name of The Board of Trustees of The University of Alabama System in negotiating terms of an Owner/Architect Agreement in accordance with Board Rule 415, with Nola|Van Peursem Architects, P.C and thereafter advising the Vice Chancellor for Finance and Administration and the Chair of the Physical Chair of the Physical Properties Committee of the negotiated results.

4. The University of Alabama in Huntsville is hereby authorized to proceed with the planning of the Project in accordance with the provisions of Board Rule 415.

Trustee Wilson reported that the Committee received a report from the UA System on construction contracts awarded for interior renovation projects.

Pro tem Gray thanked Trustee Wilson for his report and recognized Trustee Barbara Humphrey for a report from the Academic Affairs and Student Affairs Committee.

Trustee Humphrey reported that the Committee met this morning and reviewed 37 agenda items, which were unanimously approved by the Committee. Trustee Humphrey moved for their approval by the Board, and the following resolutions were unanimously adopted, separately and collectively:
GRANTING APPROVAL OF DEGREES AWARDED FROM SUMMER 2018 THROUGH SPRING 2019 AT UA, UAB, AND UAH

Earned degrees awarded to all students who have successfully completed the appropriate academic programs during Summer Term 2018 through Spring Term 2019 at The University of Alabama, The University of Alabama at Birmingham, and The University of Alabama in Huntsville.

Resolution on Page 33

GRANTING APPROVAL OF DEGREES AWARDED FROM SUMMER 2018 THROUGH SPRING 2019 AT UA, UAB, AND UAH

UAS IMPACT

1. UAS institutions had a 4.41% increase in total degrees awarded between the 2017-2018 and 2018-2019 reporting period;
2. UAS institutions had a 4.19% increase in Bachelor's degrees awarded between the 2017-2018 and 2018-2019 reporting period;
3. UAS institutions had a 3.35% increase in Graduate degrees awarded between the 2017-2018 and 2018-2019 reporting period;
4. In the 2017-2018 reporting period, UAS institutions awarded the following percentages of all Bachelor's and higher degrees from the 14 public universities in the State of Alabama:
   a. 41% of Bachelor's/post-bachelor degrees;
   b. 41% of Master's/post-master degrees;
   c. 45% of Doctor's Degrees – professional practice;
   d. 60% of Doctor's Degrees – research/scholarship; and
   e. 41% of all degrees awarded at the Bachelor's level and above.

Resolution on Page 33

Grantee Approval of the Degrees Awarded by the Campuses at UA, UAB, and UAH

RESOLUTION

BE IT RESOLVED by The Board of Trustees of The University of Alabama, in accordance with Board Rule 501-III-A-3, that it approves the earned degrees awarded to
all students who have successfully completed the appropriate academic programs during Summer Term 2018 through Spring Term 2019 at The University of Alabama, The University of Alabama at Birmingham, and The University of Alabama in Huntsville.
(Exhibit V)

Approving Changing the Name of the Comprehensive Center for Healthy Aging to the Integrative Center for Aging Research at UAB

RESOLUTION

WHEREAS, the mission and scope of the Comprehensive Center for Healthy Aging have evolved over time, and the change of name from Comprehensive Center for Healthy Aging to the Integrative Center for Aging Research will emphasize and better define the current and future focus of the Center. The Center strives not to just be comprehensive in nature, but also to become an integrative center; and

WHEREAS, renaming the Comprehensive Center for Healthy Aging as Integrative Center for Aging Research will highlight the fact that the Center has joined forces with Alzheimer's Disease Center and the Nathan Shock Center of Excellence in the Basic Biology of Aging at UAB. This partnership represents a significant expansion of the Center's scope, which has as its primary goal to become an integrated aging center that provides a one-stop solution for UAB researchers; and

WHEREAS, the Integrative Center for Aging Research will act as a hub for communication and exchange with the local communities; and

WHEREAS, this new name will better represent UAB as a collaborative hub research in all aspects of aging, and will be in accordance with new trends on naming aging centers worldwide;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves changing the name of the Comprehensive Center for Healthy Aging to the Integrative Center for Aging Research at The University of Alabama at Birmingham.

Granting Approval of the Conversion and Renaming of the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Professorship in Nephrology to the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Chair in Nephrology at UAB

RESOLUTION

WHEREAS, on June 17, 2016, The Board of Trustees of The University of Alabama accepted gifts totaling $501,000 from Dialysis Clinic, Inc., and the University of Alabama
Health Services Foundation (UAHSF), and approved the establishment of the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Professorship in Nephrology in the Division of Nephrology in the Department of Medicine within the School of Medicine at The University of Alabama at Birmingham (UAB); and

WHEREAS, now, contributions totaling $1,125,000 from Dialysis Clinic and the UAHSF have been received, bringing the endowment corpus to a total of $1,626,000 which exceeds the Board minimum for an endowed chair; and

WHEREAS, it is the wish of the donors that this endowment be converted and renamed to an endowed chair; and

WHEREAS, it also is the intent of the donors that the spendable earnings from this endowment continue to be used to recruit and retain an expert faculty member in the field of nephrology and support physician-scientists within the Division that are breaking ground every day with cutting-edge research to promote the advancement of health sciences and the improvement of education and health-care technology as related to the study and treatment of kidney disease; and

WHEREAS, this endowed chair will have a lasting effect on the work performed by the renowned professionals in the Division who occupy the endowed position and on the lives of the patients and students touched by their research, teaching and care; and

WHEREAS, the ongoing contributions of such an endowment will be of fundamental and lasting value to UAB, the community, the state of Alabama, and beyond;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts with gratitude these additional generous gifts and herewith approves the conversion and renaming of the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Professorship in Nephrology to the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Chair in Nephrology, a pure endowment of the University.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies or any parts of it be sent to Dr. Rutsky to share with family and friends; to Dr. Anupamagarwal, Director of the Division of Nephrology; to Dr. C. Seth Landefeld, Chair of the Department of Medicine; to Dr. Selwyn M. Vickers, Senior Vice President and Dean of the School of Medicine; and to other appropriate officials of The University of Alabama at Birmingham

Granting Approval of the Conversion and Renaming of the Magic City LGBTQ Health Studies Endowed Faculty Scholar Fund to the Magic City LGBTQ Health Studies Endowed Professorship at UAB
RESOLUTION

WHEREAS, on February 9, 2018, The Board of Trustees of The University of Alabama accepted gifts totaling $252,405.36 from Dr. Cameron McDonald Vowell, and approved the establishment of the Magic City LGBTQ Health Studies Endowed Faculty Scholar Fund in the School of Public Health at The University of Alabama at Birmingham (UAB); and

WHEREAS, now, contributions totaling $497,594.64 from Dr. Vowell have been received, bringing the endowment corpus to a total of $750,000 which exceeds the Board minimum for an endowed professorship; and

WHEREAS, it is the wish of the donor that this endowment be converted and renamed to an endowed professorship, as an intermediate step to endowed chair, to be used to further the mission of the School and enhance its academic stature; and

WHEREAS, it also is the intent of the donors that the spendable earnings from this endowment continue to be used to recruit and/or retain an expert faculty member at the University whose focus in LGBTQ health studies will be of significant and sustained value not only to the LGBTQ community of Birmingham, but also to the continuing advancement of the field of LGBTQ health studies; and

WHEREAS, this endowed professorship will have a lasting effect on the work performed by the renowned professionals in the School who occupy the endowed position and on the lives of the patients and students touched by their research, teaching and care; and

WHEREAS, the ongoing contributions of such an endowment will be of fundamental and lasting value to UAB, the community, the state of Alabama, and beyond;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts with gratitude these additional generous gifts and herewith approves the conversion and renaming of the Magic City LGBTQ Health Studies Endowed Faculty Scholar Fund to the Magic City LGBTQ Health Studies Endowed Professorship, a pure endowment of the University.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies or any parts of it be sent to Dr. Cameron M. Vowell to share with family and friends; to Dr. Paul C. Erwin, Dean of the School of Public Health; and to other appropriate officials of The University of Alabama at Birmingham.

Granting Approval of the Conversion and Renaming of the Edward E. Partridge, M.D., Endowed Faculty Scholar of Cancer Disparity Research to the Edward E. Partridge, M.D., Endowed Chair for Cancer Disparity Research at UAB
RESOLUTION

WHEREAS, on November 3, 2017, The Board of Trustees of The University of Alabama accepted gifts totaling $180,000 from Mr. J. Norman Estes and the late Mr. James H. Estes, and approved the establishment of the Edward E. Partridge, M.D., Endowed Faculty Scholar for Cancer Disparity Research in the O'Neal Comprehensive Cancer Center at The University of Alabama at Birmingham (UAB); and

WHEREAS, now, additional contributions totaling $990,000 from the original donors have been received, bringing the endowment balance to $1,170,000; and

WHEREAS, it is the wish of the administration of the O'Neal Comprehensive Cancer Center to use funds of $330,000 to create a related quasi endowment, now bringing the endowment corpus to a total of $1,500,000 which meets the Board minimum for an endowed chair; and

WHEREAS, it is also the wish of the donors and administration of the Center that this endowment be converted and renamed to an endowed chair, and that the spendable earnings from this endowment continue to be used to recruit and/or retain a nationally or internationally recognized faculty member who is an expert cancer disparity research and who will further the cancer disparity research efforts of the Center; and

WHEREAS, it is most fitting that this endowment continue to honor Dr. Edward E. Partridge for his exemplary work and longtime commitment to cancer research as retired Director of the Center; and

WHEREAS, this endowed chair will have a lasting effect on the work performed by the renowned professionals in the Center who occupy the endowed position and on the lives of the patients and students touched by their research, teaching and care;

WHEREAS, the ongoing contributions of such an endowment will be of fundamental and lasting value to UAB, the community, the state of Alabama, and beyond;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts with gratitude these additional generous gifts and herewith approves the conversion and renaming of the Edward E. Partridge, M.D., Endowed Faculty Scholar for Cancer Disparity Research to the Edward E. Partridge, M.D., Endowed Chair for Cancer Disparity Research, a pure endowment of the University with an associated quasi endowment in the amount of $330,000.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies or any parts of it be sent to Mr. J. Norman Estes to share with family and friends; to Dr. Edward E. Partridge to share with colleagues, family, and friends; to Dr. Ravi Bhatia, Interim Director of the O'Neal Comprehensive Cancer Center; to Dr. Selwyn M. Vickers, Senior Vice President and Dean of the School of Medicine; and to other appropriate officials of The University of Alabama at Birmingham.
Granting Approval of the Appointment of Lewis Keith Lloyd, M.D., as the Inaugural Holder of the Anderson Family Endowed Chair in Urology in the School of Medicine at UAB

RESOLUTION

WHEREAS, the Anderson Family Endowed Chair in Urology in the Department of Urology in the School of Medicine at The University of Alabama at Birmingham (UAB) was established on June 8, 2018, by The Board of Trustees of The University of Alabama, having been made possible through the generous support of Mr. Charles C. Anderson, Sr., and the Anderson Family; and

WHEREAS, as recommended by Dean G. Assimos, M.D., Chairman of the Department of Urology, with the concurrence of Selwyn M. Vickers, M.D., Senior Vice President for Medicine and Dean of the School of Medicine at UAB, and the University’s leadership, the UAB administration now wishes to appoint Lewis Keith Lloyd, MD., as the inaugural holder of the Anderson Family Endowed Professorship in Urology in the Department of Urology in the School of Medicine at UAB; and

WHEREAS, Dr. Lloyd earned his medical degree in 1966 from Tulane University School of Medicine in New Orleans, Louisiana; and

WHEREAS, Dr. Lloyd was conscripted into the United States Military 1966-1970 and served as a Medical Officer, Lieutenant Commander under U.S. Public Health Service; and

WHEREAS, Dr. Lloyd continued postdoctoral education by completing a residency in Urology in 1974 at Tulane University School of Medicine in New Orleans, Louisiana; and

WHEREAS, Dr. Lloyd was recruited to UAB in 1974 as an Assistant Professor of Urology in the Department of Surgery, followed by a promotion to Associate Professor of Urology in the Department of Surgery in 1977, followed by a promotion to Professor of Urology in the Department of Surgery in 1981; and

WHEREAS, since 1977, Dr. Lloyd has served as Director of the UAB Urological Rehabilitation & Research Center, Spain Rehabilitation Center; and

WHEREAS, Dr. Lloyd was named Director of Urology, Department of Surgery from 1995–1999; and

WHEREAS, Dr. Lloyd has become an outstanding clinical urologist with a distinguished reputation in the research of urodynamics and neurogenic bladder, urologic care in spinal cord injury, male sexual dysfunction, and urinary incontinence and female urology; and

WHEREAS, Dr. Lloyd has demonstrated his commitment to the progression of his field of study through his involvement as a member of various organizations and societies
such as the American Urological Association, American Medical Association, Southeastern Section of the American Urological Association, Medical Association of the State of Alabama, Jefferson County Medical Society, Birmingham Urological Club, American College of Surgeons, American Spinal Injury Association, Alabama Gerontological Society, and Injury Prevention Research Center; and

WHEREAS, he has been ranked in America’s Top Doctors and has been mentor to medical students, urology residents and female pelvic medicine and reconstructive surgery fellows, as well as having received various awards and honors including the Billings Gold Medal for Scientific Exhibit from the America Medical Association in 1978 and the Distinguished Member Award at the Southeastern Section of the American Urological Association’s annual meeting in 2016; and

WHEREAS, members of the Search Committee have unanimously recommended that Dr. Lloyd be appointed as the inaugural holder of the Anderson Family Endowed Chair in Urology in the School of Medicine and believe it most appropriate for Dr. Lloyd to be honored as a leader in the Department of Urology at UAB, with the full expectation that he will continue to contribute to UAB’s national and international reputation for excellence in patient care, teaching, and research;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that Lewis Keith Lloyd, M.D., is hereby appointed as the inaugural holder of the Anderson Family Endowed Chair, in Department of Urology, in the School of Medicine at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies be sent to Lewis Keith Lloyd, M.D., Professor, Department of Urology; to Selwyn M. Vickers, M.D., Senior Vice President for Medicine and Dean of the School of Medicine; to Dean G. Assimos, M.D., Chairman of the Department of Urology; and to other appropriate officials of The University of Alabama at Birmingham.

Granting Approval of the Appointment of Susan L. Bellis, Ph.D., as the Third Holder of the Alma B. Maxwell-UAHSF Endowed Chair in Biomedical Research in the School of Medicine at UAB

RESOLUTION

WHEREAS, on September 19, 2008, a resolution was approved by The Board of Trustees of The University of Alabama formally establishing the Alma B. Maxwell–UAHSF Endowed Chair in Biomedical Research in the School of Medicine at The University of Alabama at Birmingham (UAB); and

WHEREAS, recommended by Bradley K. Yoder, Ph.D., Professor and Chair of the Department of Cell, Developmental and Integrative Biology, Selwyn M. Vickers, M.D., F.A.C.S., Senior Vice President and Dean of the School of Medicine, and the University’s
leadership, the UAB administration wishes to appoint Susan L. Bellis, Ph.D., Professor of the Department of Cell, Developmental and Integrative Biology, as third holder of this Endowed Chair; and

WHEREAS, Dr. Bellis obtained an undergraduate degree in Music in 1982 from the California State University in Long Beach, a second bachelor’s degree in Biology in 1986 from the University of California, Irvine, and a Ph.D. in Biochemistry in 1993 from the University of Rhode Island; and

WHEREAS, Dr. Bellis conducted her postdoctoral training from 1993 to 1998 at the State University of New York at Syracuse, focusing on mechanisms that regulate tumor cell adhesion and migration; and

WHEREAS, the Department of Physiology at UAB offered Dr. Bellis her first faculty appointment as an Instructor in 1998; and

WHEREAS, Dr. Bellis continued her career in the Department of Physiology, where she moved up the ranks to Full Professor, awarded in 2010, and then later joined the Department of Cell, Developmental and Integrative Biology following the merger of the Physiology and Cell Biology Departments; and

WHEREAS, Dr. Bellis is an internationally recognized scientist who directs an active research program focused broadly on tumor glycobiology. Her longstanding research interests lie in the role of glycosyltransferases in driving a stem-like, metastatic tumor cell phenotype; and

WHEREAS, Dr. Bellis has an established record of continuous extramural support for her research, having received numerous competitive grants from the National Institutes of Health, Department of Defense, Mizutani Foundation, and American Heart Association; and

WHEREAS, Dr. Bellis has published the results of her research in more than 75 peer reviewed manuscripts in prestigious journals and has provided extensive service on editorial boards, grant review panels and the administrative boards of international scientific societies. As examples, Dr. Bellis serves as Associate Editor for the Journal of Ovarian Research, Chair of the NIH study section, Tumor Progression and Metastasis, and member of the Board of Directors for the Society for Glycobiology; and

WHEREAS, Dr. Bellis continues to be a dedicated educator and mentor for the next generation of scientists, as evidenced by her extensive teaching portfolio and direct mentorship of 23 Ph.D. students, in addition to her role as a research mentor for numerous undergraduates, medical students and postdoctoral fellows; and

WHEREAS, this Board is exceptionally honored to have an individual with Dr. Bellis’ superior experience and exceptional abilities as a member of the UAB faculty, and it concurs in the University’s decision to honor her by naming her as the third holder of the Alma B. Maxwell–UAHSF Endowed Chair in Biomedical Research;
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Susan L. Bellis, Ph.D. as the third holder of the Alma B. Maxwell–UAHSF Endowed Chair in Biomedical Research in the School of Medicine at The University of Alabama at Birmingham, with all rights and privileges thereunto appertaining.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board, and that copies be sent to Susan L. Bellis, Ph.D., to share with members of her family; to Bradley K. Yoder, Ph.D., Professor and Chair, Department of Cell, Developmental and Integrative Biology at The University of Alabama at Birmingham; and to other appropriate officials of UAB.

Granting Approval of the Appointment of Erik D. Roberson, M.D., Ph.D., as the First Holder of the Rebecca Gale Endowed Professorship in the Department of Neurology in the School of Medicine at UAB

RESOLUTION

WHEREAS, the Rebecca Gale Endowed Professorship in the Department of Neurology in the School of Medicine at The University of Alabama at Birmingham (UAB) was established on June 7, 2019 by The Board of Trustees of The University of Alabama, having been made possible through the generous support of the Gale Foundation; and

WHEREAS, as recommended by David G. Standaert, M.D., Ph.D., Chairman of the Department of Neurology, with the concurrence of Selwyn M. Vickers, M.D., Senior Vice President for Medicine and Dean of the School of Medicine at UAB, and the University’s leadership, the UAB administration now wishes to appoint Erik D. Roberson, M.D., Ph.D. as the first holder of the Rebecca Gale Endowed Professorship in the Department of Neurology in the School of Medicine at UAB; and

WHEREAS, Dr. Roberson earned his doctoral degree in 1997 and his medical degree in 1999 from Baylor College of Medicine, Houston, Texas; and

WHEREAS, Dr. Roberson continued postdoctoral education by completing a residency in Neurology in 2003 at the University of California, San Francisco, California; a clinical fellowship in Behavioral Neurology in 2005 at the University of California, San Francisco, California; and a postdoctoral research fellowship in 2006 at the Gladstone Institute of Neurological Disease, San Francisco, California; and

WHEREAS, Dr. Roberson was recruited to UAB in 2008 as Assistant Professor of Neurology, followed by a promotion to Associate Professor of Neurology in 2012 and a promotion to Professor of Neurology in 2018; and

WHEREAS, in 2013, Dr. Roberson was named Associate Director of the UAB Alzheimer’s Disease Center, Director of the UAB Center for Neurodegeneration and
Experimental Therapeutics, and the inaugural holder of the Virginia B. Spencer Endowed Professorship in Neuroscience in the Department of Neurology; and

WHEREAS, Dr. Roberson’s research is extensively involved in understanding disease mechanisms of Alzheimer’s disease and frontotemporal dementia, seeking novel therapeutic options for patients suffering from memory disorders; and

WHEREAS, Dr. Roberson has an international reputation as a clinician, scientist, and educator, publishing more than 60 peer-reviewed articles, two books, and 12 book chapters; receiving numerous grants; serving on National Institutes of Health grant review panels; and having been invited to lecture at numerous national and international seminars and conferences; and

WHEREAS, Dr. Roberson’s professional memberships include the American Academy of Neurology, the American Neurological Association, the Society for Neuroscience, the Molecular and Cellular Cognition Society, the International Society to Advance Alzheimer’s Research and Treatment, and the International Society for Frontotemporal Dementia; and

WHEREAS, members of the Search Committee have unanimously recommended that Dr. Roberson be appointed to the Rebecca Gale Endowed Professorship in the School of Medicine and this Board believes it most appropriate for Dr. Roberson to be named to the Rebecca Gale Endowed Professorship and honored as one of leaders in the Department of Neurology at UAB, with the full expectation that he will continue to contribute to UAB’s national and international reputation for excellence in patient care, teaching, and research;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that Erik D. Roberson, M.D., Ph.D., is hereby appointed as the first holder of the Rebecca Gale Endowed Professorship, in the School of Medicine at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies be sent to Erik D. Roberson, M.D., Ph.D., Associate Professor, Department of Neurology; to Selwyn M. Vickers, M.D., Senior Vice President for Medicine and Dean of the School of Medicine; to David G. Standaert, M.D., Ph.D., Chairman of the Department of Neurology; and to other appropriate officials of The University of Alabama at Birmingham.

Granting Approval of the Appointment of C. Ryan Miller, M.D., Ph.D., to the Translational Research Endowed Professorship in Pathology in the Department of Pathology at UAB

RESOLUTION

WHEREAS, on February 9, 2018 The Board of Trustees of The University of Alabama approved the creation of the Translational Research Endowed Professorship in Pathology
in The University of Alabama School of Medicine at The University of Alabama at Birmingham (UAB); and

WHEREAS, as recommended by Georges J. Netto, M.D., Chair of the Department of Pathology, with the concurrence of Selwyn M. Vickers, M.D., Senior Vice President and Dean of the School of Medicine at UAB and the University’s leadership, the UAB administration now wishes to appoint C. Ryan Miller, M.D., Ph.D., as the first holder of this endowed professorship; and

WHEREAS, Dr. Miller earned his Ph.D. in 1999 and his M.D. in 2002 at The University of Alabama at Birmingham School of Medicine in the Medical Scientist Training Program (MSTP); and

WHEREAS, Dr. Miller completed his Anatomic Pathology Residency in 2004 and his Neuropathology Fellowship in 2006 at Washington University School of Medicine, St. Louis, MO; and

WHEREAS, Dr. Miller was a postdoctoral fellow at The University of Alabama at Birmingham from 1999-2002; and

WHEREAS, Dr. Miller was a postdoctoral fellow at Washington University School of Medicine from 2005-2006 and a Clinical Research Fellow from 2005-2006; and

WHEREAS, Dr. Miller served as Visiting Assistant Professor of Pathology at University of North Carolina School of Medicine from 2006-2007, Assistant Professor from 2007-2013, Associate Professor with tenure from 2013-2019, and was promoted to Professor in April 2019; and

WHEREAS, Dr. Miller was recruited to UAB in April 2019 as Professor with a primary appointment in the Department of Pathology and service role as Director of the Division of Neuropathology; and

WHEREAS, Dr. Miller is an outstanding physician who will further expand the University’s clinical, education and research efforts in pathology; and

WHEREAS, Dr. Miller is an internationally recognized expert in Neuropathology and Oncology who is currently serving as Co-Chair of Neuropathology and as a member of the Neuro-oncology Committee for the Alliance for Clinical Trials in Oncology for the National Cancer Institute; and

WHEREAS, Dr. Miller has served as a member on numerous NIH grant review panels, including the Special Emphasis Panel on Cancer Biomarkers; and

WHEREAS, Dr. Miller has outstanding leadership roles in the national and international Pathology community holding several committee appointments in the American Association of Neuropathologists; and
WHEREAS, Dr. Miller has consistently demonstrated his passion and dedication for teaching at both the medical and graduate student levels having received two Whitehead Awards for the Best Basic Science Course and the Joe W. Grisham Award for Excellence in Teaching Graduate Students while at the University of North Carolina; and

WHEREAS, Dr. Miller was the Director of the Graduate Program in Translational Research at the University of North Carolina; and

WHEREAS, Dr. Miller is a strong mentor to undergraduate and graduate students, research fellows, clinical fellows and junior faculty members; and

WHEREAS, Dr. Miller has served as Principal or Co-investigator on grants and contracts from the NIH, foundations, and industry with seven current grants funded through 2024; and

WHEREAS, Dr. Miller has authored or co-authored more than 100 published manuscripts and review articles, edited five (5) books, presented forty-six invited lectures, delivered thirty-one oral lectures and thirty-one poster presentations at national and international conferences, and has ninety-one published abstracts; and

WHEREAS, Dr. Miller has brought national and international recognition to the University by serving on three Editorial Boards of peer-reviewed journals and is a sought after reviewer on more than eighty prestigious journals; and

WHEREAS, members of the Search Committee have unanimously recommended that Dr. Miller be appointed to the Translational Research Endowed Professorship in Pathology;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of C. Ryan Miller, M.D., Ph.D. to the Translational Research Endowed Professorship in Pathology in the Department of Pathology in the School of Medicine at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Miller to share with members of his family, and to other appropriate University officials.

Granting Approval of the Appointment of Alan Percy, M.D., to the Sarah Katherine Bateh Endowed Professorship for Rett Syndrome in the School of Medicine at UAB

RESOLUTION

WHEREAS, as recommended by Selwyn Vickers, M.D., Senior Vice President and Dean of The University of Alabama School of Medicine, with the concurrence of the leadership of The University of Alabama at Birmingham (UAB), UAB administration now
wishes to appoint Alan Percy, M.D., Professor of Pediatric Neurology, as the first holder of this endowed professorship; and

WHEREAS, Dr. Percy earned his undergraduate degree from Harvard College in 1960; received his medical degree from Stanford University in 1965; began his postgraduate training and completed his Pediatric Residency at that institution, followed by a Pediatric Neurology Residency at Johns Hopkins Hospital; and

WHEREAS, Dr. Percy began his academic career as an Assistant Professor at Johns Hopkins University followed by appointments at UCLA School of Medicine; Charles R. Drew Postgraduate Medical School and Martin Luther King, Jr. General Hospital, where he served as Director of the Office of Research Programs and, later appointed Dean of Research; and Baylor College of Medicine, Texas Medical Center; and

WHEREAS, Dr. Percy was recruited to the faculty of UAB in 1992, as Professor and Director of the Division of Pediatric Neurology; Director of Clinical Neuroscience for the Civitan International Research Center; and Director of Sparks Clinic; and

WHEREAS, Dr. Percy is Board Certified in Pediatrics, Psychiatry and Neurology with special competence in Child Neurology, and holds a Certificate of Added Qualifications in Neurodevelopmental Disabilities; and

WHEREAS, Dr. Percy is internationally known as an expert in Rett Syndrome and mutations in the related gene, MECP2; has expertise in neurodegenerative and neurodevelopmental disorders, many of which are genetic; and is the Principal Investigator of the Office of Rare Disease and National Institutes of Child Health and Human Development-funded Natural History Study; and

WHEREAS, Dr. Percy was appointed Vice Chairman of the UAB Department of Pediatrics in 1994; the William Bew White Jr. Professor of Pediatrics by The Children's Hospital of Alabama in 1996; Associate Director of the UAB Civitan International Research Center in 2002; and as the William Bew White Jr. Professor of Pediatrics – Emeritus in 2003; and

WHEREAS, Dr. Percy was named a McNulty Eminent Scholar and Medical Director of the Civitan International Research Center in 2005, and Interim Director of the Civitan International Research Center in 2016; and

WHEREAS, Dr. Percy has played an active teaching role throughout his career, including as Director of UCLA Pediatric Clerkship Program at Martin Luther King, Jr. General Hospital; Director, National Science Foundation Student Science Training Program at Charles R. Drew Postgraduate Medical School; and Director, Child Neurology Training Program at UAB; and

WHEREAS, Dr. Percy’s work in advancing knowledge that improves the health of children is reflected in over 190 published manuscripts, and over 100 books, chapters, and editorials; and

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WHEREAS, Dr. Percy has served on Extramural Review Groups, Editorial Boards, and as an Ad hoc Journal Reviewer for the preeminent publications in his field, and has brought his knowledge and expertise to bear as an editor for numerous nationally prominent publications, including as Co-Editor for Translational Science of Rare Diseases; and

WHEREAS, Dr. Percy has been an active member and leader of the important professional societies of his field, including the American Association for the Advancement of Science, American Neurological Association, American Board of Pediatrics, American Pediatric Society (Emeritus), American Board of Psychiatry and Neurology, American Society of Neurochemistry, American Neurological Association, Fellow in the American Academy of Neurology, Fellow in the American Academy of Pediatrics, Child Neurology Society, Child Neurology Foundation, European Society for Pediatric Research, International Child Neurology Association, Neurological Public Policy Fellowship, National Institute of Health/Office of Rare Disease Research Network, Society for Neuroscience, Society for Pediatric Research, Southern Child Neurology Society, Society for Experimental Neuropathology, The Japanese Society of Child Neurology, Western Society for Pediatric Research; and

WHEREAS, Dr. Percy has served on a number of Advisory Boards and Directorships in his field, including, Chairman of the Scientific Advisory Committee for the International Rett Syndrome Association; Chairman of the Tissue Committee for Rett Syndrome for Harvard Brain Bank; and Chairman of the Scientific Advisory Committee for Research for Rett Foundation; and

WHEREAS, Dr. Percy has earned numerous awards and honors throughout his remarkable career, including recognition as the McNulty Eminent Scholar of the Civitan International Research Center; Special Fellowship, National Institutes of Health, National Institute of Neurological Disorders and Stroke (Pediatric Neurology); Doctor Honoris Causa from Göteborg University in Göteborg, Sweden; and numerous teaching awards, lectureships, and visiting professorships; and

WHEREAS, Dr. Percy has served Children’s of Alabama and the children of Alabama and the country tirelessly throughout his career; and his commitment to children’s health has brought great skill, energy and luster to the collaborative mission of UAB and Children’s of Alabama; and

WHEREAS, members of this Board concur with the selection of Dr. Percy as the first holder of this prestigious professorship;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that Alan Percy, M.D., hereby is appointed as the first holder of the Sarah Katherine Bateh Endowed Professorship for Rett Syndrome in The University of Alabama School of Medicine at UAB, with all rights and privileges thereunto appertaining.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board, and that copies be sent to Alan Percy, M.D., to share with members
of his family; to Selwyn Vickers, M.D., Senior Vice President and Dean of The University of Alabama School of Medicine at UAB; and to other appropriate officials of UAB.

Granting Approval of the Appointment of Yabing Chen, Ph.D., to the Jay M. McDonald, M.D., Endowed Professorship in Laboratory Medicine in the Department of Pathology at UAB

RESOLUTION

WHEREAS, on February 6, 2015, The Board of Trustees of The University of Alabama approved the creation of the Jay M. McDonald, M.D., Endowed Professorship in Laboratory Medicine in The University of Alabama School of Medicine at The University of Alabama at Birmingham (UAB); and

WHEREAS, as recommended by Georges J. Netto, M.D., Chair of the Department of Pathology, with the concurrence of Selwyn M. Vickers, M.D., Senior Vice President and Dean of the School of Medicine at UAB and the University's leadership, the UAB administration now wishes to appoint Yabing Chen, Ph.D., as the first holder of this endowed professorship; and

WHEREAS, Dr. Chen earned her Ph.D. in 1996 at Xiamen University, Xiamen, P.R. China and her M.B.A. in 2001 at the University of Vermont in Burlington, Vermont; and

WHEREAS, Dr. Chen was recruited to UAB in 2004 as Assistant Professor with a primary appointment in the Department of Pathology, was promoted to Associate Professor in 2010 and to Professor with tenure in 2014; and

WHEREAS, Dr. Chen is Vice Chair for Faculty Development and Education in the Department of Pathology; and

WHEREAS, Dr. Chen is an outstanding researcher who will further expand the University’s education and research efforts in pathology; and

WHEREAS, Dr. Chen is an internationally recognized leader in the field of vascular mineral metabolism with a remarkable track record of innovative scientific contributions; and

WHEREAS, Dr. Chen received the Research Career Scientist Award from the United States Department of Veterans Affairs and the Vascular Biology Special Recognition Award from the American Heart Association; and

WHEREAS, Dr. Chen has outstanding leadership roles in the national and international Pathology community, including serving as Chair of the American Heart Association Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Committee on Scientific Sessions Program, having been a Charter Member of the NIH Vascular Cell and Molecular Biology study section, chairing the NIH grant review Special Emphasized Panel
for R15 and serving on the Scientific Program Advisory Committee of the International Academy of Cardiology; and

WHEREAS, Dr. Chen has consistently demonstrated her passion and dedication for teaching throughout her career at UAB currently serving as Director of the Pathobiology and Molecular Medicine Theme within the Graduate Biomedical Sciences Program and course Director of the graduate course “Molecular Basis of Disease”; and

WHEREAS, Dr. Chen is a strong mentor to graduate students, research fellows, and junior faculty members as evidenced by her receipt of the 2016 Graduate School Dean’s Award for Excellence in Mentorship and 2019 School of Medicine Dean’s Excellence Award for Mentorship; and

WHEREAS, Dr. Chen has served as Principal or Co-investigator on grants from the National Institutes of Health (NIH), foundations, and industry with three currently funded NIH R01s and a VA Research Career Scientist Award; and

WHEREAS, Dr. Chen has presented ninety-eight national and international invited lectures, has authored or co-authored sixty-one published manuscripts, two (2) book chapters, and seventy-one published abstracts; and

WHEREAS, Dr. Chen has brought national and international recognition to the University by serving on four Editorial Boards of peer-reviewed journals, as Guest Associate Editor of ATVB Special Topic on Metabolic Stress and Vascular Disease and is a sought after reviewer on numerous prestigious journals; and

WHEREAS, Dr. Chen is an exemplary citizen of the UAB and the School of Medicine having served in the Faculty Senate since 2015 and chaired its Governance and Operations Committee; and

WHEREAS, members of the Search Committee have unanimously recommended that Dr. Chen be appointed to the Jay M. McDonald, M.D., Endowed Professorship in Laboratory Medicine;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Yabing Chen, Ph.D. to the Jay M. McDonald, M.D., Endowed Professorship in Laboratory Medicine in the Department of Pathology in the School of Medicine at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Chen to share with members of her family, and to other appropriate University officials.

Granting Approval of the Appointment of Gary R. Cutter, Ph.D., as Professor Emeritus of Biostatistics in the Department of Biostatistics at UAB
RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB), the School of Public Health, UAB wishes to acknowledge Gary R. Cutter, Ph.D., by appointing him as Professor Emeritus of Biostatistics in the Department of Biostatistics; and

WHEREAS, Dr. Cutter earned his Bachelor of Arts degree in Mathematics in 1970 from the University of Missouri, his Masters of Science in Biometry in 1971 from the University of Texas School of Public Health and his Doctor of Philosophy degree in 1974 in Biometry from the University of Texas School of Public Health; and

WHEREAS, Dr. Cutter has contributed over 635 scientific papers to the research community in many research areas from multiple sclerosis, myasthenia gravis, Alzheimer's disease, Parkinson's disease, neonatal medicine, maternal fetal medicine, hypertension, cardiology, tuberous sclerosis, neurofibromatosis, prevention science and clinical trial design; and

WHEREAS, Dr. Cutter served as Head of the Division of Biometry at the University of Alabama at Birmingham from 1981-1988; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center Coronary Artery Risk Development in Young Adults (CARDIA) at the University of Alabama at Birmingham from 1985-1989; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center of the Umbilical Artery Catheter Placement Trial in Birmingham from 1989-1991; and

WHEREAS, Dr. Cutter served as Director of the Data Evaluation Management and Analysis Core, of the Low Birthweight Patient Outcome Research Team from 1992-1994; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center for Contact Lens Observational and Clinical study from 1993-1996; and

WHEREAS, Dr. Cutter served as Chair for the Center for Research Methodology and Biometrics for the AMC Cancer Research Center in Denver, Colorado from 1994-2002; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center Nitric Oxide Study Group from 1996-present; and

WHEREAS, Dr. Cutter served as Director of the Biostatistical Core for Cancer Information Service Research from 1994-1998; and
WHEREAS, Dr. Cutter served as Director of the Biostatistical Shared Resources of the Cancer Prevention Unit from 1995-1998; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center for the pilot Combination Therapy in MS (COMBIRx) from 1997-2001; and

WHEREAS, Dr. Cutter served as Chair for the Statistics Section at the American Public Health Association from 1998-1999; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center Nitric Oxide Study Group from 1996-present; and

WHEREAS, Dr. Cutter served as Director of the Center for Research Design and Statistical Methods at the University of Nevada in Reno, Nevada from 2002-2004; and

WHEREAS, Dr. Cutter served as the Director of the Section of Research Methods and Clinical Trials in the UAB Department of Biostatistics from 2003-2015; and

WHEREAS, Dr. Cutter served as Director of the Statistics and Data Management Center on the CombiRx Trial at NINOS from 2004-present; and

WHEREAS, Dr. Cutter served as Director of the Coordinating Center and Principal Investigator of the Thymectomy plus Prednisone versus Prednisone alone in non-Thymomatous Myasthenia Gravis from 2005-present; and

WHEREAS, Dr. Cutter served as Associate Director of the UAB Biostatistics Pre and Post-Doctoral Training Program at NINOS from 2007-2013; and

WHEREAS, Dr. Cutter served as Director of the Biostatistics/ Bioinformatics Resource (BBR) Core Center for Acute Kidney Injury Research at UAB-USCD O’Brien Center from 2008-present; and

WHEREAS, Dr. Cutter served as Director of the UAB Center for AIDS Research of the Biostatistics Core at UAB from 2008-2016; and

WHEREAS, Dr. Cutter served as the Director of the Statistical Coordinating Center for Collaborative Antiviral Study Group (CASC) from 2008-2015; and

WHEREAS, Dr. Cutter served as Director and now Senior Advisor of the North American Research Committee on MS (NARCOMS) Data Registry from 2009-present; and

WHEREAS, Dr. Cutter served as Director of the Statistical Coordinating Center of the Caesarean Section Optimal Antibiotic Prophylaxis (C/SOAP) Trial from 2010-2013; and
WHEREAS, Dr. Cutter served on the Board of Directors of the Consortium of MS Centers from 2010-present; and

WHEREAS, Dr. Cutter served as Invited Faculty for the NINDS Annual Clinical Trials Course from 2010-2013; and

WHEREAS, Dr. Cutter served on the External Advisory Committee for the NINDS Annual Clinical Trials Course from 2015-present; and

WHEREAS, Dr. Cutter served on the External Advisory Committee for the NINDS Common Data Elements initiative from 2012-present; and

WHEREAS, Dr. Cutter served as Director of the Statistical Management and Analysis Center for the Department of Defense Neurofibromatosis Consortium from 2012-present; and

WHEREAS, Dr. Cutter served as originator and Director of the Myasthenia Gravis Patient Registry from 2014-present; and

WHEREAS, Dr. Cutter served as the Director of the Chronic Hypertension in Pregnancy Coordinating Center from 2014-present; and

WHEREAS, Dr. Cutter served as President of the Consortium of MS Centers from 2016-2018; and

WHEREAS, Dr. Cutter served as Chairman of the Medical Review Board for Crowdacure.com from 2015-present; and

WHEREAS, Dr. Cutter served as Deputy Director of the Program and Director of the Collaborative Opportunities Component of the National Center for High Impact Clinical Trials in Rehabilitation Research (R3ACT) from 2015-present; and

WHEREAS, Dr. Cutter served as President of the Consortium of MS Centers from 2016-2018; and

WHEREAS, Dr. Cutter served as the Director of the Coordinating Center for the Discontinuation of Disease Modifying Therapy (DMTs) in Multiple Sclerosis (MS) - DISCOMS Coordinating Center (PCORI) from 2014-present; and

WHEREAS, Dr. Cutter served as the Director of the Coordinating Center for the Chlorthalidone in Chronic Kidney Disease (CLICK) Study from 2015-2017; and

WHEREAS, Dr. Cutter served as the Director of the Coordinating Center for the Preventing Epilepsy Using Vigabatrin In Infants With Tuberous Sclerosis Complex (PREVENT Trial) from 2016-present; and
WHEREAS, Dr. Cutter served as the Director of the Biostatistics Core for UAB's Alzheimer's Disease Center from 2016-2019; and

WHEREAS, Dr. Cutter served as the Director of the Coordinating Center for the Premature Infants Receiving Milking or Delayed Cord Clamping: Randomized Controlled Multicenter Non-Inferiority Trial from 2017-2019; and

WHEREAS, Dr. Cutter has consistently demonstrated his passion for teaching and dedication to students, and has ultimately served as an invaluable and influential mentor to students; and

WHEREAS, Dr. Cutter has been named "Who's Who in America" from 1995-present; and

WHEREAS, Dr. Cutter received the Faculty Award for Outstanding Teaching, Students Preceptorship, Research Collaboration Opportunities and PM&B Certificate Program, Department of Preventive Medicine and Biometrics, University of Colorado Health Sciences Center in 1995-1996; and

WHEREAS, Dr. Cutter was named the Whitaker Lecture Speaker in Department of Neurology at UAB's School of Medicine in 2011; and

WHEREAS, Dr. Cutter received the UAB School of Public Health Faculty Mentorship Award in 2012; and

WHEREAS, Dr. Cutter received the 2014 Distinguished Faculty Investigator Award; and

WHEREAS, Dr. Cutter was a member of the Executive Committee of the UAB CCTS from 2012-2016; and

WHEREAS, Dr. Cutter serves as statistical editor for the Journal of the American Society of Nephrology from 2012-present; and

WHEREAS, Dr. Cutter serves as contributing statistical editor for the Journal Neurology Clinical Practice 2013-present; and

WHEREAS, Dr. Cutter serves as associate editor for the Journal of the American Society of Nephrology from 2012-present; and

WHEREAS Dr. Cutter has served the community as Vice President for Finance, Birmingham Jewish Federation 2017-2019; and

WHEREAS, Dr. Cutter has a deep love for family, especially his wife, Sharon, and his three children, Corey Nicole, Scott Joshua and Todd Jason;
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Gary R. Cutter, Ph.D., as Professor Emeritus of Biostatistics in the Department of Biostatistics at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Cutter for his dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Cutter and to members of his family, and to other appropriate University officials.

Granting Approval of the Appointment of Harold P. Jones, Ph.D., as Professor and Dean Emeritus of the School of Health Professions at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB) and the School of Health Professions, UAB wishes to acknowledge Harold P. Jones, Ph.D. by appointing him as Professor and Dean Emeritus of the School of Health Professions; and

WHEREAS, Dr. Jones earned his Bachelor of Science degree in Biology with Honors and Distinction in 1973 from Rhodes College, and his Doctor of Philosophy degree in 1978 in Biochemistry from Duke University; and

WHEREAS, Dr. Jones served as the Dean of the UAB School of Health Professions from 2001 to 2019; and

WHEREAS, Dr. Jones chaired or was a member of UAB search committees for Athletic Director, Provost, and Deans of the College of Arts and Sciences and the School of Nursing; and

WHEREAS, Dr. Jones played a key role in the formation of the Blaze Leadership Academy; and

WHEREAS, Dr. Jones co-founded and co-chaired the Santa Fe Research Consortium; and

WHEREAS, Dr. Jones has an uncompromising commitment to academic excellence, a commitment to diversity in all its forms, and is an academic scholar with strategic, judicious, and collaborative leadership skills that have proven to be effective within a public research university and academic medical center; and

WHEREAS, Dr. Jones, during his tenure as Dean, saw student growth in the School
of Health Professions rise to an all-time high of 2,439 undergraduate, graduate and doctoral students; and

WHEREAS, Dr. Jones witnessed the School's research funding from agencies such as the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), the National Institutes of Health (NIH), the U.S. Department of Defense, and the Center for Disease Control and Prevention (CDC), increase to more than $14 million; and the School maintained its status as 1st or 2nd in annual NIH funding for health professions schools since 1969; and

WHEREAS, Dr. Jones was instrumental in establishing the UAB/Lakeshore Research Collaborative, a world-class research program in rehabilitative science that works to enable people with physical disability and chronic health conditions to lead healthy, active, and independent lifestyles; and

WHEREAS, Dr. Jones was instrumental in establishing the UAB Diabetes Research Center (DRC) in 2013, the only NIDDK diabetes center located in the Deep South and one of only 17 in the United States; and

WHEREAS, Dr. Jones fostered expansion of the UAB Nutrition Obesity Research Center (NORC), one of only 11 such centers in the United States, to include 170 regular, affiliated, and mentored member scientists, 37 postdoctoral trainees, and 15 pre-doctoral students dedicated to fostering a multidisciplinary approach to basic, clinical and translational research, and research training; and

WHEREAS, Dr. Jones, in response to the growing childhood obesity epidemic, helped create the NUW Early Childhood Nutrition Program, a public-private partnership with Nestlé, the Woodlawn Foundation, and the School of Health Professions. This program is an evidence-based educational program to educate parents, caregivers, and students about early childhood nutrition to prevent childhood obesity; and

WHEREAS, Dr. Jones was an entrepreneurial and creative leader who placed great emphasis on building teams, developing people, and resiliency; most notably through his creation of LeaderSHP, a development program offered to School of Health Professions’ high-performing staff and faculty to grow as leaders; and

WHEREAS, Dr. Jones, a champion for diversity who worked to enhance faculty, staff, and students’ sense of inclusion, established a school-wide Diversity, Equity and Inclusion Committee comprising of faculty, staff, and students to work collaboratively and promote these goals within the School and to build capacity for embracing the concepts; and

WHEREAS, Dr. Jones exhibited an unequalled passion for UAB spirit among his colleagues as the only dean to don costumes for homecoming every year, leading SHP to winning the UAB Homecoming Spirit Award for six consecutive years, and guiding the School to victory in the majority of UAB Building Decoration contests over the past 17 years; and
WHEREAS, Dr. Jones was an unabashed supporter of UAB Athletics who was named an honorary UAB football letterman and was named an honorary UAB alumnus in 2016; and

WHEREAS, Dr. Jones led development of the School of Health Professions’ Strategic Plan 2013–2018 entitled “Building on Strengths”, a comprehensive look at the future of health professions education at UAB, facilitated accomplishment of 80 percent of 167 action items in the first two years, and expanded and extended the strategic plan to accomplish additional goals for the School in his final two years as dean; and

WHEREAS, Dr. Jones was a visionary who made the School of Health Professions a recognized community leader by listening to community needs to identify real world problems, focusing on resources that the School was uniquely qualified to deploy, tailoring innovative teaching and research solutions to solve the problems, and partnering with strategic community, business, and global leaders to expand the impact of the School’s efforts;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves the appointment of Harold P. Jones, Ph.D. as Professor and Dean Emeritus of the School of Health Professions at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Jones for his dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Jones to share with members of his family, and to other appropriate University officials.

Granting Approval of the Appointment of Narayana V. L. Sthanan, Ph.D., as Professor Emeritus in the Department of Optometry and Vision Science at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB), and the School of Optometry, UAB wishes to acknowledge Narayana V. L. Sthanan, Ph.D. by appointing him Professor Emeritus in the Department of Optometry and Vision Science; and

WHEREAS, Dr. Sthanan earned his Master of Science degree in Chemistry in 1974 from Andhra University and his Doctor of Philosophy degree in 1981 from the Indian Institute of Technology; and
WHEREAS, Dr. Sthanam served for 32 years at UAB including 25 years in the UAB School of Optometry from 1993-2018, advancing from Assistant Professor to Associate Professor to Professor; and

WHEREAS, Dr. Sthanam maintained continuous research funding for 29 years; one NIH R29, four NIH ROIs, three NIH RO1 subcontracts, and industry funding, including 27 years of continuous NIH funding, allowing the School of Optometry to grow a significant reputation for research; and

WHEREAS, while not a vision scientist or optometrist, Dr. Sthanam’s contributions to the school through his work in crystallography has brought great success to the optometry research portfolio; and

WHEREAS, Dr. Sthanam has made meritorious and significant contributions in both didactic and clinical teaching, not only to students, residents, and faculty at the UAB School of Optometry, but also to the optometric profession at local, state, regional, national, and international levels; and

WHEREAS, Dr. Sthanam has contributed to the scientific community significantly by having published 91 peer-reviewed manuscripts, including 8 book chapters, 43 published abstracts, more than 5000 citations, and 66 invited lectures, which include podium presentations at scientific conferences; and

WHEREAS, Dr. Sthanam was part of the first group to explain the structural biology of human complement activation and also involved in inhibitor design for its regulation, was in the first group to explore Gram-positive bacterial adhesion to human tissues, and in one of the few groups that successfully explained the mechanics of Gram-positive pili assembly and anchoring at the atomic level; and

WHEREAS, Dr. Sthanam has been a consultant and member of the rational drug design team at BioCryst Pharmaceuticals Inc. 1998-2002 and 2018-present; and

WHEREAS, Dr. Sthanam has been the recipient of many honors throughout his career, confirming his exemplary service, including the Government of India Fellowship for Research in Sciences at the Indian Institute of Technology in Bombay, and Fellowship in the Robert Welch Foundation for Research in Science at Southern Methodist University; and

WHEREAS, Dr. Sthanam has strived to serve the academic community, disseminating accurate and progressive information by providing presentations at scientific conferences, and by serving as the ad hoc reviewer for the National Institute of Health AIDS Study Section, Structural Biology in 1999 and 2002, for the Wellcome Trust in 2000 and 2001, for the Arthritis Research Campaign in the UK in 2004, for the National Institute of Health Molecular Structure and Function Study Section in 2009 and 2013, and as manuscript reviewer for Nature, Science, JBC, EMBO journal, JMB, Structure, Nature Structural Biology, PloS One, Acta Cryst. C and D, FASEB and FEBS, and as guest editor for Infectious Disorders – Drug Targets in 2007-2009; and
WHEREAS, with memberships, awards, and numerous recognitions, Dr. Sthanam is one of the most accomplished and productive academicians at UAB, the School of Optometry and the UAB Administration wholeheartedly endorse recognition of his outstanding achievements with the additional title of Professor Emeritus;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of the University of Alabama that it approves appointment of Narayana V.L. Sthanam, Ph.D., as Professor Emeritus in the Department of Optometry and Vision Science, and the School of Optometry at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its appreciation to Dr. Sthanam for his dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution be spread upon the permanent minutes of this Board and that copies be given

Granting Approval of the Appointment of Peter M. Walsh, Ph.D., as Research Professor Emeritus in the Department of Mechanical Engineering at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB) and the School of Engineering, UAB wishes to acknowledge Peter M. Walsh, Ph.D. by appointing him as Research Professor Emeritus in the Department of Mechanical Engineering; and

WHEREAS, Dr. Walsh earned his Bachelor of Science in Chemistry in 1963 from Robert College, Istanbul, Turkey; his Master of Science degree in Chemistry in 1966 from Wesleyan University, Middletown, Connecticut; and his Doctor of Philosophy degree in Physical Chemistry in 1977 from Cornell University, Ithaca, New York; and

WHEREAS, Dr. Walsh served for seventeen years as Research Professor in the Department of Mechanical Engineering from 2002 to 2019; and served as the Dean’s representative on the Graduate Program Committee from 2014 to 2017; and

WHEREAS, Dr. Walsh consistently demonstrated his love for teaching and dedication to students; he taught Introduction to Heat Transfer, Combustion and Statistical Mechanics; he is an effective teacher and excellent instructor; he is admired and respected by his colleagues and students; and

WHEREAS, Dr. Walsh served as an invaluable and influential mentor to many PhD students as their academic advisor and committee chair; in addition, served on numerous Master and Undergraduate student committees; and

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WHEREAS, Dr. Walsh received many honors and awards for his service and dedication to teaching; he received the Dean’s Award for Excellence in Mentorship, from the UAB Graduate School in 2010; the President’s Award for Excellence in Teaching, from the UAB School of Engineering in 2011; and was a candidate for Educator of the Year, from the Engineering Council of Birmingham in 2014; and

WHEREAS, Dr. Walsh established in 2010 the UAB Caprock Integrity Laboratory with the focus of research on the suitability of underground geologic formations for permanent storage of carbon dioxide produced by combustion of fossil fuels for electric power generation; he is a well-respected researcher and has a national reputation in carbon dioxide remediation methods; and

WHEREAS, Dr. Walsh has participated in many successful research partnerships with the help of his graduate and undergraduate students with Advanced Resources International, Alabama Power Company, Montana State University, Oklahoma State University, Southern Company, and the Southern States Energy Board; and

WHEREAS, Dr. Walsh has made lasting contributions to the science and technology for control of air pollutant emissions from electric utility boilers and industrial furnaces; and

WHEREAS, Dr. Walsh has published many papers covering his years of research in combustion science; in addition, he presented numerous papers at symposiums across the U.S.; and

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Peter M. Walsh, Ph.D. as Research Professor Emeritus in the Department of Mechanical Engineering at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Walsh for his dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Walsh and to members of his family, and to other appropriate University officials.

Granting Approval of the Appointment of Mary L. Warren, Ph.D., as Associate Professor Emerita in the Department of Occupational Therapy in the School of Health Professions at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB), and the School of Health Professions, UAB wishes to
acknowledge Mary L. Warren, Ph.D. by appointing here as Associate Professor Emerita in the Department of Occupational Therapy in the School of Health Professions; and

WHEREAS, Dr. Warren earned her Bachelor of Science degree in Occupational Therapy in 1976 from the University of Kansas, her Master of Science degree in Education in 1981 from the University of Kansas, and her Doctor of Philosophy degree in 2012 in Health Education and Health Promotion from The University of Alabama at Birmingham; and

WHEREAS, Dr. Warren served as the Director of the Graduate Certificate in Low Vision Rehabilitation in the Department of Occupational Therapy from 2004 to 2018; and

WHEREAS, Dr. Warren served as the Co-Director of the Center for Low Vision Rehabilitation in the Department of Ophthalmology and Visual Sciences in the UAB School of Medicine; and

WHEREAS, Dr. Warren served for seventeen years as Assistant and Associate Professor in the UAB Department of Occupational Therapy from 2001 to 2018; and

WHEREAS, Dr. Warren, during her tenure at UAB, established the first, and for many years the only, graduate certificate program in the world for occupational therapists interested in becoming experts in interventions that address visual impairments in order to support occupational participation; and

WHEREAS, Dr. Warren mentored graduates from the graduate certificate program to become innovators and leaders in the low vision field in this country, as well as many other countries around the world; and

WHEREAS, Dr. Warren, was awarded the AOTA Award of Merit in 2019, that recognizes occupational therapists and occupational therapy assistants who have made notable contributions to the profession and its consumers in a focused area of occupational therapy practice; and

WHEREAS, Dr. Warren has consistently demonstrated her passion for teaching and dedication to students, and has ultimately served as an invaluable and influential mentor to students; and

WHEREAS, Dr. Warren provided leadership in the field of occupational therapy and visual impairment as illustrated by her unwavering dedication and focus on expanding the body of knowledge in low vision and solidifying the role of occupational therapy in this area of practice; and

WHEREAS, Dr. Warren is widely recognized as the authority in visual impairment and her advice, counsel and service are sought by many, including The United States Congress; and
WHEREAS, Dr. Warren received the Excellence in Teaching Award from the Envision Foundation in 2012; and

WHEREAS, Dr. Warren received the President’s Award for Excellence in Teaching Award in the School of Health Professions in 2010; and

WHEREAS, Dr. Warren received the Joseph Volker Award for Outstanding Faculty Member in the School of Health Professions in 2009;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Mary L. Warren, Ph.D. as Associate Professor Emerita in the Department of Occupational Therapy in the School of Health Professions at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Warren for her dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of the Board and that copies are given to Dr. Warren and to members of her family, and to other appropriate University officials.

Granting Approval of the Appointment of Diane E. Clark, PT, DScPT, MBA, as Associate Professor Emerita of Department of Physical Therapy at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB), School of Health Professions, and the Department of Physical Therapy, UAB wishes to acknowledge Diane E. Clark, PT, DScPT, MBA, by appointing her as Associate Professor Emerita of the Department of Physical Therapy; and

WHEREAS, Dr. Clark earned her Bachelor of Science degree in Physical Therapy from McGill University, Montreal, Canada in 1980; Master of Business Administration from Georgetown University in 1988; and Doctor of Science in Physical Therapy in 2007; and

WHEREAS, Dr. Clark served as the Director of the Doctor of Physical Therapy (DPT) Program in the Department of Physical Therapy (2013-2018); and

WHEREAS, Dr. Clark has served the community, hospital, department, school and university as a passionate physical therapist, educator, clinician, administrator and leader for a period of 38 years in total; and

WHEREAS, Dr. Clark, received the Excellence in Teaching Award through the School of Health Professions in 2013; and
WHEREAS, Dr. Clark served for eleven years as a faculty member in the Department of Physical Therapy (2007-2018) where she rose to the rank of Associate Professor and assumed the role of Director of the DPT Program; and

WHEREAS, Dr. Clark has consistently demonstrated her passion for teaching and dedication to students, and has ultimately served as an invaluable and influential mentor to students; and

WHEREAS, Dr. Clark, during her tenure as Director of the DPT Program, she led initiatives to revise the educational curriculum to incorporate innovative curricular threads including evidence-based practice management, personal leadership, the human movement system, and inter-professional collaboration; and

WHEREAS, Dr. Clark has served as the Chair of the Student Led Pro Bono Services Committee for Equal Access Birmingham since 2012; and

WHEREAS, Dr. Clark provided distinguished service to the School of Health Professions as a Task Force Member on International and Global Outreach (2007-2010); as a Board Member and Consultant for the Data and Safety Monitoring, NCI Rural Breast Cancer Survivor Project (2008-2018); as a Member of the Faculty Affairs Committee (2008-2013); as a Member of the Academic Affairs Committee (2015-2018); and, as a Member of the Faculty Affairs Committee, Subgroup Chair for Promotion and Tenure Review (2017-2018); and

WHEREAS, Dr. Clark served UAB as a Board Member for the Center for Disability Health and Rehabilitation Science (2015-2018); an Interdisciplinary Preceptor and Scientist for the Center for Healthy Aging (2011-2018); Senator for the Faculty Senate and a member of the Curriculum Committee (2011-2013); Senate Liaison for the Faculty Senate (2012-2013); served on the Editorial Board for the Newsletters of Interdisciplinary Continuing Education for the Center for Healthy Aging (2013-2015); was a member of the Office of Interprofessional Simulation, Debriefing Activities (2013 to 2018); served as a representative on the UAB Benevolent Fund (2015-2018); Physical Therapist Volunteer to the PATH Clinic (2015-2018); and, a representative for the Global Physical Therapy Day of Service (2015-2018); and

WHEREAS, Dr. Clark was the Secretary of the Alabama Physical Therapy Association (2015-present); served on the American Physical Therapy Association Large Health Systems Initiative Committee (2011-2015); has served as an Onsite Reviewer and Team Leader for the Commission on the Accreditation of Physical Therapy Education (2011-present); and, served as Vice-President of the Alabama Physical Therapy Association (2010-2013); and

WHEREAS, Dr. Clark was a Guest Editor for Topics in Geriatric Rehabilitation; Ad Hoc Reviewer for the Cardiopulmonary Physical Therapy Journal, European Journal of Physiotherapy, Physical Therapy Journal, Critical Care Nursing and Journal of Acute Care Physical Therapy; and
WHEREAS, Dr. Clark has a strong devotion for the Montreal Canadians and UAB Blazers Football; and

WHEREAS, Dr. Clark has a deep love for her family: her husband, Dr. David Freedman, who retired from the university in 2018 and their son, Alex, who literally grew up at the university;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Diane E. Clark, PT, DScPT, MBA, as Professor Emerita in the Department of Physical Therapy at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Clark for her dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Clark to share with members of her family, and to other appropriate University officials.

Granting Approval of the Appointment of Andra R. Frost, M.D., as Professor Emerita of Pathology in the Department of Pathology at UAB

RESOLUTION

WHEREAS, in special recognition of distinguished service to The University of Alabama at Birmingham (UAB) and the School of Medicine, the UAB administration wishes to acknowledge Andra R. Frost, M.D., by appointing her as Professor Emerita of Pathology in the Department of Pathology; and

WHEREAS, Dr. Frost earned her Bachelor of Arts degree in 1981 at The University of Tennessee, Knoxville and Medical Doctor degree in 1985 at The University of Alabama School of Medicine; and

WHEREAS, Dr. Frost completed her Anatomic and Clinical Pathology residency in 1985, Surgical Pathology fellowship in 1989 and Cytopathology fellowship in 1990 at George Washington University; and

WHEREAS, Dr. Frost served as a faculty member of UAB from 1997-2019 with a primary appointment in the Department of Pathology, Division of Anatomic Pathology and a secondary appointment in Cell Development and Integrative Biology; and

WHEREAS, during her tenure as faculty at UAB, Dr. Frost made numerous important contributions to the educational, service and research missions of the University; and
WHEREAS, Dr. Frost provided cytopathology, surgical and autopsy pathology expertise to the Anatomic Pathology service during her entire tenure at UAB, served as Head of Cytopathology from 1998 to 2001, founded the UAB Laser Capture Microdissection Laboratory in 1999 and served as its Director until 2010; and

WHEREAS, Dr. Frost provided cytopathology, surgical and autopsy pathology expertise to the Birmingham Veterans’ Administration Hospital from 1997-2013; and

WHEREAS, Dr. Frost was an instructor in the School of Medicine from 1998-2017, both in the medical school and Graduate Biomedical Sciences program (GBS), serving as Module Director in the Cellular and Molecular Pathology Courses from 2001-2017 and Course Director of the Cancer Pathobiology course from 2010-2007, and was nominated for the UAB President’s Award for Excellence in Teaching in 2013; and

WHEREAS, for 22 years, Dr. Frost taught cytopathology to residents and fellows, was Program Director for the Cytopathology Fellowship Training Program from 1998-2001, was Resident Training Coordinator for Cytopathology from 2010-2016, and received the Leonard H. Robinson Award for Excellence in Resident Education in Anatomic Pathology in 2013; and

WHEREAS, Dr. Frost has mentored numerous graduate students, undergraduate students, residents and fellows, served on thirty-nine thesis committees and was the primary mentor for three GBS doctoral students and four post-doctoral fellows; and

WHEREAS, Dr. Frost currently serves on the Editorial Boards of the Journal of Carcinogenesis and Mutagenesis and Experimental Hematology & Oncology, has been a member of six other editorial boards, was Lead Guest Editor for the International Journal of Breast Cancer, Guest Editor for the Open Breast Cancer Journal, Associate Editor for the Journal of Cancer Research and has been an ad hoc reviewer for multiple peer reviewed journals; and

WHEREAS, Dr. Frost served on several UAB Graduate Biomedical Science Program committees including the Admissions Committee and the Cancer Biology Theme Curriculum Committee, numerous clinical service related committees, copious Department of Pathology committees including Promotion and Tenure, Faculty Advisory, Research Advisory, Residency Program and the Search Committee for Chair, and was a member of the Tuskegee/UAB Research Training and Career Development Committee; and

WHEREAS, Dr. Frost has been a nationally prominent member of numerous professional societies, served on many committees representing the University and State of Alabama, was the ASCP Representative to the Intersociety Council on Pathology Information and the Breast SPORE Pathology Common Data Elements Committee at the NIH/NCI; and

WHEREAS, Dr. Frost has had a strongly funded research program since 2001 examining novel biomarkers in breast cancer, particularly the significance of the stromal microenvironment in the development and progression of breast cancer and recently
developed a novel patented 3D model of breast cancer in collaboration with faculty in the Department of Biomedical Engineering; and

WHEREAS, Dr. Frost authored or co-authored more than 116 peer reviewed manuscripts and seven (7) book chapters, published 100 abstracts, gave 20 presentations at national and international meetings and workshops, and presented eleven invited lectures;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it approves appointment of Andra R. Frost, M.D., as Professor Emerita of Pathology in the Department of Pathology at The University of Alabama at Birmingham.

BE IT FURTHER RESOLVED that this Board herein extends its deepest appreciation to Dr. Frost for her dedication and service to The University of Alabama at Birmingham, and to the people of this state and nation.

BE IT FURTHER RESOLVED that this Resolution is spread upon the permanent minutes of this Board and that copies are given to Dr. Frost and to members of her family, and to other appropriate University officials.

Granting Approval of the Appointment of Samantha Hansen, Ph.D., as the George Lindahl III, Endowed Professor in the College of Arts and Sciences at UA

RESOLUTION

WHEREAS, the College of Arts and Sciences recommends appointment of Dr. Samantha Hansen as the George Lindahl III Endowed Professor in the College of Arts and Sciences; and

WHEREAS, this appointment will begin on October 1, 2019; and

WHEREAS, Dr. Hansen received her Ph.D. in earth and planetary sciences in 2007 from The University of California, Santa Cruz; and

WHEREAS, Dr. Hansen is a world-renowned geophysicist conducting leading-edge research in Antarctica, Africa, the Middle East, Greenland, and the eastern Mediterranean, among other regions; and

WHEREAS, Dr. Hansen is a prolific author of peer-reviewed journal articles in the top publications in her field, including the discipline’s flagship journal, Geology; and

WHEREAS, Dr. Hansen has been awarded over $1,000,000 in external grants since being hired by The University of Alabama; and
WHEREAS, Dr. Hansen was awarded a National Science Foundation CAREER grant, among the most competitive of all federal funding awards, for her novel approaches to geophysical research into the geology of Antarctica; and

WHEREAS, Dr. Hansen was awarded by President Barack Obama the Presidential Early Career Award for Scientists and Engineers, one of the most prestigious awards given by the U.S. government to young researchers; she is the only faculty member at UA to be so honored; and

WHEREAS, Dr. Hansen was named a Kavli Fellow by the U.S. National Academy of Sciences, awarded to those considered the top young scientists in the nation; and

WHEREAS, Dr. Hansen was awarded a Fulbright fellowship to study the seismology of Greece, as well as an Antarctic Service medal; and

WHEREAS, Dr. Hansen is a leader in international scientific organizations, including serving as chair of the geophysics division of the Geological Society of America and is now serving on the Board of Directors of the Incorporated Research institutions for Seismology, among other offices; and

WHEREAS, Dr. Hansen is a gifted and respected teacher of students at all levels, serves as Undergraduate Program Director in her department, and has advised her graduate students toward productive careers as professional geoscientists;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Samantha Hansen as the George Lindahl III Endowed Professor in the College of Arts and Sciences beginning October 1, 2019.

Granting Approval of the Appointment of William J. Gonzenbach, Ph.D., as Professor Emeritus of the Department of Advertising and Public Relations in the College of Communication and Information Sciences at UA

RESOLUTION

WHEREAS, William J. Gonzenbach, Ph.D., will retire effective June 1, 2019, as Professor of Advertising and Public Relations after twenty-eight years of service to the College of Communication and Information Sciences and The University of Alabama; and

WHEREAS, Dr. Gonzenbach was hired by the College of Communication and Information Sciences in 1991 as an assistant professor, was promoted to associate professor in 1995, and promoted again to professor in 1998; and

WHEREAS Dr. Gonzenbach served as the chair of the Department of Advertising and Public Relations for nearly seven years, increasing the department’s size from 500 to
more than 1,000 students and setting the foundation for the Department being recognized as among the top programs in the United States; and

WHEREAS Dr. Gonzenbach served as managing editor and book review editor of the International Journal of Public Opinion Research, one of the top international publications examining public opinion formation; and

WHEREAS Dr. Gonzenbach served as associate director for applied research for the College’s Institute for Communication Research for 12 years, completing 102 applied and educational research studies; and

WHEREAS, Dr. Gonzenbach has authored two books, one book chapter, twenty-two scholarly refereed journal articles, seventy-four nonrefereed professional publications and project reports, and delivered 42 refereed scholarly papers at conventions of national and international scholarly associations; and

WHEREAS, Dr. Gonzenbach’s research has been recognized by his peers in the College of Communication with the Knox Hagood Faculty Award, recognized nationally as outstanding by the Direct Marketing Educational Foundation, and recognized internationally by Verein der Freunde und Forderer des Instituts für Publizistik an der Universität Mainz Grant; and

WHEREAS, Dr. Gonzenbach’s student advising has been recognized for excellence by multiple institutions and organizations, including Sigma Alpha Epsilon’s national Outstanding Advisor Award and the University of Alabama Office of Student Life’s Order of the Omega, Outstanding Greek Advisor; and

WHEREAS, Dr. Gonzenbach has been a superb teacher in settings that range from undergraduate courses to doctoral courses and his mentoring of numerous students has resulted in their maturation as public relations professionals and as scholars; and

WHEREAS, Dr. Gonzenbach’s teaching has been recognized as outstanding by the student members of the Kappa Tau Alpha Honor Society as he received their Outstanding Professor of the Year Award and also recognized with the Outstanding Commitment to Teaching Award by the College of Communication and Information Sciences Board of Visitors; and

WHEREAS, Dr. Gonzenbach has taught at least 500 students a year and in some years taught as many as 1,000 students, he has touched the lives of more than 12,000 students during his twenty-eight years at the University of Alabama; and

WHEREAS, Dr. Gonzenbach’s research productivity, his administrative leadership, his service to scholarly associations, his teaching and advising excellence have contributed to the Department of Advertising and Public Relations being ranked among the top five programs in the United States and has thereby improved the reputation of The University of Alabama’s College of Communication and Information Sciences;
NOW, THEREFORE, BE IT RESOLVED, by the Board of Trustees of The University of Alabama that it approves appointment of William J. Gonzenbach, Ph.D., as Professor Emeritus of the Department of Advertising and Public Relations in the College of Communication and Information Sciences at The University of Alabama.

BE IT FURTHER RESOLVED that it hereby expresses its appreciation to William J. Gonzenbach, Ph.D., for his exceptional contributions to his college, the University, and his academic field.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board and copies be sent to William J. Gonzenbach, Ph.D., and appropriate personnel of The University of Alabama.

Granting Approval of the Appointment of Steve Buchheit, Ph.D., as the Robert Roddye-Paul Garner Endowed Professorship of Accounting at UA

RESOLUTION

WHEREAS, the Culverhouse College of Business recommends appointment of Dr. Steve Buchheit as the Robert Roddy-Paul Garner Endowed Professorship in Accounting in the Culverhouse School of Accountancy; and

WHEREAS, this appointment will be from August 16, 2019 through August 15, 2024; and

WHEREAS, Dr. Buchheit received his Ph.D. from The University of Texas and maintains CPA certification; and

WHEREAS, Dr. Buchheit has an outstanding record of teaching in the Culverhouse School of Accountancy; and

WHEREAS, Dr. Buchheit has demonstrated leadership in incorporating international content in the accounting courses he teaches and prepares undergraduate students for future professional careers in accounting;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Steve Buchheit as the Robert Roddy-Paul Garner Endowed Professorship in Accounting in the Culverhouse School of Accountancy in the Culverhouse College of Business from August 16, 2019 to August 15, 2024 at The University of Alabama.

Granting Approval of the Appointment of Michael K. Bowman, Ph.D., as Professor Emeritus of Chemistry and Biochemistry in the Department of Chemistry and Biochemistry in the College of Arts and Sciences at UA
RESOLUTION

WHEREAS, Professor Michael Bowman retired from the department of chemistry and biochemistry on September 1, 2019, after over 12 years of distinguished service to the department as a researcher, teacher, mentor, and colleague; and

WHEREAS, Professor Bowman has been a noted scholar in the field of electron paramagnetic resonance spectroscopy, with over 160 peer-reviewed journal articles, 25 book chapters, and three books; and

WHEREAS, Professor Bowman’s scholarly contributions have made a significant impact in his field with over 4,700 citations of his research; and

WHEREAS, Professor Bowman has distinguished himself with important grants, including from the National Science Foundation and the National Institutes of Health; and

WHEREAS, Professor Bowman has received numerous international awards that have brought distinction to the University, including the 2016 International Zavoisky Award in Magnetic Resonance; and

WHEREAS, Professor Bowman has made substantial contributions not only to The University of Alabama department of chemistry and biochemistry but also to the profession, particularly the International EPR/ESR Society and the journals Applied Magnetic Resonance and Journal of Magnetic Resonance; and

WHEREAS, Professor Bowman has made a significant contribution to the teaching of physical chemistry at The University of Alabama, including the mentorship of undergraduate and graduate students and the development of improved physical chemistry lecture and laboratory courses; and

WHEREAS, Professor Bowman has committed himself throughout his career to the service of the College of Arts and Sciences, including chairmanship of the Graduate Committee and service on the College Tenure and Promotion committee; and to the department of chemistry and biochemistry, including service on the Graduate Committee, Instrumentation Committee, faculty search committees, and as Director of the EPR facility;

NOW, THEREFORE, BE IT RESOLVED by the faculty of the College of Arts and Sciences, including especially his colleagues and friends in the department of chemistry and biochemistry, that we officially express our deep and sincere appreciation and gratitude to Professor Michael K. Bowman for his contributions to the life of the department, the College, and the University and its students; to the state of Alabama; and to the advancement of the academic study of physical chemistry as taught in the public university.

BE IT FURTHER RESOLVED that we hereby recommend, endorse, and declare his deserved appointment as Professor Emeritus of Chemistry and Biochemistry by the College
of Arts and Sciences and The University of Alabama with all designated rights and privileges.

BE IT FURTHER RESOLVED that a copy of this resolution be recorded in the minutes of the College, become a matter of public record, and that copies be given to Professor Bowman and members of his family in grateful acknowledgement of his distinguished career as a scholar, teacher, administrator, and colleague.

Granting Approval of the Appointment of Steven Leonard Jacobs, D.D., D.H.L., as the Emeritus Aaron Aronov Endowed Chair in Judaic Studies at UA

RESOLUTION

WHEREAS, the College of Arts and Sciences recommends the appointment of Dr. Steven Leonard Jacobs as the Emeritus Aaron Aronov Endowed Chair in Judaic Studies; and

WHEREAS, Dr. Jacobs received his Doctor of Hebrew Letters degree in 1990 from Hebrew Union College (Cincinnati, OH) and his Doctor of Divinity degree in 1999 from Hebrew Union College (Los Angelies, CA), specializing in both the study of the texts of the ancient world as well as holocaust and genocide studies; and

WHEREAS, Dr. Jacobs was first appointed as an associate professor in the department of religious studies and the Aaron Aronov Endowed Chair in Judaic Studies in January 2001; and

WHEREAS, Dr. Jacobs is a recognized expert, cited internationally, for his scholarship on holocaust and genocide studies; and

WHEREAS, Dr. Jacobs published, while the holder of the Aaron Aronov Endowed Chair in Judaic Studies, no fewer than two single author monographs, three co-authored books, one collection of his own essays, as well as two multi-authored books and seven edited volumes; and

WHEREAS, Dr. Jacobs published, while the holder of the Aaron Aronov Endowed Chair in Judaic Studies, no fewer than 13 peer review essays, 13 invited articles, 11 refereed book chapters, 16 invited book chapters, as well as a host of encyclopedia entries; and

WHEREAS, Dr. Jacobs delivered, while the holder of the Aaron Aronov Endowed Chair in Judaic Studies, no fewer than: 24 invited public lectures, 11 invited conference presentations, and 16 conference presentations; and

WHEREAS, Dr. Jacobs taught nearly 100 courses while the holder of the Aaron Aronov Endowed Chair in Judaic Studies, including classes at the undergraduate, master's, and doctoral levels, thereby teaching, supervising, and mentoring both newcomers in need of introduction to the field as well as graduate students intent on specialization; and
WHEREAS, Dr. Jacobs established a well-earned reputation as a rigorous but caring and enthusiastic teacher while the holder of the Aaron Aronov Endowed Chair in Judaic Studies, one whose rapport with his students continues long after their graduation; and

WHEREAS, Dr. Jacobs continuously contributed to the life of the department, College, and University, as well as the wider Alabama community, through tireless service and leadership on committees and boards while the holder of the Aaron Aronov Endowed Chair in Judaic Studies; and

WHEREAS, Dr. Jacobs served as the Aaron Aronov Endowed Chair in Judaic Studies for over 18 years, earning the enviable distinction of having held this nationally-recognized academic position far longer than any of his distinguished predecessors;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Steven Leonard Jacobs as the Emeritus Aaron Aronov Endowed Chair of Judaic Studies, in the Department of Religious Studies.

Granting Approval of the Appointment of Robert Reed, Ph.D., for the Pam and Glenn Eubanks Endowed Professorship in Real Estate and Professional Services at UA

RESOLUTION

WHEREAS, the Culverhouse College of Business recommends appointment of Dr. Robert Reed for the Pam and Glenn Eubanks Endowed Professorship in Real Estate and Professional Services in the Culverhouse College of Business; and

WHEREAS, this appointment will be from August 16, 2019 through August 15, 2024; and

WHEREAS, Dr. Reed received his Ph.D. from Pennsylvania State University; and

WHEREAS, Dr. Reed has an outstanding record of research in real estate; and

WHEREAS, Dr. Reed demonstrates excellence in instruction;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Robert Reed for the Pam and Glenn Eubanks Endowed Professorship in Real Estate and Professional Services in the Culverhouse College of Business from August 16, 2019

Granting Approval of the Appointment of Daniel Levine, Ph.D., as the Aaron Aronov Endowed Chair in Judaic Studies in the College of Arts & Sciences at UA

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RESOLUTION

WHEREAS, the College of Arts and Sciences recommends appointment of Dr. Daniel Levine as the Aaron Aronov Endowed Chair in Judaic Studies, which was established in 1988; and

WHEREAS, this appointment will begin on October 1, 2019; and

WHEREAS, Dr. Levine received his Ph.D. in political science in 2009 from Johns Hopkins University, specializing in international relations and political theory; and

WHEREAS, Dr. Levine's book *Recovering International Relations* (2012) was published by Oxford University Press, the top university press in the discipline; and

WHEREAS, *Recovering International Relations* won both the Sussex International Theory Prize given by the Center for Advanced International Theory at the University of Sussex and the Yale H. Ferguson Award given by the International Studies Association-Northeast Region; and

WHEREAS, Dr. Levine is a prolific scholar in the field of international relations and Judaic studies, having published 14 journal articles, critical essays, and book chapters in the last eight years; and

WHEREAS, Dr. Levine was awarded the Kluge Fellowship at the Library of Congress in support of his current research into the political effect of Jewish fear; and

WHEREAS, Dr. Levine has excelled as a teacher, having taught 13 different graduate and undergraduate courses; and

WHEREAS, Dr. Levine has taught five distinct courses focused on the politics of Israel and Palestine; and

WHEREAS, Dr. Levine is dedicated to advancing the status of Judaic studies on The University of Alabama campus; and

WHEREAS, Dr. Levine is committed to strengthening the departments of political science and religious studies, the College of Arts and Sciences, and The University of Alabama in terms of high-quality research, teaching and external funding;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Daniel Levine as the Aaron Aronov Endowed Chair in Judaic Studies beginning October 1, 2019.

Granting Approval of the Appointment of Quinn Swanquist, Ph.D., to the Ernst & Young Professorship of Accounting at UA
RESOLUTION

WHEREAS, the Culverhouse College of Business recommends appointment of Dr. Quinn Swanquist as the EY Professor of Accounting; and

WHEREAS, this appointment will be from August 16, 2019 through August 15, 2024; and

WHEREAS, Dr. Swanquist received his Ph.D. from the University of Tennessee and is a Certified Public Accountant; and

WHEREAS, Dr. Swanquist has an outstanding record of teaching and has won previous teaching awards; and

WHEREAS, Dr. Swanquist has an outstanding research record and was nominated for the Culverhouse College of Business Early Achievement in Research Award in 2018 and 2019; and

WHEREAS, Dr. Swanquist has demonstrated his leadership to the profession, serving as a reviewer for the leading academic journals in his field;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The University of Alabama that it approves the appointment of Dr. Quinn Swanquist as the EY Professor of Accounting from August 16, 2019

Granting Approval of the Appointment of Phillip Westbrook, Ed.D., as Clinical Professor Emeritus in the Department of Educational Leadership, Policy, and Technology Studies in the College of Education at UA

RESOLUTION

WHEREAS, Philip Westbrook, Ed.D., has retired as clinical professor as of August 2019 after serving in the College of Education and the University since 2007; and

WHEREAS, Dr. Westbrook joined The University of Alabama as assistant professor in the Department of Educational Leadership, Policy, and Technology Studies; and prior to joining the department, Dr. Westbrook served as assistant superintendent of the Jasper City Schools in Alabama and Director of the Blackburn Institute at The University of Alabama; and

WHEREAS, Dr. Westbrook has over 29 years of experience as an elementary and middle teacher, assistant principal, principal, and assistant superintendent, director, and clinical assistant, associate, and full professor; and

WHEREAS, Dr. Westbrook has presented at professional meetings and school professional development sessions speaking on such topics as education finance, education
law, student and school safety, professionalism, leadership, and state of the states in relation to education; and

WHEREAS, Dr. Westbrook has taught courses in values and society; the limits of human knowledge; public policy issues in Alabama; principles of curriculum and instruction; leadership for communities; leadership for continuous improvement; human resource development; management of learning organizations; data-informed decision making; personnel administration; strategic leadership; leading learning through the curriculum; leading, developing, and mentoring adult learners; ethical, legal, and policy issues in schools; school finance and financial management; leadership and social systems; solving the problems of practice; dynamics of change; and instructional supervision; and

WHEREAS, Dr. Westbrook has published in journals such as the Journal of Education Finance, the Alabama Journal of Educational Leadership, Academic Leadership Live, the Alabama Journal of Mathematics; and in proceedings from the American Education Finance Association’s annual conference; and

WHEREAS, Dr. Westbrook has served the professional community by serving on the National Education Finance Academy as Board Member; on the president’s cabinet and grant review committee of the Walker Area Community Foundation; as board member of the Industrial Development Board of the City of Jasper; as advisory board member of the Walker Baptist Medical Center; as board member of the Walker County Arts Alliance; as board member of the ARC of Walker County; and as member of the Teachers’ Advisory Council for the Governor’s Task Force on education reform; and

WHEREAS, Dr. Westbrook has served The University of Alabama and the College of Education with service on the university clinical faculty committee; the undergraduate research conference committee; the 50th anniversary of the 1963 integration of UA planning committee; the Capstone Inspiring Educator Award selection committee; the COE faculty issues committee; and the College of Education assessment committee; and

WHEREAS, Dr. Westbrook received awards including the National Education Finance Academy Distinguished Research and Practice Fellow and as Alabama State Finalist for the Presidential Award for Excellence in Elementary Mathematics Teaching; and

WHEREAS, Dr. Westbrook holds a B.S. in elementary education from Birmingham-Southern College; an M.A.Ed. in early childhood and elementary education and a post-master’s studies in educational leadership from the University of Alabama-Birmingham; and an Ed.D. in educational leadership/school administration from Vanderbilt University;

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of The University of Alabama recognizes the outstanding accomplishments that Philip Westbrook has made in his career and for The University of Alabama and the College of Education.
BE IT FURTHER RESOLVED that the resolution be spread upon the permanent
minutes of the Board and that copies be sent to Clinical Professor Emeritus Philip
Westbrook and a copy be placed in the library of The University of Alabama.

Granting Approval of the Appointment of William A. Ulmer, as Professor
Emeritus of English in the Department of English in the College of Arts and
Sciences at UA

RESOLUTION

WHEREAS, Professor William A. Ulmer retired from the Department of English on
June 1, 2019, after 40 years of distinguished service to The University of Alabama as a
researcher, teacher, mentor, administrator, and colleague; and

WHEREAS, the faculty of the department of English voted on April 4, 2019, to
accord Professor Emeritus status to Professor Ulmer; and

WHEREAS, Professor Ulmer is a noted scholar in the field of British Romantic
poetry and poetics, having authored the monographs *Shelleyan Eros: The Rhetoric of
and *John Keats: Reimagining History* (Palgrave, 2017); having also co-edited *Ezra
Pound: The Legacy of Kulchur* (Alabama, 1988); and having published essays and reviews
in the major journals in his field; and

WHEREAS, Professor Ulmer has made significant contributions to the teaching of
literature at The University of Alabama, including the mentorship of hundreds of students
and the direction of six dissertation students; and

WHEREAS, Professor Ulmer has won distinguished awards for his teaching,
including The University of Alabama National Alumni Association’s Outstanding
Commitment to Teaching Award and appointment as a College of Arts and Sciences
Distinguished Teaching Fellow; and

WHEREAS, Professor Ulmer has provided exemplary service to The University of
Alabama through his service as chair of the department of English, director of the
University Honors Program, and director of undergraduate studies of the department of
English, among many additional service contributions;

NOW, THEREFORE, BE IT RESOLVED by the faculty of the College of Arts and
Sciences, including especially his colleagues and friends in the department of English, that
we officially express our deep and sincere appreciation and gratitude to Professor Ulmer
for his contributions to the life of the department, the College, and the University and its
students; to the state of Alabama; and to the advancement of the academic study of
literature as taught in the public university.
BE IT FURTHER RESOLVED that we hereby recommend, endorse, and declare Professor Ulmer’s appointment as Professor Emeritus of English by the College of Arts and Sciences and The University of Alabama with all designated rights and privileges.

BE IT FURTHER RESOLVED that a copy of this resolution be recorded in the minutes of the College, become a matter of public record, and that copies be given to Professor Ulmer and members of his family in grateful acknowledgement of his distinguished career as a scholar, teacher, administrator, and colleague.

Granting Approval of The Yetta G. Samford, Jr., Endowed Professorship in Legal Ethics at UA

RESOLUTION

WHEREAS, Yetta G. Samford Jr., deceased, formerly of Opelika, Alabama, funded a charitable remainder trust named the Yetta G. Samford Jr. Charitable Remainder Trust in 1996 to establish the Yetta Samford Chair of Law for the benefit of The University of Alabama School of Law. The remainder benefit of $710,042 has been distributed from the charitable remainder trust to The Board of Trustees of The University of Alabama to support faculty in The University of Alabama School of Law through the creation of the Yetta G. Samford Jr. Endowed Professorship in Legal Ethics; and

WHEREAS, the donor desired that this gift be accepted and maintained by The University of Alabama as a permanent fund to be named the Yetta G. Samford Jr. Endowed Professorship in Legal Ethics in The University of Alabama School of Law for the purposes and upon the conditions set out below:

1. The Yetta G. Samford Jr. Endowed Professorship in Legal Ethics shall be used to attract and/or retain a nationally recognized scholar and/or expert in the field of legal ethics who will make a difference in the quality of teaching and research in The University of Alabama School of Law. Earnings shall be used at the discretion of the Dean of the Law School with the approval of the President of the University for broad support of the teaching, service, and research efforts of the holder of the professorship, including, but not limited to, salary support, graduate research assistantships, research equipment, and support for research efforts.

2. Criteria and procedures for recruiting and selecting the professorship shall follow those set out in the most current edition of The University of Alabama Faculty Handbook regarding appointments to endowed chairs and professorships and shall be made in accordance with University policies and procedures adopted from time to time, subject to the approval of the Dean of The University of Alabama School of Law and the President of the University and coordinated with the Provost.
3. The donor intended that as many professorships as possible be awarded as earnings permit.

4. Persons or entities desiring to contribute to the Yetta G. Samford Jr. Endowed Professorship in Legal Ethics in The University of Alabama School of Law shall be free to do so provided they accept the conditions governing this fund; and

WHEREAS, Yetta G. Samford Jr. graduated from The University of Alabama School of Law with a LLB degree in 1949 and was admitted to the Alabama Bar in that year; and

WHEREAS, Mr. Samford served in the Alabama State Senate from 1958-1962, representing Lee and Russell counties and served on The University of Alabama Board of Trustees for 21 years from 1972-1993; and

WHEREAS, through this endowment, the donor wished to support faculty in The University of Alabama School of Law in perpetuity;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the generous contributions of the donor and establishes the Yetta G. Samford Jr. Endowed Professorship in Legal Ethics in The University of Alabama School of Law as a restricted endowed fund.

BE IT FURTHER RESOLVED that the initial gifts and any future contributions to this fund shall constitute an endowed corpus, which will be held, invested, maintained, and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowment earnings shall be used for needs that most closely relate to the donor's intent as stated herein, under the policies and procedures of the University adopted from time to time to regulate and administer such funds.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Granting Approval of the Appointment of Catherine E. Davies as Professor Emerita of English in the Department of English in the College of Arts and Sciences at UA

RESOLUTION

WHEREAS, Professor Catherine E. Davies retired from the department of English on August 1, 2019, after 30 years of distinguished service to The University of Alabama as a researcher, teacher, mentor, administrator, and colleague; and

WHEREAS, the faculty of the department of English voted on April 4, 2019, to accord Professor Emerita status to Professor Davies; and
WHEREAS, Professor Davies is a noted scholar in the field of linguistics, having authored nearly 50 papers, edited two volumes, given over 100 conference papers at meetings around the world, and won several significant grants; and

WHEREAS, Professor Davies has made significant contributions to the teaching of linguistics at The University of Alabama, including the mentorship of hundreds of students and the direction of nine theses and dissertations, as well as the development of an undergraduate interdisciplinary minor in linguistics, which she directed from its inception; and

WHEREAS, Professor Davies has provided exemplary service to The University of Alabama through her work as chair of the Department of English, director of the interdisciplinary minor in linguistics, director of the graduate program in Teaching English to Speakers of Other Languages, co-director of the Alabama at Oxford program, and director of graduate studies of the department of English, among many additional service contributions;

NOW, THEREFORE, BE IT RESOLVED by the faculty of the College of Arts and Sciences, including especially her colleagues and friends in the Department of English, that we officially express our deep and sincere appreciation and gratitude to Professor Davies for her contributions to the life of the department, the College, and the University and its students; to the state of Alabama; and to the advancement of the academic study of literature as taught in the public university.

BE IT FURTHER RESOLVED that we hereby recommend, endorse, and declare Professor Davies’ appointment as Professor Emerita of English by the College of Arts and Sciences and The University of Alabama with all designated rights and privileges.

BE IT FURTHER RESOLVED that a copy of this resolution be recorded in the minutes of the College, become a matter of public record, and that copies be given to Professor Davies and members of her family in grateful acknowledgement of her distinguished career as a scholar, teacher, administrator, and colleague.

Granting Approval of the Appointment of Francis C. Wessling, Jr., Ph.D., as Professor Emeritus in the Department of Mechanical and Aerospace Engineering in the College of Engineering at UAH

RESOLUTION

WHEREAS, Dr. Francis C. Wessling, Jr. has given 31 years of meritorious service to the Mechanical and Aerospace Engineering Department in the College of Engineering at The University of Alabama in Huntsville; and

WHEREAS, Dr. Wessling’s retirement became effective May, 2019; and

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WHEREAS, Dr. Wessling received a bachelor's degree in Mechanical Engineering in 1961 from Washington University (St. Louis), a master's degree in Mechanical Engineering in 1963 from University of New Mexico, and a doctoral degree in Mechanical Engineering in 1968 from University of Minnesota; and

WHEREAS, Dr. Wessling joined The University of Alabama in Huntsville as a Research Scientist in the Consortium for Materials Development in Space in 1984 after holding a faculty position at University of New Mexico; and

WHEREAS, Dr. Wessling joined the faculty of The University of Alabama in Huntsville as Professor in the Department of Mechanical and Aerospace Engineering in the College of Engineering in 1988; and

WHEREAS, Dr. Wessling has served as Department Chair of the Department of Mechanical and Aerospace Engineering in the College of Engineering at The University of Alabama in Huntsville from 1999 to 2003 and in 2007; and

WHEREAS, Dr. Wessling received the 2019 University of Alabama Huntsville College of Engineering Life-time Achievement Award, and is a Fellow of the American Society of Mechanical Engineers, and a Registered Professional Engineer in the State of Alabama; and

WHEREAS, Dr. Wessling throughout his years of service at The University of Alabama in Huntsville has contributed to the life of the institution through membership on many major college and university committees; and

WHEREAS, over the period of his service, Dr. Wessling has helped to maintain the standards of academic excellence in the Department of Mechanical and Aerospace Engineering, the College of Engineering, The University of Alabama in Huntsville, and the community;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it expresses deep gratitude to Dr. Francis C. Wessling, Jr. and that he be named Professor Emeritus in recognition of his leadership as a faculty member in the Mechanical and Aerospace Engineering Department, his effectiveness in the classroom, his expertise in research activities, his loyalty to The University of Alabama in Huntsville, and his service to The University of Alabama in Huntsville and the community.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board and that copies be sent to Christine W. Curtis, Provost and Executive Vice President for Academic Affairs, to Dr. Francis C. Wessling, Jr.

Granting Approval of the Appointment of David Stewart, Ph.D., as Associate Professor Emeritus of Art in the Department of Art, Art History and Design in the College of Arts, Humanities, and Social Sciences at UAH
RESOLUTION

WHEREAS, Dr. David Stewart has given thirty years of meritorious service to the Department of Art, Art History & Design in the College of Arts, Humanities & Social Sciences at The University of Alabama in Huntsville; and

WHEREAS, Dr. David Stewart's retirement became effective January 9, 2019 and

WHEREAS, Dr. David Stewart received a bachelor's degree in Philosophy in 1976 from University of South Carolina, a master's degree in Art History in 1980 from University of South Carolina, and a doctoral degree in Art History in 1988 from Boston University and

WHEREAS, Dr. David Stewart joined the faculty of The University of Alabama in Huntsville in 1989; and

WHEREAS, Dr. David Stewart has served as Assistant Professor and as Associate Professor in the Department of Art, Art History & Design in the College of Arts, Humanities, and Social Sciences at The University of Alabama in Huntsville; and

WHEREAS, Dr. David Stewart is a member of the Nineteenth Century Studies Association and Southeastern College Arts Conference; and

WHEREAS, Dr. David Stewart throughout his years of service at The University of Alabama in Huntsville has contributed to the life of the institution through membership on many major college and university committees; and

WHEREAS, over the period of his service, Dr. David Stewart has helped to maintain the standards of academic excellence in the Department of Art, Art History & Design, the College of Arts, Humanities, and Social Sciences, The University of Alabama in Huntsville, and the community;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it expresses deep gratitude to Dr. David Stewart and that he be named Associate Professor Emeritus in recognition of his leadership as a faculty member in the Department of Art, Art History & Design, his effectiveness in the classroom, his expertise in research activities, his loyalty to The University of Alabama in Huntsville, and his service to The University of Alabama in Huntsville and the community.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board.

Granting Approval of the Appointment of Andrée E. Reeves, Ph.D., as Associate Professor Emerita of Political Science in the Department of Political Science in the College of Arts, Humanities, and Social Sciences at UAH

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RESOLUTION

WHEREAS, Dr. Andrée E. Reeves has given 27 years of meritorious service to the Department of Political Science in the College of Arts, Humanities, and Social Sciences at The University of Alabama in Huntsville; and

WHEREAS, Dr. Reeves’ retirement became effective on July 31, 2019; and

WHEREAS, Dr. Reeves received a bachelor’s degree in French and Political Science in 1980 from The University of North Carolina at Chapel Hill, a master’s degree in Political Science in 1984, and a doctoral degree in Political Science in 1990 from Rice University; and

WHEREAS, Dr. Reeves joined the faculty of The University of Alabama in Huntsville in 1992 after holding a faculty position at Houston Community College; and

WHEREAS, Dr. Reeves has served as Internship Coordinator and as Faculty Advisor for the Political Science Club in the Department of Political Science in the College of Arts, Humanities, and Social Sciences at The University of Alabama in Huntsville; and

WHEREAS, Dr. Reeves received the 2001 UAH Foundation Distinguished Teaching Award, the 2008 UAH Student Government Association’s Outstanding Faculty Award, and the 2005 UAH Student Government Association’s Outstanding Faculty Award, as well as 2005 induction into Phi Kappa Phi Honor Society, 1998 induction into Alpha Lambda Delta Honor Society, and 1994 induction into Pi Sigma Alpha Honor Society; and

WHEREAS, Dr. Reeves throughout her years of service at The University of Alabama in Huntsville has contributed to the life of the institution through membership on many major college and university committees; and

WHEREAS, over the period of her service, Dr. Reeves has helped to maintain the standards of academic excellence in the Department of Political Science; the College of Arts, Humanities, and Social Sciences; The University of Alabama in Huntsville; and the community;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it expresses deep gratitude to Dr. Andrée E. Reeves and that she be named Associate Professor Emerita in recognition of her leadership as a faculty member in the Department of Political Science, her effectiveness in the classroom, her expertise in research activities, her loyalty to The University of Alabama in Huntsville, and her service to The University of Alabama in Huntsville and the community.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board and that copies be sent to Christine W. Curtis, Provost and Executive Vice President for Academic Affairs, to Dr. Reeves and placed in the M. Louis Salmon Library of The University of Alabama in Huntsville.
Trustee Humphrey reported that the Committee also approved three additional resolutions which were not on the Board agenda. Trustee Humphrey moved that the Board suspend the rules and amend the agenda in order to consider these resolutions. The motion, seconded by Trustee Phelps, carried.

Trustee Humphrey moved for their approval by the Board, and the following resolutions were unanimously adopted, separately and collectively:

**PowerPoint**

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**III GRANTING FINAL APPROVAL OF A MASTER OF ARTS (M.A.) DEGREE IN CULTURAL HERITAGE STUDIES (CIP CODE 30.1202) AT UAB**

The Board of Trustees reviewed a Notification of Intent to Submit a Proposal (NISP) for a Master of Arts (M.A.) degree in Cultural Heritage Studies (CIP Code 30.1202) at its June 8, 2018 meeting.

The Board of Trustees reviewed and granted initial approval of a full proposal for the Degree on June 6, 2019.

The Alabama Commission on Higher Education is scheduled to review and approve the Program based on a positive recommendation by the Commission’s staff at its September 13, 2019 meeting.

**Post-Implementation Requirements:**
1. Annual average new enrollment of at least 5
2. Annual average number of graduates of at least 3.75
3. An overall assessment report related to the program’s objectives and assessment measures

**ACTION REQUESTED:** That the Board of Trustees grants final approval of the Master of Arts (M.A.) degree in Cultural Heritage Studies (CIP Code 30.1202) at The University of Alabama at Birmingham.

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Granting Final Approval of a Master of Arts (M.A.) Degree in Cultural Heritage Studies (CIP Code 30.1202) at UAB

**RESOLUTION**

WHEREAS, on June 8, 2018, the Board of Trustees of The University of Alabama approved submission of a Notification of Intent to Submit a Proposal (NISP) for a Master of Arts (M.A.) Degree in Cultural Heritage Studies (CIP Code 30.1202); and

WHEREAS, on June 6, 2019, the Board of Trustees reviewed and granted initial approval of a full proposal for the Degree; and

WHEREAS, the Alabama Commission on Higher Education (ACHE) is scheduled to review and approve the Program based on a positive recommendation by the Commission’s staff at its September 13, 2019, meeting;

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NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it grants final approval of a Master of Arts (M.A.) Degree in Cultural Heritage Studies (CIP Code 30.1202) at The University of Alabama at Birmingham.

PowerPoint

III GRANTING FINAL APPROVAL OF A MASTER OF SCIENCE (M.S.) DEGREE IN HEALTH SERVICES RESEARCH (CIP CODE 51.9999) AT UAB

The Board of Trustees reviewed a Notification of Intent to Submit a Proposal (NISP) for a Master of Science (M.S.) degree in Health Services Research (CIP Code 51.9999) at its June 8, 2018 meeting.

The Board of Trustees reviewed and granted initial approval of a full proposal for the Degree on June 6, 2019.

The Alabama Commission on Higher Education is scheduled to review and approve the Program based on a positive recommendation by the Commission's staff at its September 13, 2019 meeting.

Post-Implementation Requirements:
1. Annual average new enrollment of at least 7
2. Annual average number of graduates of at least 3.75
3. An overall assessment report related to the program's objectives and assessment measures

ACTION REQUESTED: That the Board of Trustees grants final approval of the Master of Science (M.S.) degree in Health Services Research (CIP Code 51.9999) at The University of Alabama at Birmingham.

Granting Final Approval of a Master of Science (M.S.) Degree in Health Services Research (CIP Code 51.9999) at UAB

RESOLUTION

WHEREAS, on June 8, 2018, the Board of Trustees of The University of Alabama approved submission of a Notification of Intent to Submit a Proposal (NISP) for a Master of Science (M.S.) Degree in Health Services Research (CIP Code 51.9999); and

WHEREAS, on June 6, 2019, the Board of Trustees reviewed and granted initial approval of a full proposal for the Degree; and

WHEREAS, the Alabama Commission on Higher Education (ACHE) is scheduled to review and approve the Program based on a positive recommendation by the Commission's staff at its September 13, 2019, meeting;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it grants final approval of a Master of Science (M.S.) Degree in Health Services Research (CIP Code 51.9999) at The University of Alabama at Birmingham.
Granting Final Approval of a Master of Science (M.S.) Degree in Management Information Systems (CIP Code 52.1201) at UA

RESOLUTION

WHEREAS, on November 9, 2018, the Board of Trustees of The University of Alabama approved submission of a Notification of Intent to Submit a Proposal (NISP) for a Master of Science (M.S.) Degree in Management Information Systems (CIP Code 52.1201); and

WHEREAS, on June 6, 2019, the Board of Trustees reviewed and granted initial approval of a full proposal for the Degree; and

WHEREAS, the Alabama Commission on Higher Education (ACHE) is scheduled to review and approve the Program based on a positive recommendation by the Commission’s staff at its September 13, 2019 meeting;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it grants final approval of a Master of Science (M.S.) Degree in Management Information Systems (CIP Code 52.1201) at The University of Alabama.
Trustee Humphrey reported that the Committee reviewed seven information items.

Information Item

- Establishment of a 15-Hour Graduate Certificate in Research Laboratory Management (CIP Code 52.0214) at UAB
- Establishment of a 15-Hour Graduate Certificate in Research Communication (CIP Code 09.0908) at UAB
- Establishment of a 15-Hour Graduate Certificate in Information Technology (IT) Management (CIP Code 52.1201) at UAB
- Establishment of a 15-Hour Graduate Certificate in Cybersecurity Management (CIP Code 52.1201) at UAB
- Establishment of a 15-Hour Graduate Certificate in Business Analytics with Information Technology (IT) (CIP Code 52.1201) at UAB
- Discontinuation of the Cooperative Master of Arts (M.A.) in Anthropology (CIP Code 45.0201) at UA and UAB
- Establishment of a 15-17-Hour Undergraduate Certificate in Social Data Analysis (CIP Code 45.0101) at UAH

Pro tem Gray thanked Trustee Humphrey for her report and recognized Trustee W. Stancil Starnes for a report from the Audit, Risk, and Compliance Committee.

Trustee Starnes reported that the Committee met this morning and heard a presentation by PricewaterhouseCoopers on their 2019 Audit Service Plan and the results of 2018 OMB Uniform Guidance audits. No Committee action was required.

Pro tem Gray recognized Trustee Starnes for a report from the UAB Health System Board Liaison Committee.

Trustee Starnes reported that the Committee met this morning and considered four agenda items, which were approved by the Committee. Trustee Starnes moved for their approval by the Board, with Trustee Espy recusing himself from voting on item J.a. on
page 253 of the Board book, and the following resolutions were adopted, separately and collectively:

Approving Appointing individuals to serve on the Board of Directors for The Healthcare Authority for Baptist Health, an Affiliate of UAB Health System

RESOLUTION

WHEREAS, The Board of Trustees of The University of Alabama ("Board") established The Health Care Authority for Baptist Health, an Affiliate of UAB Health System ("HCA"); and

WHEREAS, the Board is a party to an Affiliation Agreement with UAB Health System and Baptist Health related to the operations of the HCA; and

WHEREAS, pursuant to the Affiliation Agreement, the Board appoints seven individuals to serve as HCA directors for a term of one year, commencing on September 1 of each year with the remaining six directors to be appointed by Baptist Health;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that it hereby appoints the following individuals to serve as HCA directors through August 2020

^ Selwyn Vickers, MD (UAB School of Medicine Dean)

*^ William Ferniany, PhD (UAB Health System CEO)

Dawn Bulgarella (UAB Health System CFO)

* James Edwards (Community representative)

* Vanessa Leonard (UA Trustee)

Ronne Brown (Community representative)

Benjamin Espy (Community representative)

* Executive Committee

^ Ex Officio (appointed by virtue of their employment relationship with UABHS)
Consideration of Resolution Appointing individuals to serve on the Board of Directors for CEHA, an Affiliate of UAB Health System

RESOLUTION

WHEREAS, the University of Alabama at Birmingham ("UAB") is one of the campuses of The Board of Trustees of The University of Alabama ("UA Board"); and

WHEREAS, the UA Board is the authorizing subdivision of UAB Callahan Eye Hospital Authority ("CEHA"), an Alabama university authority, which owns and operates The Callahan Eye Hospital; and

WHEREAS, three current directors on the CEHA Board of Directors are serving terms that will expire on September 30, 2019; and

WHEREAS, UAB President Ray L. Watts, M.D. has re-appointed Mr. Danny Markstein IV, Mr. Deak Rushton and Dr. Selwyn Vickers to serve additional three-year terms as directors of the CEHA Board of Directors;

NOW, THEREFORE, BE IT RESOLVED by the UA Board that it approves President Watts’ re-appointment of Mr. Danny Markstein IV, Mr. Deak Rushton and Dr. Selwyn Vickers to serve additional three-year terms as directors on the CEHA Board of Directors beginning on October 1, 2019.

Approving the Incorporation of the Cooper Green Mercy Health Services Authority, an Affiliate of UAB Health System and Authorizing the applicant to proceed to form the Authority by filing for record the articles of incorporation in accordance with provisions of §16-17A-4 of the Enabling Act

RESOLUTION

WHEREAS, a written application has been filed with The Board of Trustees of The University of Alabama (the “Board”) requesting the incorporation of a University Authority (the “Authority”) under the provisions of the University Authority Act of 2016, Ala. Code §16-17A-1 et seq., (the “Enabling Act”). The Authority is to be named the “Cooper Green Mercy Health Services Authority, an Affiliate of UAB Health System”. The application was accompanied by a form of articles of incorporation for the Authority; and

WHEREAS, the application and form of articles of incorporation are attached to this resolution as Exhibit S; and

WHEREAS, the Board has reviewed the contents of the application and the accompanying form of articles of incorporation; and
WHEREAS, the Board believes that the creation of the Authority is necessary to further the Board’s mission of promoting and supporting the health and educational interests of the people of the State of Alabama; and

WHEREAS, the Board has found and determined that the Authority will perform essential public functions on behalf of the State of Alabama, the UA Board, the County and other governmental entities in the State of Alabama and hereby declares its intent that, to the maximum extent permitted by law, the Authority shall enjoy all privileges and immunities available to the Board under the laws of the State of Alabama and all powers, privileges and immunities available to university authorities incorporated under the Enabling Act; and

WHEREAS, the Board has entered into a Master Agreement with Jefferson County, Alabama ("County"), which calls for the establishment of the Authority to operate the County’s Cooper Green Mercy Health Services ambulatory clinic that primarily serves the County’s indigent population; and

WHEREAS, the establishment of the Authority at this time will allow administrative requirements to be met for a closing under the terms of the Master Agreement, but the decision to consummate the transactions outlined in the Master Agreement will be approved by the Board at a later time;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, as follows:

1. The Board does hereby find and declare that it is necessary, desirable, and in the best interests of the Board that the Authority be formed and does hereby (i) approve the form of the Authority’s articles of incorporation and (ii) authorize the applicants to proceed to form the Authority by filing for record the articles of incorporation in accordance with provisions of §16-17A-4 of the Enabling Act.

2. The directors of the Authority shall be elected by the Board and shall serve for such term of office as provided in the proposed form of articles of incorporation. The Board hereby elects the following persons to serve as the initial directors of the Authority:

   Directors with Term Expiring on September 2020
   Joe Knight
   Tony Petelos
   Dr. Reagan Durant
   Kimberly Payne

   Directors with Term Expiring on September 2021
   John Henry
   Raheel Farough
   David Randall

The successors to the initial directors shall be elected as provided in the form of articles of incorporation. The Board hereby appoints David Randall to serve as President of the Authority.
3. Any person or persons designated and authorized by any such officer of the Board to act in the name and on behalf of the Board, or any one or more of them, are authorized to do and perform or cause to be done and performed in the name and on behalf of the Board such other acts, to pay or cause to be paid on behalf of the Board such related costs and expenses, and to execute and deliver or cause to be executed and delivered in the name and on behalf of the Board such notices, requests, demands, directions, consents, approvals, orders, applications, certificates, agreements, further assurances, or other instruments or communications, under the corporate seal of the Board, or otherwise, as they or any of them may deem necessary, advisable, or appropriate in order to carry into effect the intent of the provisions of this resolution.

Appointing individuals to serve on the Board of Directors for Medical West Board, an Affiliate of UAB Health System

RESOLUTION

WHEREAS, The Board of Trustees of the University of Alabama ("Board") established Medical West Hospital Authority, an Affiliate of UAB Health System (the "Authority") under the provisions of the University Authority Act of 2016, Ala. Code § 16-17A-1, et seq.; and

WHEREAS, the Board is the sponsoring university for the Authority and has the authority to appoint the board of directors of the Authority; and

WHEREAS, Article Eight of the Authority's Articles of Reincorporation states that the terms of the directors initially appointed as the board of directors of the Authority shall be staggered so that four directors shall serve for terms ending on September 30, 2018; four directors shall serve for terms ending on September 30, 2019 and three directors shall serve for terms ending on September 30, 2020; and

WHEREAS, Article Eight of the Authority's Articles of Reincorporation further states that each elected Director shall be eligible for reelection upon expiration of his or her term and the term of office for each successor elected director shall be three (3) years, commencing upon the expiration of such elected director's prior term; and

WHEREAS, pursuant to the requirements of the Articles of Reincorporation, the Western Health Services Foundation, at its most recent annual meeting, nominated Don Holmes and John Issis for reappointment to the Authority's board of directors and said appointment requires confirmation by the Board;

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA that the following individuals continue serving as Authority voting directors for a term lasting through September 30, 2022:

(1) Dana Keith,

(2) **Will Ferniany,
(3) Don Holmes, and
(4) John Issis.

NOW THEREFORE BE IT FURTHER RESOLVED BY THE BOARD OF TRUSTEES
OF THE UNIVERSITY OF ALABAMA that it confirms that the terms of the following
individuals as Authority voting directors shall last through September 30, 2020:

(1) Don Lilly,
(2) Barbara Humphrey, and
(3) Richard Brooks

** Appointed by virtue of employment relationship.

Pro tem Gray thanked Trustee Starnes and recognized Trustee Harris V. Morrissette
for a report from the Honorary Degrees and Recognition Committee.

Trustee Morrissette reported that the Committee met this morning and reviewed
five agenda items, which were unanimously approved by the Committee. Trustee
Morrissette moved for their approval by the Board, and the following resolutions were
unanimously adopted, separately and collectively:

Approving Naming Opportunities in the Culverhouse College of Business at
UA

RESOLUTION

WHEREAS, Kay M. Palan, Dean of the Culverhouse College of Business, desires to
undertake a fundraising plan in which deflatable portions of the Culverhouse College of
Business would be given donors’ names in compliance with Board Rules 104 and 411; and

WHEREAS, Dean Palan has submitted to Dr. Stuart Bell, President of The
University of Alabama, a list of naming opportunities and the gift amounts required for
each; and

WHEREAS, Dr. Bell recommends that the revised naming opportunities and gift
amounts be approved as part of the Culverhouse College of Business’s ongoing mission to
promote the education of students at The University of Alabama;
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the recommendation of Dr. Bell and approves the naming opportunities contained within this list.

BE IT FURTHER RESOLVED that the attached list detailing the revised naming opportunities and gift amounts is made a part of this resolution by reference.

BE IT FURTHER RESOLVED that, pursuant to Board Rule 411, all proposed namings resulting from the fundraising efforts shall be conditioned on Board approval, and shall be submitted to the Chancellor and the Board for approval in compliance with Board Rule 411.

BE IT FURTHER RESOLVED that, pursuant to Board Rule 104, no donor shall have a building named in his or her honor unless he or she has contributed the minimum amount to name a building, room, or space as stipulated in Board Rule 411, unless the Board finds special need for making an exception.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board.

Approving Naming Opportunities in Hardaway Hall at UA

RESOLUTION

WHEREAS, Charles L. Karr, Dean of the College of Engineering, desires to undertake a fundraising plan in which definable portions of Hardaway Hall would be given donors’ names in compliance with Board Rules 104 and 411; and

WHEREAS, Dean Karr has submitted to Dr. Stuart Bell, President of The University of Alabama, a list of naming opportunities and the gift amounts required for each; and

WHEREAS, Dr. Bell recommends that the naming opportunities and gift amounts be approved as part of the College of Engineering’s ongoing mission to promote the education of students at The University of Alabama;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the recommendation of Dr. Bell and approves the naming opportunities contained within this list.

BE IT FURTHER RESOLVED that the attached list detailing the naming opportunities and gift amounts is made a part of this resolution by reference.

BE IT FURTHER RESOLVED that, pursuant to Board Rule 411, all proposed namings resulting from the fundraising efforts shall be conditioned on Board approval, and shall be submitted to the Chancellor and the Board for approval in compliance with Board Rule 411.

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BE IT FURTHER RESOLVED that, pursuant to Board Rule 104, no donor shall have a building named in his or her honor unless he or she has contributed the minimum amount to name a building, room, or space as stipulated in Board Rule 411, unless the Board finds special need for making an exception.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board.

Approving the Naming of the Laurie Faulkner Hereford Faculty-Staff Workroom in Little Hall at UA

RESOLUTION

WHEREAS, Laurie F. Hereford of Mountain Brook, Alabama, has contributed $15,000 to The Board of Trustees of The University of Alabama to support the School of Social Work at The University of Alabama; and

WHEREAS, Laurie F. Hereford earned a bachelor of social work degree from The University of Alabama in 1986; and

WHEREAS, in accordance with Board Rules 104 and 411, and in recognition of Mrs. Hereford's generous support of the School of Social Work at the University, Dr. Stuart R. Bell, President of The University of Alabama, recommends that the first-floor workroom in Little Hall be named the Laurie Faulkner Hereford Faculty-Staff Workroom.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the recommendation of the President, and names the first-floor workroom in Little Hall the Laurie Faulkner Hereford Faculty-Staff Workroom.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving the Naming of the Jimmy Koikos Grab-n-Go in the Mal M. Moore Athletic Facility at UA

RESOLUTION

WHEREAS, William R. Battle III and Mary C. Battle of Tuscaloosa, Alabama have pledged to contribute $25,000 to the Crimson Tide Foundation to support Intercollegiate Athletics at The University of Alabama and to honor Mr. James B. Koikos; and

WHEREAS, James B. Koikos attended The University of Alabama from 1958 to 1962, and is an honorary member of the A-Club; and
WHEREAS, Mr. Koikos, co-owner of the Bright Star restaurant in Bessemer, Alabama, has hosted various Alabama Athletics coaches and athletes at his iconic restaurant; and

WHEREAS, Mr. Koikos created special booths at his restaurant in honor of Coach Bear Bryant and Coach Nick Saban; and

WHEREAS, Mr. Koikos and his family are life-long supporters of Alabama Athletics; and

WHEREAS, in accordance with Board Rules 104 and 411, and in recognition of Mr. and Mrs. Battle’s generous support of Intercollegiate Athletics at the University, Dr. Stuart R. Bell, President of The University of Alabama, recommends that the Grab-n-Go in the Mal M. Moore Athletic Facility be named the Jimmy Koikos Grab-n-Go.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the recommendation of the President, and names the Grab-n-Go in the Mal M. Moore Athletic Facility the Jimmy Koikos Grab-n-Go.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Resolution Accepting Gifts and Pledges from Various Donors, Expressing Appreciation, and Establishing Naming Opportunities on behalf of the Football Operations Building at UAB

RESOLUTION

WHEREAS, on June 17, 2016, The Board of Trustees of The University of Alabama approved the final project budget and provided authorization to execute construction contracts for the Football Operations Building at The University of Alabama at Birmingham (UAB); and

WHEREAS, the University began a fundraising campaign in which definable portions of the building would be given donors’ names, and since the opening of the building, several additional gifts have been received; and

WHEREAS, pursuant to Board Rule 411, these gifts and pledges meet and/or exceed the minimum requirement for naming opportunities, and UAB officials request the acceptance of the gifts and pledges in recognition of the donors, separately and severally, per the attached spreadsheet;

NOW, THEREFORE, BE IT RESOLVED, by The Board of Trustees of The University of Alabama that it hereby accepts with gratitude these generous gifts and pledges and herewith establishes these naming opportunities on behalf of the Football Operations Building at UAB.
BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies be sent to Mr. Mark Ingram, Athletics Director, and to other appropriate officials of The University of Alabama at Birmingham.

Pro tem Gray thanked Trustee Morrissette for his report and recognized Trustee Karen P. Brooks for a report from the Nominating Committee.

Trustee Brooks reported that the Nominating Committee met this morning and reviewed two items. The first item of business was the election of a Trustee to the Sixth District due to the expiration of the term. The Committee unanimously approved and recommended the election of Trustee Vanessa Leonard to the Sixth District for the Board to consider.

Pro tem Gray asked Board Secretary Sid Trant to distribute ballots for the election of a Trustee to the Sixth Congressional District. After collecting and calculating the results of the ballots, Secretary Trant provided same to Pro tem Gray.

Pro tem Gray announced the Board’s unanimous election of Trustee Vanessa Leonard to a full, six-year term, effective September 2019, representing the Sixth Congressional District.

Trustee Brooks said the next item of business was the election of a President pro tem of the Board of Trustees. Board bylaws stipulate that the Board shall elect a pro tem who shall not serve for more than three, one-year terms in succession. Trustee Brooks said Trustee Gray has served the past two years as pro tem and was eligible for re-election. The Committee unanimously recommended the election of Trustee Ronald W. Gray as President pro tem of The Board for a one-year term.
On the Motion of Trustee Brooks, seconded by Trustee Urquhart, the Board unanimously approved Trustee Ronald W. Gray to serve a one-year term as President pro tem of The Board of Trustees.

Pro tem Gray thanked Trustee Brooks for her report. He then thanked the Board for their approval of him as President Pro tem and said: “It is an incredible honor to work with each of you every day and I am honored to serve in this role for another year. Thank you very much.”

Pro tem Gray recognized Dr. Yardley Bailey and asked that he come forward. Dr. Bailey was presented with a memento for his years of service.

Pro tem Gray recognized Matt Calderone and asked that he come forward. Matt was presented with a memento for his years of service.

Pro tem Gray then recognized special guest General John R. Vines. Pro tem Gray said General Vines is a 1971 University of Alabama graduate who will receive a special honor of a flag presentation at tomorrow’s football game. General Vines, a native of Bessemer, Alabama, is a former Commander of 178,000 coalition troops in Iraq, Commander of a 10,000 man joint task force in Afghanistan, Commander of the 18,000 man 82nd Airborne Division, and Commander of the 4th Battalion, 325th Airborne Infantry Regiment during Operations Desert Shield and Desert Storm and its airborne assault in Panama during Operation Just Cause.

Pro tem Gray said: “Few Army Officers, if any, can claim such an illustrious resume. As far as we can determine, he is only the second University alumnus to attain the rank of three-star General. He has earned numerous military decorations. Because of his numerous combat commands and hands-on style, he has been an outstanding role model and mentor for younger officers. At his retirement ceremony in 2007, it was said that, for the next 20 years, combat arms commanders will look, act, and lead like John Vines. We are honored to
have you here today, General Vines. Representatives of our ROTC detachments, campus veterans and a few of the General’s friends will be joining us for lunch today so I hope you will have a chance to meet him.”

Pro tem Gray recognized the party that accompanied General Vines and thanked them for being here. He said, “Welcome home, General Vines.”

Pro tem Gray reported that the Administrative Action Items are normally acted on as a unit. On the motion of Trustee Urquhart, seconded by Trustee Malone, the items were unanimously approved.

Accepting gift of Alabama Power Foundation of Birmingham, Alabama, expressing appreciation, and establishing The Alabama Power Endowed Innovation and Talent Retention Fund at UA

RESOLUTION

WHEREAS, Alabama Power Foundation of Birmingham, Alabama, has contributed $1,400,000 to The Board of Trustees of The University of Alabama to promote research and economic development at The University of Alabama; and

WHEREAS, the donor desires that this gift be accepted and maintained by The University of Alabama as a permanent fund to be named the Alabama Power Endowed Innovation and Talent Retention Fund for the purposes and upon the conditions set out below:

1. Endowment earnings shall be used to provide key discretionary support for the University. Uses for the endowment earnings may include, but not be limited to, strategically lead business community and campus-wide partners to address the concepts of innovation, entrepreneurship and talent retention.

2. Earnings shall be expended by the Vice President for Research and Economic Development in accordance with University policies and procedures adopted from time to time, subject to the approval of the President of the University.

3. Persons or entities desiring to contribute to the Alabama Power Endowed Innovation and Talent Retention Fund shall be free to do so provided they accept the conditions governing this fund; and
WHEREAS, the Alabama Power Foundation is funded by donations from the Alabama Power shareholders and benefits Alabama residents through a number of different initiatives; and

WHEREAS, through this endowment, the donor wishes to support research and economic development at The University of Alabama in perpetuity;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the generous contribution of the donor and establishes the Alabama Power Endowed Innovation and Talent Retention Fund as a restricted endowed fund.

BE IT FURTHER RESOLVED that the initial gift and any future contributions to this fund shall constitute an endowed corpus, which will be held, invested, maintained, and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowment earnings shall be used for needs that most closely relate to the donor's intent as stated herein, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving Revision of the Quin E. Flowers Sr. and Clara S. Flowers Foundation Endowed Scholarship at UA

RESOLUTION

WHEREAS, the Quin E. Flowers Jr. Endowed Scholarship was established by action of The Board of Trustees of The University of Alabama on June 8, 2018, through a duly adopted resolution utilizing gifts contributed by Quin E. Flowers Jr. of Dothan, Alabama; and

WHEREAS, Mr. Flowers requests that The Board of Trustees of The University of Alabama revise the purpose and the name of the fund; and

WHEREAS, in addition, the Division of Advancement at The University of Alabama requests the resolution be revised to reflect current University policies and procedures and to conform to University of Alabama standard language and editorial style;

NOW, THEREFORE, BE IT RESOLVED THAT, as a result of these changes, the revised resolution shall read as follows:
WHEREAS, Quin E. Flowers Jr. of Dothan, Alabama, contributed gifts to The Board of Trustees of The University of Alabama to promote the education of students at The University of Alabama; and

WHEREAS, these gifts have been placed in the Quin E. Flowers Sr. and Clara S. Flowers Foundation Endowed Scholarship fund and shall be maintained for the purposes and upon the conditions set out below:

1. Priority of consideration shall be given to students enrolled at The University of Alabama, Tuscaloosa campus, and demonstrate financial need, although not necessarily need as defined by federal guidelines.

2. Recipients shall be determined by the standing scholarship committee of The University of Alabama. Decisions of the committee shall be made in accordance with University policies and procedures adopted from time to time, subject to the approval of the President of the University, and coordinated with the Office of Admissions or such University office designated by the President for coordination of such awards.

3. Persons or entities desiring to contribute to the Quin E. Flowers Sr. and Clara S. Flowers Foundation Endowed Scholarship shall be free to do so provided they accept the conditions governing this fund; and

WHEREAS, through this endowment, the donor wishes to support academic excellence at The University of Alabama in perpetuity;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby adopts the conditions described herein for future governance of the Quin E. Flowers Sr. and Clara S. Flowers Foundation Endowed Scholarship, a restricted endowed fund.

BE IT FURTHER RESOLVED that the initial gift and all past and future contributions to this fund shall constitute an endowed corpus, which will be held, invested, maintained, and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowment earnings shall be used for needs that most closely relate to the donor's intent as stated herein, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.
Approving Revision of the Jean and Larry Kloess, Jr. Endowed Scholarship at UA

RESOLUTION

WHEREAS, the Jean and Larry Kloess, Jr. Endowed Scholarship was established by action of The Board of Trustees of The University of Alabama on September 15, 2017, through a duly adopted resolution utilizing gifts contributed by Eugenia Underwood Kloess and Lawrence Herman Kloess of Montgomery, Alabama; and

WHEREAS, Colonel Kloess requests that The Board of Trustees of The University of Alabama revise the purpose of the fund; and

WHEREAS, in addition, the Division of Advancement at The University of Alabama requests the resolution be revised to reflect current University policies and procedures and to conform to University of Alabama standard language and editorial style;

NOW, THEREFORE, BE IT RESOLVED THAT, as a result of these changes, the revised resolution shall read as follows:

WHEREAS, Colonel Lawrence Herman Kloess, Jr. of Montgomery, Alabama, has contributed $26,559, including earnings, to The Board of Trustees of The University of Alabama to promote the education of students at The University of Alabama; and

WHEREAS, these gifts have been placed in the Jean and Larry Kloess, Jr. Endowed Scholarship fund and shall be maintained for the purposes and upon the conditions set out below:

1. Priority of consideration shall be given to students who are members of Theta Chi Fraternity and who demonstrate financial need, although not necessarily need as defined by federal guidelines. If there are no students who fit this criteria, consideration shall be given to any student who demonstrates financial need, although not necessarily need as defined by federal guidelines. Recipients shall be selected in accordance with the procedures developed in compliance with Title IX of the Education Amendments of 1972 and the regulations promulgated thereunder.

2. Recipients shall be determined by the standing scholarship committee of the Division of Student Life. The committee may include the Vice President for Student Life or his/her designee. Decisions of the committee shall be made in accordance with University policies and procedures adopted from time to time, subject to the approval of the Dean of the College and the President of the University, and coordinated with the Office of Admissions or such University office designated by the President for coordination of such awards.
3. Persons or entities desiring to contribute to the Jean and Larry Kloess, Jr. Endowed Scholarship at The University of Alabama shall be free to do so provided they accept the conditions governing this fund;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby adopts the conditions described herein for future governance of the Jean and Larry Kloess, Jr. Endowed Scholarship, a restricted endowed fund.

BE IT FURTHER RESOLVED that the initial gift and all past and future contributions to this fund shall constitute an endowed corpus, which will be held, invested, maintained, and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowment earnings shall be used for needs that most closely relate to the donor’s intent as stated herein, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving Conversion and Renaming of the Carrie and Don Marshall Conference Center to the Marshall Center at UAB

RESOLUTION

WHEREAS, on June 16, 1983, The Board of Trustees of The University of Alabama approved the naming of the UAB Conference Center as the Carrie and Don Marshall Conference Center at The University of Alabama at Birmingham (UAB); and

WHEREAS, it is now the desire of the UAB administration that the Center be renamed the Marshall Center to remain consistent with functions of the facility, which reflects an emphasis on fundraising events and open social activities hosted by student organizations and UAB-wide student programs; and

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it herewith approves renaming of the Carrie and Don Marshall Conference Center to the Marshall Center at UAB.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies or any parts of it be sent to appropriate officials of The University of Alabama at Birmingham.

Approving Conversion and Renaming of the Vettes-4-Vets Endowed Award to the Vettes-4-Vets Endowed Scholarship at UAB
RESOLUTION

WHEREAS, on April 12, 2013, The Board of Trustees of The University of Alabama accepted a generous gift of $10,000 from Vettes-4-Vets, and approved the establishment of the Vettes-4-Vets Endowed Award at The University of Alabama at Birmingham (UAB); and

WHEREAS, now, contributions totaling $20,529 from Vettes-4-Vets have been received, bringing the endowment corpus to a total of $30,529 which exceeds the Board minimum for an endowed scholarship; and

WHEREAS, it is the wish of the donor that this endowment be converted and renamed to an endowed scholarship; and

WHEREAS, the partnership between UAB and Vettes-4-Vets will continue to provide educational and financial support to our military men and women and be critical to their ability to achieve a higher education following their military career; and

WHEREAS, the ongoing contributions of this endowment to the training and education of the deserving students and veterans who benefit from it may be expected to be of significant and enduring value to those individuals’ lives and the lives of all those they touch throughout their careers and, therefore, to the University and the community;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts with gratitude these additional generous gifts and herewith approves the conversion and renaming of The Vettes-4-Vets Endowed Award to The Vettes-4-Vets Endowed Scholarship, a pure endowment of the University.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies or any parts of it be sent to Mr. Mark Davis, Chairman of Vettes-4-Vets, to share with members of the organization; to Dr. Pam Benoit, Senior Vice President of Academic Affairs and Provost; and to other appropriate officials of The University of Alabama at Birmingham.

Approving Endowed Funds at UA

RESOLUTION

WHEREAS, in compliance with Board Rule 411, the President of The University of Alabama recommends that the following funds, having met the minimum standards for endowed gifts, be endowed as part of the University’s ongoing mission to promote the education of students and to provide quality programs in the areas of teaching, research, and service:

Friends and family have contributed $35,500 in memory of the late Michael W. Adcock to endow the Michael W. Adcock Endowed Scholarship. To the extent permitted by law, the scholarship will benefit students with a declared major or minor in political
science, whose enrollment would enhance the diversity of the student population in the Honors College, thereby improving the quality of the educational experience and product in the Honors College, and who demonstrate financial need, although not necessarily need as defined by federal guidelines. Earnings from this fund will be made available for students participating in summer internship programs in Washington D.C.

Lisa Ann Copeland of Birmingham, Alabama, has contributed $27,502.95, including earnings, to endow the Elizabeth Williams Copeland Endowed Scholarship to honor the memory of her mother, Mary Elizabeth Williams Copeland. The scholarship will benefit full-time students enrolled in the College of Human Environmental Sciences who demonstrate academic achievement and financial need, although not necessarily need as defined by federal guidelines.

Drummond Company, Inc. of Birmingham, Alabama, has contributed $50,000 toward a pledge of $150,000 to endow the Drummond Company Government Travel Experience Endowed Fund. The fund will be used to provide key discretionary support for the Blackburn Institute in the Division of Student Life. The support fund earnings will be used for a variety of purposes in support of the program’s mission, including, but not limited to, support of student travel experiences in Montgomery, Alabama, and Washington, D.C., internships with high-ranking elected officials and directors, and the purchase of supplemental reading materials such as books, articles and news journals.

Friends and family of Walter W. Gary Jr. have contributed $22,965.09, including earnings, and the University Supply Store has contributed an additional $10,332.56 through proceeds from t-shirt sales to endow the Walt Gary Endowed Scholarship in Special Education. The scholarship will benefit junior or senior level students who are enrolled in the College of Education, are majoring in special education and possess a 3.0 or higher grade point average on a 4.0 scale.

Bill Jones and Walker Jones of Birmingham, Alabama, have contributed $44,000 toward a pledge of $220,000 to endow the Walker and Bill Jones Endowed Fund for First Generation Success. The fund will be used to provide key discretionary support for the Culverhouse College of Business at the University. The support fund earnings will be used for a variety of purposes in support of the program’s mission, including, but not limited to, promoting the success of first-generation students by funding corporate road trips, seminars, counseling, internships and attire.

The Semmes Foundation, Inc. of San Antonio, Texas, has contributed $300,000 to endow the Walter B. Jones Endowed Eminent Scholarship. The scholarship will benefit graduate or undergraduate students who are majoring in geology, and who have demonstrated academic excellence and financial need, although not necessarily need as defined by federal guidelines. Second priority of consideration will be given to students who meet the above criteria and are majoring in geography. The scholarship may be renewable for each of the subsequent years of a recipient’s education provided the recipient maintains a 3.0 grade point average on a 4.0 scale and remains enrolled in the College of Arts and Sciences and continues to major in geology or geography.
Members of the Planned Giving Advisory Council have contributed $25,000 to endow the Planned Giving Advisory Council Endowed Support Fund for the College of Human Environmental Sciences. The fund will be used to provide key discretionary support for the Family Financial Planning and Counseling Program in the College of Human Environmental Sciences at the University. The support fund earnings will be used for a variety of purposes in support of the program’s mission, including, but not limited to, travel expenses and any other expenses related to internships.

Bette Smith Ferguson, deceased, formerly of Tuscaloosa, Alabama, has contributed the remainder interest of a charitable gift annuity totaling $103,691.51 to endow the Ruth Davis Smith Endowed Scholarship. The scholarship will benefit undergraduate or graduate students who are enrolled in academic degree programs facilitated through the College of Continuing Studies, who exhibit academic excellence, and who demonstrate financial need, although not necessarily need as defined by federal guidelines.

Friends and family of the late Lurener Isaac Speight, formerly of Livingston, Alabama, have contributed $26,804.82, including earnings, to endow the Lurener Isaac Speight Endowed Scholarship. The scholarship will benefit freshmen students who are enrolled in the College of Education, who graduated from a high school within the Sumter County, Alabama, public school system, and who meet the minimum scholarship requirements to attend The University of Alabama. Second priority of consideration shall be given to freshmen students who have graduated from a high school within the Sumter County, Alabama, public school system and who meet the minimum scholarship requirements to attend The University of Alabama. The donor intends for this scholarship to primarily help incoming freshmen in their first years of school. However, if there are no other qualified applicants, the scholarship may be awarded to upper-division students within the College of Education who have graduated from a high school within the Sumter County, Alabama, public school system. The donor requests that graduates of charter schools within Sumter County, Alabama, not be awarded this scholarship. The donor desires that only one scholarship be given if the earnings for the scholarship are less than $2,000 and all scholarships be a minimum of $1,000 if two or more scholarships are given in an academic year.

The Tuscaloosa Rotary Memorial Foundation of Tuscaloosa, Alabama, has contributed $28,405.32 to endow the Tuscaloosa Rotary Memorial Foundation Endowed Support Fund. The support fund earnings will be used for a variety of purposes in support of the mission of the Rotary International House, including, but not limited to, promoting international travel and activities that promote international understanding and friendships, scholarships and capital improvements.

William Cary Williamson of Myrtle Beach, South Carolina, has contributed $100,000 toward a pledge of $1,000,000 to endow the William Cary Williamson Endowed Engineering Scholarship. The scholarship will benefit students who are enrolled in the College of Engineering, who graduate from any high school in the state of Alabama with a ranking in the top 5% of their high school class, and who demonstrate financial need, although not necessarily need as defined by federal guidelines. The scholarship may be renewable for each of the subsequent years of a recipient’s undergraduate education.
provided the student maintains a 3.0 or higher grade point average on a 4.0 scale, the scholarship committee deems the recipient’s performance and academic progress satisfactory, and the recipient remains enrolled in the College of Engineering.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the generous contributions of the donors and establishes the endowed funds listed above.

BE IT FURTHER RESOLVED that the initial gifts and all future contributions to these funds shall constitute endowed corpora, which will be held, invested, maintained and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowments’ earnings shall be used for needs that most closely relate to the donors’ intent as stated in each fund’s memorandum of agreement, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that the donors and/or donor representatives for the funds listed above be notified that the funds have been endowed in perpetuity.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving Endowed Funds at UAB

RESOLUTION

WHEREAS, in compliance with Board Rule 411, the President of The University of Alabama at Birmingham recommends that the following funds, having met the minimum standards for endowed gifts, be endowed as part of the University’s ongoing mission to promote the education of students and to provide quality programs in the areas of teaching, research, and service:

Members of The Alliance for LGBTQ Equality at UAB have given $32,557 for the establishment of The Alliance for LGBTQ Equality at UAB Endowed Scholarship. This scholarship will support deserving students who demonstrate service to the LGBTQ community.

Dr. Eugene V. Ball of Mountain Brook, Alabama, has given $50,000 for the establishment of the S. Louis Bridges, M.D., Ph.D., Endowed Support Fund in Clinical Immunology and Rheumatology. This tribute to Dr. Bridges will honor his for his extensive work for the Division of Clinical Immunology and Rheumatology at UAB and will support research in the Division.

Family, friends, and admirers of Dr. and Mrs. John G. Classé have given $25,000 for the establishment of the John and Jeanne Classé Endowed Optometry Scholarship.
This tribute to Dr. and Mrs. Classé will honor their support of the School of Optometry at UAB and will benefit deserving students in the School.

Mr. Thomas W. Claussen of Hoover, Alabama, along with several other donors, have given $100,000 for the establishment of the Gwen Claussen Endowed Research Fund. This tribute will honor the memory of Dr. Gwen Claussen, Mr. Claussen's late spouse, and will support ALS research and the mission of the Division of Neuromuscular Disease in the Department of Neurology at UAB.

Dr. and Mrs. R. Edward Faught, Jr., of Atlanta, Georgia, along with The University of Alabama Health Services Foundation, have given $129,006.28 for the establishment of the R. Edward Faught, Jr., M.D., Endowed Faculty Scholar in Epilepsy. This fund is intended to serve as an intermediate step for the creation of the R. Edward Faught, Jr., M.D., Endowed Professorship in Epilepsy, which will support a clinical researcher in epilepsy within the Department of Neurology at UAB.

Members of the UAB School of Optometry chapter of the National Optometry Association have given $25,317.34 for the establishment of the Dr. Terrence N. Ingraham Endowed Optometry Scholarship. This scholarship will support deserving students in the School of Optometry at UAB.

Several generous donors of the School of Health Professions have given $28,347.72 for the establishment of the Harold P. Jones Endowed Leadership Development Fund. This tribute to Dr. Harold Jones, former dean of the School of Health Professions, will honor his exemplary service to the School and support leadership development initiatives in the School.

Dr. John C. Mayer of Birmingham, Alabama, has given $25,000 for the establishment of the Dr. John Clyde Mayer Endowed Mathematics Fast Track Travel Award. This award will support deserving students enrolled in the Department of Mathematics Fast Track Program or the Honors Program for Mathematics.

The Gertrude E. Skelly Charitable Foundation, along with several other donors, have given $30,715 for the establishment of the Karen Meneses, Ph.D., R.N., FAAN Memorial Endowment for Nursing Research Support Fund. This fund will honor the memory of the late Dr. Karen M. Meneses and will support the work and mission of the School of Nursing at UAB.

Mr. and Mrs. Tom Miller have given $50,000 for the establishment of the Tom and Mary Miller Endowed Scholarship to support the Master of Science in Health Administration program in the School of Health Professions.

Dr. Mazi Rasulnia and Ms. Rachael S. Shillman of Birmingham, Alabama, have given $25,000 for the establishment of the Rachael and Mazi Rasulnia Endowed Scholarship for Healthcare Entrepreneurship. This scholarship will support deserving students in the School of Public Health at UAB.

Mr. David J. Wilson of Hingham, Massachusetts, has given $25,000 for the establishment of the David Wilson/Ken Soloway Endowed Scholarship in Biomedical
Engineering. This scholarship will support deserving students in the Department of Biomedical Engineering within the School of Engineering at UAB.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts the generous contributions of the donors and establishes the endowed funds listed above.

BE IT FURTHER RESOLVED that the initial gifts and all future contributions to these funds shall constitute endowed corpora, which will be held, invested, maintained and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowments' earnings shall be used for needs that most closely relate to the donors' intent as stated in each fund’s memorandum of agreement, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that the donors and/or donor representatives for the funds listed above be notified that the funds have been endowed in perpetuity.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving Quasi Endowed Funds at UAB

RESOLUTION

WHEREAS, in compliance with Board Rule 411, the President of The University of Alabama at Birmingham recommends that the following funds, having met the minimum standards for endowed gifts, be quasi endowed as part of the University's ongoing mission to promote the education of students and to provide quality programs in the areas of teaching, research, and service:

The Department of Art and Art History in the College of Arts and Sciences wishes to use funds of $25,000 for the establishment of the Judy Abroms Memorial Quasi Endowed Scholarship in Art and Art History. This scholarship will pay tribute to the late Ms. Judy Abroms, a beloved friend and donor to the University, and it will support deserving students in the Department of Art and Art History at UAB.

The Division of Cardiovascular Disease in the Department of Medicine within the School of Medicine at UAB wishes to use funds of $85,209.39 for the establishment of a new quasi endowment titled the Endowed Scholar in General Cardiology.

The College of Arts and Sciences wishes to use funds of $100,000 to establish a new quasi endowment titled the CAS Faculty Scholar Endowed Support Fund.

The Division of Pulmonary, Allergy, and Critical Care Medicine in the Department of Medicine within the School of Medicine at UAB wishes to add funds of $450,000 to
enhance the corpus of the quasi endowment titled the *Endowed Professorship in Lung Health*. The Division would also wishes to reinvest earnings of $50,000 for the purpose of enhancing the corpus of the *Endowed Professorship in Lung Health*.

The Department of Neurosurgery wishes to use funds of $25,000 for the establishment of a quasi endowment related to the existing pure endowment titled the *Dr. Ewan Zeiger, Jr., Endowed Faculty Scholar for Neurosurgery* to enhance the endowment corpus.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby approves the additions to and establishment of the quasi endowed funds listed above.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

**Approving Endowed Funds at UAH**

**RESOLUTION**

WHEREAS, in compliance with Board Rule 411, the President of The University of Alabama in Huntsville recommends that the following funds, having met the minimum standards for endowed gifts, be endowed as part of the University's ongoing mission to promote the education of students and to provide quality programs in the areas of teaching, research, and service; and

WHEREAS, Dr. Larry Gerlach of Salt Lake City, Utah, generously gave $75,000 in memory of his late wife, Mrs. Gail Brooks Gerlach, an alumna of UAH, to establish the Gail Brooks Gerlach Scholarship. This scholarship will benefit full-time students pursuing a degree at UAH with the intention of teaching English and/or History; and

WHEREAS, the Hill Crest Foundation, based in Birmingham, Alabama, generously gave $50,000 toward a pledged gift of $100,000 to establish the Hill Crest Excellence for Undergraduate Nursing Endowed Scholarship. This scholarship will benefit full-time socioeconomically disadvantaged undergraduate students who are pursuing an undergraduate degree in nursing; and

WHEREAS, the Hill Crest Foundation, based in Birmingham, Alabama, has pledged $100,000 to establish the Hill Crest Excellence for Graduate Nursing Endowed Scholarship. This scholarship will benefit full-time socioeconomically disadvantaged graduate students who are pursuing a Master's degree in nursing; and

WHEREAS, Mr. and Mrs. Bill Davis of Harvest, Alabama, have committed to making a testamentary gift to establish the Bill and Sonia Davis Mathematics Scholarship to benefit students pursuing a degree in Mathematics and who demonstrate financial need.
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby accepts these generous contributions and establishes the following endowed funds: the Gail Brooks Gerlach Scholarship, the Hill Crest Excellence for Undergraduate Nursing Endowed Scholarship, the Hill Crest Excellence for Graduate Nursing Endowed Scholarship, and the Bill and Sonia Davis Mathematics Scholarship.

BE IT FURTHER RESOLVED that the initial gifts and all future contributions to these funds shall constitute endowed corpora, which will be held, invested, maintained and administered by the University in perpetuity according to its policies and procedures adopted from time to time for endowed funds, and that the endowments’ earnings shall be used for needs that most closely relate to the donors’ intent as stated in each fund’s memorandum of agreement, under the policies and procedures of the University adopted from time to time to regulate and administer such awards.

BE IT FURTHER RESOLVED that the donor and/or donor representative for the funds listed above be notified that these funds have been endowed in perpetuity.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Approving Resolution for Acknowledgement of and Appreciation of Gifts at UAH

RESOLUTION

WHEREAS, the President of The University of Alabama in Huntsville (UAH) recommends acknowledgment and appreciation of the following gift, to be used as part of the University’s ongoing mission to promote the education of students and to provide quality programs in the areas of teaching, research, and service; and

WHEREAS, Mrs. Angela Shih of Huntsville, Alabama, has generously given $50,000 to support the Cornelius Shih Memorial Graduate Student Fund, a scholarship established in 2010 in memory of her late husband and former UAH faculty, Dr. Cornelius Chung-Sheng Shih; and

WHEREAS, DENSO North America Foundation based out of Southfield, Michigan, has generously given $40,000 to support the UAH Department of Electrical and Computer Engineering and its unique new senior design experience focused on autonomous vehicles; and

WHEREAS, Maynards Industries of Southfield, Michigan, whose President and CEO is Mr. Taso Sofikitis, a UAH alumnus, has generously given $50,000 to UAH to support the UAH Hockey program with recruiting, travel, equipment, and other expenses; and
WHEREAS, Dr. Chia-Hwa "Tony" Chan, Trustee for the Pei-Ling Charitable Trust, of Huntsville, Alabama, has generously contributed $26,000 to UAH to support the Kathy L. Chan Scholarship in Music, a scholarship established in 2017 in honor of his wife, Dr. Kathy Chan.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it hereby expresses its appreciation for the generosity demonstrated by the donor presented above and herein conveys its gratitude for this gift to support The University of Alabama in Huntsville.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.

Noting contributions of Faculty Representatives to the Board of Trustees for 2018-2019

James L. Worrell, Ph.D. from UAB

RESOLUTION

Professor in the Department of Accounting at The University of Alabama at Birmingham, has served as Faculty Representative to The Board of Trustees of The University of Alabama for the academic year, 2018-2019; and

WHEREAS, Dr. Worrell received his Bachelor of Science degree in Accounting in 1996, his Master of Accounting degree in Accounting Information Systems in 1998, and his Doctor of Philosophy degree in Management Information Systems in 2008, all from Florida State University in Tallahassee, Florida; and

WHEREAS, prior to pursuing his doctorate, Dr. Worrell was the IT Internal Audit Manager for Raymond James & Associates in St. Petersburg, Florida, and worked as an Information Technology Auditor and Information Security Consultant for PricewaterhouseCoopersLLP; and

WHEREAS, Dr. Worrell worked as a Research Assistant/Teaching Assistant at Florida State University in 2004; and

WHEREAS, Dr. Worrell began his career at The University of Alabama at Birmingham in 2008 as an Assistant Professor in the Department of Accounting and Finance, and was promoted to Associate Professor in 2014; and

WHEREAS, Dr. Worrell’s service has been demonstrated particularly by his outstanding work on the University-Wide Faculty Senate in such capacities as Chair (2018-
WHEREAS, Dr. Worrell served as President of the Birmingham Chapter of the Information Systems Audit and Control Association (ISACA) from 2014-2016, as well as Vice President from 2013-2014; and

WHEREAS, Dr. Worrell has been the recipient of many awards including Outstanding New Faculty Senator by the UAB Faculty Senate in 2015, recipient of a UAB President’s Award for Teaching Excellence in 2013, and recipient of the Loudell Ellis Robinson Excellence in Teaching Award in 2010; and

WHEREAS, Dr. Worrell is a member of numerous professional organizations including the American Accounting Association: Information Systems Section and Strategic and Emerging Technologies Section; Association for Information Systems: Enterprise Systems SIG and Accounting Information Systems SIG; Information Systems Audit and Control Association; and Institute of Internal Auditors; and

WHEREAS, Dr. Worrell’s research interests include the intersection of auditing and information systems, and has appeared in Journal of the Association for Information Systems, International Journal of Accounting Information Systems, Issues in Accounting Education, Information Systems Frontiers, and Information Technology & People, as well as other peer-reviewed outlets; and

WHEREAS, Dr. Worrell is a Certified Public Accountant in the state of Florida, a Certified Information Systems Auditor, and a Certified Internal Auditor; and

WHEREAS, throughout his tenure, Dr. Worrell has exemplified faculty dedication to the mission of The University of Alabama at Birmingham: teaching, research and publishing, and service; and

WHEREAS, The Board of Trustees of The University of Alabama desires to recognize the diligence, sense of responsibility, leadership, and service that define Dr. Worrell;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it expresses its sincere appreciation to Dr. Worrell for his service as Faculty Representative and as a leading member of the faculty of The University of Alabama at Birmingham, and herewith extends him best wishes for continued success.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board and that copies be given to Dr. Worrell to share with his family; to
Eric Jack, Ph.D., Dean of the Collat School of Business at The University of Alabama at Birmingham; and other appropriate University officials.

Michael Banish, Ph.D. from UAH

RESOLUTION

WHEREAS, Dr. R. Michael Banish, Associate Professor in the Department of Chemical and Materials Engineering in the College of Engineering at The University of Alabama in Huntsville, has been a member of the faculty since 2003; and

WHEREAS, Dr. Banish received a Bachelor of Arts degree in Chemistry and Biology from Westminster College, Utah in 1978 and a Ph.D. in Materials Science and Engineering from the University of Utah in 1992; and

WHEREAS, Dr. Banish has been a dedicated faculty member in the Department of Chemical and Materials Engineering and has taught courses with distinction; and

WHEREAS, Dr. Banish has served on department, college and university committees in addition to maintaining a record of scholarly activities; and

WHEREAS, Dr. Banish has served The University of Alabama in Huntsville conscientiously as President of the Faculty Senate for the 2018-19 Academic Year and as the twenty-first Faculty Senate President elected by a vote of the faculty; and

WHEREAS, Dr. Banish has provided leadership that has maintained a shared governance relationship between the Faculty Senate and the Administration and assisted in moving forward in strategic planning; and

WHEREAS, Dr. Banish continued to impress upon faculty the importance and seriousness of their role in policy-making and decision-making at the university, local, and state level; and

WHEREAS, Dr. Banish has served the faculty and The University of Alabama in Huntsville this year as President of the Faculty Senate and representative to the Board of Trustees;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it recognizes Dr. Banish for providing dedicated service and leadership for the development of The University of Alabama in Huntsville and its stature within The University of Alabama System, and it further wishes him continued success in all his professional pursuits.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of this Board.
Noting contributions of Student Representatives to the Board of Trustees for 2018-2019

Siddhu Srikakolapu from UAB

RESOLUTION

WHEREAS, Siddhu Srikakolapu has served with distinction as Student Representative from The University of Alabama at Birmingham (UAB) to The Board of Trustees of The University of Alabama during the 2018-2019 academic year; and

WHEREAS, Mr. Srikakolapu graduated Summa Cum Laude with Distinguished Honors in Global and Community Leadership with his Bachelor of Arts degree in Philosophy from UAB in April 2019; and

WHEREAS, Mr. Srikakolapu has had an outstanding career at UAB, being highly involved in campus government and student organizations, especially his service in UAB’s Undergraduate Student Government Association as President (2018-2019), Executive Vice President (2017-2018) and Senator (2016-2017); and

WHEREAS, Mr. Srikakolapu founded Peer Coaching at UAB (2016-2019) where he supported students with stress, anxiety and the transition to college via one-on-one coaching sessions. He was trained in fundamental counseling skills and worked with UAB Student Counseling Services; and

WHEREAS, Mr. Srikakolapu served as a Supplemental Instruction Leader for Introductory Biology and General Chemistry where he hosted review sessions weekly to help student with course material through the creation of review worksheets and mock exams while attending all class lectures; and

WHEREAS, since 2016, Mr. Srikakolapu served as a Board Member of the Student Advisory Board suggesting improvements to promote mental health for implementation by Student Counseling Services; and

WHEREAS, Mr. Srikakolapu’s leadership helped him win many awards such as the William Jefferson Clinton Scholarship (2017), a National Merit Finalist (2015), UAB Presidential Honors List (2015-2018), Mr. UAB Top 5 (2017) and an Eagle Scout (2014); and

WHEREAS, Mr. Srikakolapu was a Clinical Research Assistant in the Taub Therapy Clinic (2015-2016) where he helped deliver Constraint-Induced Therapy to patients who suffered from strokes, traumatic brain injuries or multiple sclerosis; and

WHEREAS, Mr. Srikakolapu was admitted to UAB’s Early Medical School Acceptance Program (EMSAP) which offers superior high school seniors the assurance that after completing undergraduate studies at UAB, they will enter the UAB School of
Medicine, Dentistry, or Optometry where they can reserve their place in UAB's world-renowned medical programs; and

WHEREAS, during his tenure as Student Representative to the Board of Trustees, Mr. Srikakolapu has represented UAB and its student body in an excellent manner and, as his term concludes, the Board desires now to recognize the leadership, academic achievement, and outstanding service that he has exhibited during his years at UAB;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it expresses its sincere appreciation to Mr. Siddhu Srikakolapu for his significant contributions to The University of Alabama at Birmingham as Student Representative to the Board, and herewith extends to him best wishes for continued success in his academic endeavors.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board and that copies be given to Mr. Srikakolapu to share with members of his family; to Robert Palazzo, Ph.D., Dean of the College of Arts and Sciences; and to other appropriate University officials.

Ashley Dodson from UAH

RESOLUTION

WHEREAS, Ashley Dodson is a student at The University of Alabama in Huntsville where she is currently enrolled as a student in the Bachelor of Science in Biological Sciences with a minor in Chemistry; and

WHEREAS, Ashley has demonstrated exemplary dedication to The University of Alabama in Huntsville through her active participation in numerous organizations including; Kappa Delta Sorority, Medical Careers Club, and Alpha Sigma Pi; and

WHEREAS, Ashley Dodson has received numerous academic and co-curricular honors, including the UAH Deans List, Rising Student Leader Award, and the Charger Spirit Award; and

WHEREAS, Ashley Dodson’s character and scholarship led to her leadership as the UAH Student Government Association President, and Senator; and

WHEREAS, Ashley Dodson has been an exemplary and outstanding representative of The University of Alabama in Huntsville’s student body to The Board of Trustees of The University of Alabama for 2018 – 2019;

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that it recognizes Ashley Dodson for her commitment to The University of
Alabama in Huntsville and her faithful service to the Board of Trustees, and it wishes her success in her career pursuits.

BE IT FURTHER RESOLVED that this resolution be spread upon the permanent minutes of the Board and that a copy be sent to Ashley Dodson, and appropriate officials at The University of Alabama in Huntsville.

Acknowledgement of Retired Employees at UA, UAB, and UAH since last annual meeting

(Exhibit Q)

Acknowledgement of Deceased Employees at UA, UAB, and UAH since last annual meeting

(Exhibit R)

There being no further business to come before the Board, the meeting was adjourned.

[Signature]

Sid J. Trant
General Counsel and
Secretary of The Board of Trustees
BOARD OF TRUSTEES MEETING

Bryant Conference Center
Tuscaloosa, Alabama
September 5-6, 2019 – 10:45 a.m.

AGENDA

A. Roll Call

B. Consideration of Minutes of June 7, 2019 Meeting

C. Adoption of Agenda

D. Reports

1. Chancellor Finis E. St. John IV

E. Finance Committee Report

a. Consideration of Resolution Approving the Proposed FY 2019-2020 Annual Budget Requests

b. Consideration of Resolution Approving the Issuance of General Fee Revenue Bonds for the Refunding of Series 2010-A Bonds for UAH


d. Administrative Items Summary

i. Consideration of Resolution to Update Signature Authority for Banking Transactions at UA

ii. Consideration of Resolution to Update Signature Authority at UA

iii. Consideration of Resolution to Update Signature Authority at UAH

iv. Consideration of Resolution Approving Proposed Amendment to Food Services Agreement between Sodexo Operations, LLC and UAB

v. Board Rule 406 Contracts

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1. Ratification of Contract for United Health Care – Student Health Insurance for UA  
   Page 79

2. Ratification of Contract for Paciolan LLC for UA  
   Page 81

3. Ratification of Contract for Red Mountain Entertainment for UAB  
   Page 83

4. Ratification of Contract for Totalcom for UA  
   Page 85

5. Consideration of Contract for Encompass360, Inc. for UA  
   Page 87

6. Consideration of Contract for Guernsey for UA  
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F. Investment Committee Report

G. Physical Properties Committee Report

   a. UA

      i. Construction Items

         1. Consideration of Resolution approving the revised project scope, budget; providing authorization to execute a construction contract for the Bryant-Denny Stadium Renovation and Addition (Stage IV).  
            Separate Cover

         2. Consideration of Resolution approving the reallocated project budget; providing authorization to execute a construction contract on Package B – Deep Foundations for the New Tutwiler Residence Hall at UA (Stage IV)  
            Page 91

         3. Consideration of Resolution approving the reallocated project budget and revised architectural design; providing authorization to execute a construction contract for the John and Ann Rhoads Softball Stadium Renovation and Addition at UA (Revised Stage III & Stage IV)  
            Page 95

         4. Consideration of Resolution approving the reallocated project budget and proposed architectural design for the Math and Science Education Building Renovation at UA (Stage III)  
            Page 97

         5. Consideration of Resolution approving installation of the Joe Sewell Commemorative Statue at Sewell-Thomas Stadium (Stage III – substantial visual impact)  
            Page 99
6. Consideration of Resolution approving the revised project scope and budget for the Central Campus Thermal Energy Connections at UA (Revised Stage II)  

7. Consideration of Resolution approving the revised project scope and budget for the Russell Hall Nutrition and Microbiome Lab and Research Support Fit-out at UA (Revised Stage II)  

8. Consideration of Resolution approving the preliminary project scope and budget; providing authorization to execute an Owner/Architect Agreement for the Colonial Drive Enhancements at UA (Stage I & Stage II)  

9. Consideration of Resolution approving the preliminary project scope and budget for the Angelo Bruno Business Library Renovation at UA (Stage I)  

10. Consideration of Resolution approving the preliminary project scope and budget for the Reese Phifer Radio and Satellite Farm Relocation at UA (Stage I)  

ii. Real Estate Items  

1. Consideration of Resolution authorizing execution of a Neutral Host License Agreement with New Cingular Wireless PCS, LLC to install a Neutral Host Distributed Antenna System (DAS) at Coleman Coliseum  

2. Consideration of Resolution authorizing the execution of a Commercial Lease with JP Morgan Chase Bank, N.A. by UA  

3. Consideration of Resolution providing authorization to execute Recreational Use License Agreements for UA lands  

4. Consideration of Resolution providing authorization to execute Timber Contracts on six tracts of land consisting of 529 acres  

b. UAB  

i. Construction Items  

1. Consideration of Resolution approving the proposed architectural design for the Athletic Support Building for Women's Fastpitch Softball and Men's Baseball at UAB (Stage III)
2. Consideration of Resolution providing authorization to negotiate an Owner/Architect Agreement for the Renovation of the 8th Floor – Boshell Building for Computational Research Space at UAB (Stage II) Page 123

3. Consideration of Resolution approving the revised project budget; providing authorization to negotiate an Owner/Architect Agreement for the Relocation of the Department of Emergency Medicine to the 2nd Floor of the General Services Building at UAB (Stage II) Page 127

4. Consideration of Resolution providing authorization to negotiate Owner/Consultant Agreements for the Phase I – Science and Engineering Complex at UAB (Stage II) Page 131

c. UABHS

i. Construction Items

1. Consideration of Resolution approving the revised project budget; providing authorization to execute an Owner/Architect Agreement for the Histocompatibility and Immunogenetics Laboratory (HLA lab) Expansion at University Hospital (Stage II) Page 137

2. Consideration of Resolution approving the preliminary project scope and budget for the Renovation for Inpatient Nursing Unit and Bridge – UAB Callahan Eye Hospital (Stage I) Page 139

3. Consideration of Resolution approving the preliminary project scope and budget for the Renovation for Interventional Imaging Lab in the Heart and Vascular Center at University Hospital (Stage I) Page 141

4. Consideration of Resolution approving the preliminary project scope and budget for the Renovation for Intensive Care Nursing Unit at University Hospital (Stage I) Page 143

ii. Equipment Item

1. Consideration of Resolution approving the Procurement and Installation of Replacement Nursing Communication Systems at University Hospital Page 145

iii. Real Estate Item

1. Consideration of Resolution providing authorization to execute Two (2) Lease Agreements with 3201 4th Avenue Partners, LLC for the relocation of the 1917 Clinic Page 147

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d. UAH

   i. Construction Item

      1. Consideration of Resolution approving the preliminary project scope and budget; providing authorization to execute an Owner/Architect Agreement for the Repair and Renovation of the Shelby Center Lower Level at UAH (Stage I & Stage II)

   e. UAS

      i. Information Item

         1. Report on Construction Contracts Awarded for Interior Renovation Projects

H. Academic Affairs and Student Affairs Committee Report

1. Individual Action Items

   a. Consideration of Resolution Granting Approval of the Degrees Awarded by the Campuses at UA, UAB, and UAH

   b. Consideration of Resolution Granting Approval of and Permission to Submit to the Alabama Commission on Higher Education (ACHE) a Proposal for a Bachelor of Science in Engineering Degree (B.S.E.) in Engineering Design (CIP Code 14.0101) at UAB

   c. Consideration of Resolution Granting Approval of and Permission to Submit to the Alabama Commission on Higher Education (ACHE) a Notification of Intent to Submit a Proposal (NISP) for a Doctor of Philosophy (Ph.D.) Degree in Mechanical Engineering (CIP Code 14.1901) at UAB

   d. Consideration of Resolution Granting Approval of and Permission to Submit to the Alabama Commission on Higher Education (ACHE) a Proposal for a Bachelor of Science (B.S.) Degree in Cyber Security (CIP Code 11.1003) at UA

2. Administrative Action Items

   a. Consideration of Resolution Granting Approval of the Establishment of the UAB Hypertension Center at UAB
b. Consideration of Resolution Granting Approval of Changing the Name of the Comprehensive Center for Healthy Aging to the Integrative Center for Aging Research at UAB

c. Consideration of Resolution Granting Approval of the Conversion and Renaming of the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Professorship in Nephrology to the DCI Edwin A. Rutsky, M.D., Distinguished Endowed Chair in Nephrology at UAB

d. Consideration of Resolution Granting Approval of the Conversion and Renaming of the Magic City LGBTQ Health Studies Endowed Faculty Scholar Fund to the Magic City LGBTQ Health Studies Endowed Professorship at UAB

e. Consideration of Resolution Granting Approval of the Conversion and Renaming of the Edward E. Partridge, M.D., Endowed Faculty Scholar of Cancer Disparity Research to the Edward E. Partridge, M.D., Endowed Chair for Cancer Disparity Research at UAB

f. Consideration of Resolution Granting Approval of the Appointment of Lewis Keith Lloyd, M.D., as the Inaugural Holder of the Anderson Family Endowed Chair in Urology in the School of Medicine at UAB

g. Consideration of Resolution Granting Approval of the Appointment of Susan L. Bellis, Ph.D., as the Third Holder of the Alma B. Maxwell-UAHSF Endowed Chair in Biomedical Research in the School of Medicine at UAB

h. Consideration of Resolution Granting Approval of the Appointment of Erik D. Roberson, M.D., Ph.D., as the First Holder of the Rebecca Gale Endowed Professorship in the Department of Neurology in the School of Medicine at UAB

i. Consideration of Resolution Granting Approval of the Appointment of C. Ryan Miller, M.D., Ph.D., to the Translational Research Endowed Professorship in Pathology in the Department of Pathology at UAB

j. Consideration of Resolution Granting Approval of the Appointment of Alan Percy, M.D., to the Sarah Katherine Bateh Endowed Professorship for Rett Syndrome in the School of Medicine at UAB

k. Consideration of Resolution Granting Approval of the Appointment of Yabing Chen, Ph.D., to the Jay M. McDonald, M.D., Endowed Professorship in Laboratory Medicine in the Department of Pathology at UAB
l. Consideration of Resolution Granting Approval of the Appointment of Gary R. Cutter, Ph.D., as Professor Emeritus of Biostatistics in the Department of Biostatistics at UAB

m. Consideration of Resolution Granting Approval of the Appointment of Harold P. Jones, Ph.D., as Professor and Dean Emeritus of the School of Health Professions at UAB

n. Consideration of Resolution Granting Approval of the Appointment of Narayana V. L. Sthanam, Ph.D., as Professor Emeritus in the Department of Optometry and Vision Science at UAB

o. Consideration of Resolution Granting Approval of the Appointment of Peter M. Walsh, Ph.D., as Research Professor Emeritus in the Department of Mechanical Engineering at UAB

p. Consideration of Resolution Granting Approval of the Appointment of Mary L. Warren, Ph.D., as Associate Professor Emerita in the Department of Occupational Therapy in the School of Health Professions at UAB

q. Consideration of Resolution Granting Approval of the Appointment of Diane E. Clark, PT, DScPT, MBA, as Associate Professor Emerita of Department of Physical Therapy at UAB

r. Consideration of Resolution Granting Approval of the Appointment of Andra R. Frost, M.D., as Professor Emerita of Pathology in the Department of Pathology at UAB

s. Consideration of Resolution Granting Approval of the Appointment of Samantha Hansen, Ph.D., as the George Lindahl III, Endowed Professor in the College of Arts and Sciences at UA

t. Consideration of Resolution Granting Approval of the Appointment of William J. Gonzenbach, Ph.D., as Professor Emeritus of the Department of Advertising and Public Relations in the College of Communication and Information Sciences at UA

u. Consideration of Resolution Granting Approval of the Appointment of Steve Buchheit, Ph.D., as the Robert Roddy-Paul Garner Professor of Accounting at UA
v. Consideration of Resolution Granting Approval of the Appointment of Michael K. Bowman, Ph.D., as Professor Emeritus of Chemistry and Biochemistry in the Department of Chemistry and Biochemistry in the College of Arts and Sciences at UA

w. Consideration of Resolution Granting Approval of the Appointment of Steven Leonard Jacobs, D.D., D.H.L., as the Emeritus Aaron Aronov Endowed Chair in Judaic Studies at UA

x. Consideration of Resolution Granting Approval of the Appointment of Robert Reed, Ph.D., for the Pam and Glenn Eubanks Endowed Professorship in Real Estate and Professional Services at UA

y. Consideration of Resolution Granting Approval of the Appointment of Daniel Levine, Ph.D., as the Aaron Aronov Endowed Chair in Judaic Studies in the College of Arts & Sciences at UA

z. Consideration of Resolution Granting Approval of the Appointment of Quinn Swanquist, Ph.D., to the Ernst & Young Professorship of Accounting at UA

aa. Consideration of Resolution Granting Approval of the Appointment of Philip Westbrook, Ed.D., as Clinical Professor Emeritus in the Department of Educational Leadership, Policy, and Technology Studies in the College of Education at UA

bb. Consideration of Resolution Granting Approval of the Appointment of William A. Ulmer, as Professor Emeritus of English in the Department of English in the College of Arts and Sciences at UA

c. Consideration of Resolution Granting Approval of The Yetta G. Samford, Jr., Endowed Professorship in Legal Ethics at UA

dd. Consideration of Resolution Granting Approval of the Appointment of Catherine E. Davies as Professor Emerita of English in the Department of English in the College of Arts and Sciences at UA

ee. Consideration of Resolution Granting Approval of the Appointment of Francis C. Wessling, Jr., Ph.D., as Professor Emeritus in the Department of Mechanical and Aerospace Engineering in the College of Engineering at UAH
ff. Consideration of Resolution Granting Approval of the Appointment of David Stewart, Ph.D., as Associate Professor Emeritus of Art in the Department of Art, Art History and Design in the College of Arts, Humanities, and Social Sciences at UAH

gg. Consideration of Resolution Granting Approval of the Appointment of Andrée E. Reeves, Ph.D., as Associate Professor Emerita of Political Science in the Department of Political Science in the College of Arts, Humanities, and Social Sciences at UAH

3. Information Items
   a. Establishment of a Graduate Certificate in Research Laboratory Management (CIP Code 52.0214) at UAB
   b. Establishment of a Graduate Certificate in Research Communication (CIP Code 09.0908) at UAB
   c. Establishment of a Graduate Certificate in Information Technology (IT) Management (CIP Code 52.1201) at UAB
   d. Establishment of a Graduate Certificate in Cybersecurity Management (CIP Code 52.1201) at UAB
   e. Establishment of a Graduate Certificate in Business Analytics with Information Technology (IT) (CIP Code 52.1201) at UAB
   f. Discontinuation of the Cooperative Master of Arts (M.A.) in Anthropology (CIP Code 45.0201) at UA and UAB
   g. Establishment of an Undergraduate Certificate in Social Data Analysis (CIP Code 45.0102) at UAH

I. Audit, Risk, and Compliance Committee Report

J. UAB Health System Board Liaison Committee Report
   a. Consideration of Resolution Appointing individuals to serve on the Board of Directors for The Healthcare Authority for Baptist Health, an Affiliate of UAB Health System
   b. Consideration of Resolution Appointing individuals to serve on the Board of Directors for CEHA, an Affiliate of UAB Health System
c. Consideration of Resolution Approving the Incorporation of the Cooper Green Mercy Health Services Authority, an Affiliate of UAB Health System and Authorizing the applicant to proceed to form the Authority by filing for record the articles of incorporation in accordance with provisions of §16-17A-4 of the Enabling Act

d. Consideration of Resolution Appointing individuals to serve on the Board of Directors for Medical West Board, an Affiliate of UAB Health System

K. Honorary Degrees and Recognition Committee Report

1. Consideration of Resolution Revising the Naming Opportunities in the Culverhouse College of Business at UA

2. Consideration of Resolution Approving Naming Opportunities in Hardaway Hall at UA

3. Consideration of Resolution Approving the Naming of the Laurie Faulkner Hereford Faculty-Staff Workroom in Little Hall at UA

4. Consideration of Resolution Approving the Naming of the Jimmy Koikos Grab-n-Go in the Mal M. Moore Athletic Facility

5. Consideration of Resolution Accepting Gifts and Pledges from Various Donors, Expressing Appreciation, and Establishing Naming Opportunities on Behalf of the Football Operations Building at UAB

L. Nominating Committee Report

M. Administrative Action Item

1. Consideration of Resolutions Accepting Gifts

<table>
<thead>
<tr>
<th>Name</th>
<th>Gift By</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Alabama Power Endowed Innovation and Talent Retention Fund at UA</td>
<td>Alabama Power Foundation of Birmingham, Alabama</td>
<td>$1,400,000</td>
</tr>
</tbody>
</table>

2. Consideration of Resolution Approving Revision of the Quin E. Flowers Sr. and Clara S. Flowers Foundation Endowed Scholarship at UA

3. Consideration of Resolution Approving Revision of the Jean and Larry Kloess, Jr. Endowed Scholarship

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4. Consideration of Resolution Approving Conversion and Renaming of the Carrie and Don Marshall Conference Center to the Marshall Center at UAB

5. Consideration of Resolution Approving Conversion and Renaming of the Vettes-4-Vets Endowed Award to the Vettes-4-Vets Endowed Scholarship at UAB

6. Consideration of Resolution Approving Endowed Funds at UA

7. Consideration of Resolution Approving Endowed Funds at UAB

8. Consideration of Resolution to Approve Quasi Endowed Funds at UAB

9. Consideration of Resolution Approving Endowed Funds at UAH

10. Consideration of Resolution for Acknowledgement and Appreciation of Gifts at UAH

11. Consideration of Resolution noting contributions of Faculty Representatives to the Board of Trustees for 2018-2019
   a. James L. Worrell, Ph.D., UAB
   b. Michael Banish, Ph.D., UAH

12. Consideration of Resolution noting contributions of Student Representatives to the Board of Trustees for 2018-2019
   a. Siddhu Srikakolapu, UAB
   b. Ashley Dodson, UAH

13. Acknowledgement of Retired Employees at UA, UAB, and UAH since last annual meeting

14. Acknowledgement of Deceased Employees at UA, UAB, and UAH since last annual meeting
ADMINISTRATIVE REPORT

A DIGEST OF CURRENT INFORMATION

PREPARED FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

University of Alabama System
Individually Distinct. Altogether Stronger.

SEPTEMBER 6, 2019
TUSCALOOSA, ALABAMA
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STUDENT/FACULTY ACHIEVEMENTS

UA NAMES NEW DEAN OF THE COLLEGE OF COMMUNITY HEALTH SCIENCES

Dr. Richard Friend, a physician with extensive administrative experience in family medicine at two universities and who also spent 10 years in private practice, has been named dean of UA's College of Community Health Sciences. He served as interim dean and professor in the College for the past year.

Dr. Friend joined UA in 2012 as residency director of the Family Medicine Residency, associate professor of family medicine and vice chair of the College's department of family medicine. He was later named clinic director of the family medicine suite within UA's University Medical Center and chair of the College's department of family, internal and rural medicine. He has been awarded millions of dollars in grant funding, given invited presentations and authored many published articles.

ENGINEERING SENIORS AT UA WIN SECOND CONSECUTIVE IEEE ROBOTIC COMPETITION

For the second consecutive year, a senior robotics team from UA took home a win at an Institute of Electrical and Electronics Engineers regional conference. Six senior computer engineering students won the Student Hardware Competition at IEEE SoutheastCon 2019 in Huntsville. Dr. Ken Ricks, faculty adviser and associate professor of electrical and computer engineering, doesn’t think any school has ever won twice in a row. More than 40 teams from across the southeast in IEEE Region 3 participated. Before Ricks took over the helm in 2008, UA didn’t compete. Ricks worked with Dr. Tim Haskew, electrical and computer engineering department head, to provide resources for the team to succeed. Year after year the team has steadily improved and placed first in 2018.

CRIMSON RACING BRINGS HOME BEST FINISH TO DATE

UA’s Formula SAE team had the best performance in team history at competition this year. The team, called Crimson Racing, placed 10th overall out of 108 international teams from eight countries at the Formula SAE Michigan competition. The results placed UA fifth out of U.S. schools and first in the Southeastern Conference. Teams were judged in static events and dynamic events. The static events were based on research, presentation and reports while dynamic events were based on how the car preformed while racing. Crimson Racing placed 7th in design and business, 9th in endurance and 10th in autocross.

UA ROBOTICS TEAM WIN NASA’S GRAND PRIZE FOR FIFTH CONSECUTIVE YEAR

For the fifth consecutive year, the student robotics team from UA won NASA’s grand prize in its Robotics Mining Competition. Made up of 60 students, primarily from
the College of Engineering, Alabama Astrobotics won the Joe Kosmo Award for Excellence, the grand prize, in NASA’s 2019 robotic mining competition. UA’s teams previously placed first in 2012 and from 2015-2018.

This year’s NASA competition was held virtually, rather than on-site at NASA’s Kennedy Space Center. Teams were judged on systems engineering papers and outreach project reports and with the options of submitting systems engineering plans and slide demonstrations. In addition to the top prize, UA’s team also won first place for its systems engineering paper, its slide presentations and demonstrations and second place for its outreach report.

UA DISTANCE STUDENTS PROVIDE NUTRITION PLANS FOR ‘SILENT INJURY’ SURVIVORS

UA recently partnered with the Alabama Head Injury Foundation to conduct the Bright Ideas TBI Camp for 10 traumatic brain injury survivors and their caregivers. The three-day camp, held at the University, allowed UA students studying the fields of social work, music therapy and nursing, among others, to introduce new compensatory strategies to help participants adjust emotionally, cognitively and physically to their “new normal.” Of those students, four who are enrolled in the distance master’s program in nutrition, came to Tuscaloosa to provide individualized nutrition plans for survivors. The students provided a lunch-and-learn presentation on the basics of nutrition on the first day of camp. The following two days were spent meeting one-on-one with survivors and caregivers to develop individualized nutrition plans.

UAB DEAN OF MEDICINE HONORED WITH DR. JAMES T. BLACK AWARD

Selwyn Vickers, M.D., senior vice president and dean of the UAB School of Medicine, has been named as the 2019 Dr. James T. Black Award recipient by the 100 Black Men of America, Inc. The award is named for Dr. James Black, a past national chairman of the 100 Black Men of America’s Health and Wellness Committee and a member at large. He is also the past president of the 100 Black Men of America of Los Angeles, and a life member.

The award’s recipient is in good standing nationally and with his local chapter and is actively involved with the 100’s National Health and Wellness Committee, and has supported the 100 through its health and wellness initiatives locally and nationally.

UAB CHIEF DIVERSITY OFFICER NAMED ONE OF THE MOST INFLUENTIAL WOMEN IN CORPORATE AMERICA

Deborah Grimes, the chief diversity officer for the UAB Health System, has been named one of the most influential women in corporate America for 2019 by Savoy Magazine. The magazine released its 2019 Most Influential Women in Corporate America listing in its summer edition.

Selection of the Most Influential Women in Corporate America begins by screening information
received from more than 500 prospective candidates in diverse fields. The selection committee includes the *Savoy* editorial board and community leaders with representatives from the academic and business arenas.

**UAB Professor Named Chief of UAB Prime Care**

Stuart J. Cohen, M.D., has been named the inaugural chief of Prime Care for the UAB Health System and UAB Medicine. The position of chief was created in recognition of the central strategic role of primary care medicine within the Health System. Cohen, who is a professor of medicine at UAB, had been medical director for UAB Prime Care.

**New Senior Director Named at UAB’s AEIVA**

John Fields is the new senior director of the Abroms-Engel Institute for the Visual Arts at UAB. Fields will oversee all daily operations and programming for AEIVA, as well as serve as a liaison for a variety of stakeholders on campus and in the community.

**UAB Assistant Professor Named National Finalist for American Prize**

Assistant Professor of Music Theory and Composition Dr. Joshual Burel was a finalist for the American Prize Award in Composition for the Choral Octavo and Instrumental Chamber Music Divisions for his works *A Winter’s Tale* and *Roanoke*.

**UAB Associate Professor of Art Selected for Board Position**

José Betancourt, Associate Professor in the Department of Art, Art History and Design, was selected to serve as a board member for Arts Huntsville.

**UAB Associate Professor of Art Chosen as Visiting Scholar**

Dr. Lillian Joyce, Associate Professor of Art History, was a Visiting Scholar at the American Academy in Rome for the month of July.

**UAB Assistant Professor of Art Completes Residency**

Katie Baldwin, Assistant Professor in the Department of Art, Art History & Design, was selected to attend an Upper-Advanced Residency at Mi-Lab in Tokyo.

**UAB Art Instructor Exhibits Art & Wins Award**

Art Foundations Instructor Jesse Whitehead exhibited works in the Alumni Invitational Exhibition at Mississippi University for Women in Columbus, MS. Ms. Whitehead also had a piece in the Jeans 4 Justice event sponsored by Crisis Services of North Alabama and was awarded a Second Place Certificate of Excellence.

**UAB Art Lecturer Juries Art Contest**

Roxie Veasey, Lecturer in the Department of Art, Art History and
Design, was invited to be a juror for the Alabama Department of Conservation and Natural Resources annual waterfowl stamp art contest.

UAH PAINTING & SCULPTURE STUDENTS EXHIBIT WORK
Senior painting student Kala Klonz and sculpture major Kim Brown have work in the group exhibition Unbound at Lowe Mill Arts Gallery in Huntsville.

UAH PRINTMAKING STUDENT WINS SCHOLARSHIP
Senior Dezzy Moon received a Summer Work-Study scholarship at Arrowmont School of Arts and Crafts in Gatlinburg, TN.

UAH ASSISTANT PROFESSOR OF ART COLLABORATES WITH STUDENTS ON RESEARCH PROJECTS
Vinny Argentina, Assistant Professor of Art, Art History and Design, worked with student Caitlin Hendricks on an animation program “A Place Through Time” and with student Kliifton Riley on “Visualizations for Cartilage Restoration Methods.” Both projects were funded through the Research and Creative Experience for Undergraduates.

UAH STUDENT EXHIBITS ARTWORK
Kim Brown, a student in the Department of Art, Art History & Design participated in the exhibition “#scratchandsniff” at the 317 Art Connection Gallery in Rockford, IL.

UAH STUDENT EXHIBITS ARTWORK
Kala Clontz, a student in the Department of Art, Art History & Design participated in the exhibition Unbound at Lowe Mill Arts Gallery in Huntsville.

UAH COMMUNICATION ARTS LECTURER AND HISTORY MAJOR COMPLETE RCEU PROJECT
Dr. John H. Saunders, Lecturer in Communication Arts, directed an RCEU project with Katie Rozer, a history major, focusing on the misrepresentation of the Rosa Parks story in children’s literature. The paper coming out of this project will be submitted to the 2020 Southern States Communication Association conference and the Howard Journal of Communication.

RCEU PROJECT IN COMMUNICATION ARTS AT UAH DEVELOPS A DOCUMENTARY ON NEW ORLEANS
Dr. Joseph Watson, Assistant Professor of Communication Arts, directed an RCEU project with Devin Townsend, focusing on developing a documentary Absent Yet Present: Jazzland of New Orleans and the Rhetoric of Public Memory.

CHAIR AND ASSOCIATE PROFESSOR OF SOCIOLOGY AT UAH ELECTED AS PRESIDENT OF ACADEMIC ASSOCIATION
Dr. Kyle Knight, Chair and Associate Professor of Sociology, was elected President-Elect of the Alabama-Mississippi Sociological Association for 2019-2020 and will
subsequently serve a one-year term as President in 2020-2021.

**UAH Management Professor Awarded Fellowship**

Dr. Frank Mullins, Associate Professor of Management, was awarded the Corey Rosen Fellowship for the study of employee ownership in the corporation and in the society. This fellowship was awarded by the Institute for the Study of Employee Ownership and Profit Sharing in the School of Management and Labor Relations at Rutgers University.

**UAH Business Students Participate in Tax Preparation Program**

Through SaveFirst Alabama, thirty students from the College of Business served at free tax preparation sites in Huntsville and Decatur to help prepare 1,416 tax returns for working families, securing them over $2.5 million in tax refunds and saving them over $565,000 in commercial tax preparation fees.

This effort was coordinated by Mr. Tobias Mendelson, Clinical Assistant Professor of Accounting.

**UAH Professor and Eminent Scholar Recognized by ASME**

Dr. Philip Ligrani, Eminent Scholar and Professor of MAE, has received an Outstanding Service Award from the American Society of Mechanical Engineers (ASME) International Gas Turbine Institute. He served as the chairman and vice chairman of the Heat Transfer Committee and was also involved with international scientific commit-

**UAH Clinical Assistant Professor of Nursing Receives Award**

Dr. Mark Reynolds, Clinical Assistant Professor of Nursing, was awarded the Most Outstanding Advisor to a Student Group for his work with the Association of Nursing Students at the annual Student Leaders Awards Ceremony at UAH.

**UAH Clinical Associate Professor Invited to Join Society**

Dr. Beth Barnby, Clinical Associate Professor of Nursing, was invited to join the Society of Inherited Metabolic Diseases as a full voting member. Dr. Barnby is only the second nurse to be offered this prestigious membership.

**UAH Student Awarded Benjamin A. Gilman Scholarship**

Senior UAH student David Weaver received a Benjamin A. Gilman International Scholarship for a summer internship in Australia.

**UAH Research Scientist Appointed to Alabama Commission**

Dr. John Beck, ITSC Principal Research Scientist, was appointed by Governor Kay Ivey on July 24th, 2019, to the newly formed Alabama Commission on Artificial Intelligence and Associated Technologies (Act 2019-269). The commission was
formed to study the policy implications of artificial intelligence technology and will make policy recommendations to advance AI’s growth in the state’s tech sector.

**UAH COLLEGE OF SCIENCE ASSOCIATE PROFESSOR JOINS NASA PROPOSAL REVIEW PANEL**

Dr. Qiang Hu, Associate Professor of Space Science, participated in the 2019 NASA Living With a Star (LWS) program proposal review panel, held in College Park, MD. He was invited to serve as a panelist to judge the scientific merits and relevance of submitted proposals to the LWS program. The outcome of the panel will assist NASA in making selections for awards.

**UAH PROFESSOR AND EMINENT SCHOLAR RECEIVES OUTSTANDING SERVICE AWARD**

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, received the American Society of Mechanical Engineers (ASME) IGTI Outstanding Service Award 2019 for outstanding contributions, commitment, and service to its Heat Transfer Committee.

One of two recipients this year, Dr. Ligrani was recognized for his service as chairman and vice chairman of the committee, as well as for his involvement with international scientific committees and international advisory boards, his editorship activities, his service as a panelist or ad hoc reviewer for various government agencies including the National Science Foundation, and as a reviewer for some of the most prestigious journals in his areas of research.

**UAH PROFESSOR AND EMINENT SCHOLAR APPOINTED AS GUEST PROFESSOR**

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, was appointed as a Guest Professor of the School of Mechanical Engineering of Shanghai Jiao Tong University, Shanghai, P. R. China.

**UAH PROFESSOR AND EMINENT SCHOLAR BECOMES MEMBER OF SCIENTIFIC COMMITTEE**

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, became a member of the Scientific Committee of HMTHSF-2019, the Seventh International Conference “Heat and Mass Transfer and Hydrodynamics in Swirling Flows,” which will take place in the Russian Federation of Rybinsk on October 16-18, 2019.

**UAH PROFESSOR AND EMINENT SCHOLAR JOINS EUROPEAN UNION ACADEMY OF SCIENCES**

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, was invited to join the European Union Academy of Sciences (EUAS), which is an international scientific organization and among the most prestigious in Europe.

The academy is composed of distinguished members worldwide, including the world’s leading
scientists, scholars and business people, aiming to promote excellence in science and technology.

**UAH SYSTEMS CENTER RESEARCHER RECEIVES NASA MSFC RESEARCH AND TECHNOLOGY AWARD**

ITSC Research Scientist Todd Berendes was notified of receipt of the 2019 NASA Marshall Space Flight Center Research and Technology Award for the development and maintenance of the NASA Global Precipitation Measurement (GPM) mission satellite-ground validation radar network (VN) software, data processing and archive, a core component of NASA GPM ground validation activities.

**UAH RESEARCH SCIENTIST RECEIVES PRESTIGIOUS AWARD**

Africa Flores, a Research Scientist at UAH’s Earth System Science Center, was awarded one of the 11 change-maker research grants from National Geographic and Microsoft Artificial Intelligence (AI) for Earth Innovation. Her project will focus on developing a prototype of a harmful algal bloom (HAB) early warning system to inform Guatemalan authorities about upcoming HAB events in Lake Atitlan, a landmark of Guatemala’s biodiversity and culture. The grant will support a multi-disciplinary team of UAH scientists that are working on this project.

**UAH PROFESSOR AND EMINENT SCHOLAR RECEIVES UNIVERSITY DISTINGUISHED RESEARCH AWARD**

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, received the 2019 University Distinguished Research Award for Excellence from UAH.
ADVANCES IN RESEARCH

UAB AND CHILDREN’S OF ALABAMA TO INVESTIGATE NEW TREATMENT FOR PATIENTS WITH PRADER-WILLI SYNDROME

UAB is partnering with Children’s of Alabama as a site for the implementation of an international clinical trial – ZEPHYR – aimed at treating children with Prader-Willi syndrome with a new potential medication. PWS is a rare endocrine disease that occurs in one in 15,000 individuals, most often children. It causes unrelenting hunger and excessive eating, a root cause of morbidity and mortality in PWS patients. The ZEPHYR study will evaluate the safety and efficacy of the investigational drug Livoletide as a potential novel treatment for Prader-Willi syndrome.

And, more than half of the children observed exited the vehicle prior to the adult.

UAB RESEARCHERS ATTEMPT TO PROVE THE IMPORTANCE OF BLOOD THINNERS AFTER HOSPITALIZATION

A study conducted by UAB researchers is attempting to create new guidelines for the use of blood thinners in the weeks following hospitalization. The study, published in the Public Library of Science, found that extending the duration of blood thinners in a patient’s post-discharge period continued to prevent blood clots, including fatal ones.

Blood clots in leg veins and lungs are dreaded complications seen in patients hospitalized for medical illness. Currently, physicians use prophylactic blood thinners in hospitalized patients with an acute medical illness until the time of discharge to prevent these clots. However, the increased risk of clotting still remains after discharge for up to six weeks.

UAB STUDY: PARKING lots PRESENT HIGH RISK OF INJURY, DEATH IN CHILDREN DUE TO LACK OF ATTENTION

A new UAB study shows an alarming need for adult supervision in parking lots, with 67 percent of children observed not having supervision at some point between the vehicle’s parking and the child’s entering the building.

The study, published in the Journal of Safety Research, observed 124 children ages 2-10 and their adult supervisors as they crossed a parking lot from their parked vehicle into a community recreation center. While a majority of children are unsupervised, the study also showed that 88.9 percent of children in a parking lot are outside of an adult’s arm reach.

Study Site at UAB: HOW VAPING, ENVIRONMENT AND LIFESTYLE IMPACT LONG-TERM LUNG HEALTH IN MILLENNIALS

The long-term impact on someone’s lungs while vaping – the act of inhaling and exhaling the aerosol, often referred to as vapor, which is produced by an e-cigarette or similar device – is not yet known, and there is no hard evidence that shows whether poor air quality where
a person grows up puts them at higher risk for respiratory conditions later in life. These issues, and much more, will be examined in a large, first-of-its-kind longitudinal study of lung health, funded by the National Institutes of Health. The study, titled “The American Lung Association Lung Health Cohort,” is supported by a $24.8 million grant awarded by the National Heart, Lung, and Blood Institute (NHLBI), part of the NIH. The University of Alabama at Birmingham will serve as a major study site.

**UAH Assistant Professor Exhibits Artwork**

Katie Baldwin, Assistant Professor in the Department of Art, Art History & Design, showed her artwork in two separate exhibitions at 3331 Chiyoda Gallery I in Tokyo Japan, one entitled Un/Fold and the second Light & Shade.

**UAH Associate Professor Exhibits Artwork**

Associate Professor José Betancourt exhibited his collaborative Blueprints with artist Susan Weil at Galerie Rudiger Schottle in Munich, Germany and at Art Basel, Art Fair in Switzerland.

**UAH Professor and Interim Chair of Art, Art History & Design Exhibits Artwork**

Professor Kathryn Jill Johnson displayed her artwork in two solo exhibitions, Imitations at the North Charleston City Gallery in North Charleston, SC and Throwness at the Rosewood Gallery in Kettering, OH. She was also part of a four-person exhibition, along with Roxie Veasey, Lecturer of Art, entitled You Are Here: Representations of Place and Process at the Arts Huntsville Gallery.

**UAH Chair of Communication Arts Department Publishes Book**

Dr. Pavica Sheldon, Chair and Associate Professor of Communication Arts, published the book The Dark Side of Social Media: Psychological, Managerial, and Societal Perspectives.

**UAH Chair of Communication Arts Publishes Three Journal Articles**

Dr. Pavica Sheldon, Chair and Associate Professor of Communication Arts, published three journal articles: “Instagram and American Teens: Understanding Motives for its Use and Relationship to Excessive Reassurance-seeking and Interpersonal Rejection” in The Journal of Social Media in Society; “Culture and Social Media: The Relationship Between Cultural Values and Hashtagging Styles” in Behavior & Information Technology; and “Forgive and Forget: A Typology of Transgressions and Forgiveness Strategies in Married and Dating Relationships” in Western Journal of Communication.
the essay, "Leading Over the Long Run: Rhetorical Consequentialism and Rhetorical Leadership," as the lead article in *Res Rhetorica*’s special issue on rhetoric and leadership.

**UAH Associate Professor of Communication Arts Publishes Book Chapter and Online Article**

Dr. Eletra Gilchrist-Petty, Associate Professor of Communication Arts, published the chapter "You Don’t Know What You Don’t Know: Mitigating Uncertainty in Transracial Adoption" in *Casing the Family: Theoretical and Applied Approaches to Understanding Family Communication*.

In addition, Dr. Gilchrist-Petty published the online article, "eTools: Using Turnitin in the Classroom" on the National Communication Association’s website.

**UAH Assistant Professor of Communication Arts Publishes Article**

Dr. Candice Lanius, Assistant Professor of Communication Arts, had a paper entitled "Torment Porn or Feminist Witch Hunt: Apprehensions about the #MeToo Movement on /r/AskReddit" published in the *Journal of Communication Inquiry*.

**UAH Assistant Professor of Political Science Publishes Article**

Dr. Shuang Zhao, Assistant Professor of Political Science, co-authored the article "Advancing the Symptom Science Model with Environmental Health," which is published in *Public Health Nursing*.

**UAH Philosophy Professor Publishes Book**


**UAH Associate Professor of Sociology Co-authors Article on Sociological Research Methods**

Dr. Christina Steidl along with Dr. Regina Werum (University of Nebraska-Lincoln), had a paper titled, "If All You Have is a Hammer, Everything Looks like a Nail: Operationalization Matters" published in *Sociology Compass*. This research was funded by a National Science Foundation grant.

**UAH Professor Has Articles Accepted for Publication**

Dr. Jeet Gupta, Eminent Scholar and Professor of Information Systems, had a paper titled "Integrating Preventive Maintenance Activities to the No-wait Flow Shop Scheduling Problem with Dependent-sequence Setup Times and Makespan Minimization," accepted for publication in *Computers and Industrial Engineering*. This paper was co-authored with colleagues from Brazil.

Dr. Gupta also co-authored a paper with Dr. Anna Devlin and colleagues from China and Australia titled "Supply Chain Coordination with a Risk-averse Retailer and a Combined Buy-back and Revenue Sharing Contract". This paper has
been accepted for publication in the *Asia-Pacific Journal of Operations Research*.

Dr. Gupta’s third acceptance titled “Flowshop Scheduling with Artificial Neural Networks” co-authored with two colleagues from India, will be published in the *Journal of Operational Research Society*.

**UAH Professors Have Paper Accepted for Presentation**

Dr. Ravi Patnayakuni, Associate Professor of Information Systems, and Dr. William MacKenzie, Associate Professor of Management, have co-authored a paper titled, “Human Resources Analytics Adoption: A Motivation, Opportunity and Ability Model” which has been accepted for presentation at Americas Conference on Information Systems.

**UAH Eminent Scholar Publishes Invited Blog Posts**


**UAH Researchers Conduct Economic Impact Study**

Dr. Brinda Mahalingam, Senior Lecturer of Economics, and Jeff Thompson, Research Scientist for the Center for Management and Economic Research, conducted an economic impact study for HudsonAlpha Institute for Biotechnology. Their study showed that HudsonAlpha has made a $2.45B impact on Alabama’s economy.

**UAH College of Education Assistant Professor Has Article Published**

Dr. Sarah A. Roller, Assistant Professor in the Department of Curriculum and Instruction, had a co-authored paper entitled, “Photographs and Learning Progressions: Supports for Intentional Assessment and Instruction in Mathematics” published in *Young Children*.

**UAH College of Education Associate Professor Has Article Accepted for Publication**

Dr. Jason L. O’Brien, Associate Professor in the Department of Curriculum and Instruction, had a peer-reviewed manuscript titled “Moroccan Arabic: The Battlefield of Language Ideologies” accepted for publication in *Journal Arbitrer*, an international journal of linguistic research.

**UAH College of Education Assistant Professor Has Peer-Reviewed Materials Published**

Dr. Sarah A. Roller, Assistant Professor in the Department of Curriculum and Instruction, had supplemental materials for AMTE Standards entitled, “Preparing Teachers of Mathematics with a Math Work Station Project” published by the Association of Mathematics Teacher Educators.
UAH Chair of Curriculum and Instruction Department Has Article Accepted for Publication

Dr. Wolfram Verlaan, Associate Professor and Chair of the Curriculum and Instruction Department in the College of Education, had a peer-reviewed paper entitled, "Relative Contributions of Literal and Inferential Reading and Listening Comprehension to the Reading Comprehension of Narrative and Expository Texts in Middle Grade Students" accepted for publication in the Association of Literacy Educators and Researchers Yearbook Volume 41: Educating for a Just Society.

UAH Nursing Faculty Publish in Journal

Dr. Ellise Adams, Professor and Dr. Angela Hollingsworth, Clinical Assistant Professor of Nursing, published an article entitled "The Implementation of a Cultural Change Toolkit to Mitigate Nurse Turnover, Reduce Nursing Burnout and Promote a Positive Practice Environment" in the Journal of Emergency Nursing.

UAH Clinical Assistant Professor of Nursing Publishes in International Journal

Dr. Angela Hollingsworth, Clinical Assistant Professor of Nursing, published "Effects of a 3-week High-Fat Low-Carbohydrate Diet on Lipid and Glucose Profiles; Case Studies in 8 Experienced Middle-age Male Runners".

UAH Associate Professors of Nursing Co-Publish

Dr. Yeow Chye Ng and Dr. Louise O'Keefe, Associate Professors of Nursing, co-published "Addressing Transgender Patients' Barriers to Access Care" in Nurse Practitioner, and "The Art of Administering a Tuberculin Skin Test: Wheal Does Matter" in Clinical Advisor.

UAH Associate Dean of Graduate Programs Publishes Articles

Dr. Karen Frith, Professor and Associate Dean of Nursing, published "Research and Development of New Technology with International Collaborators: What You Must Know About Export Control" and "Artificial Intelligence: What Does it Mean for Nursing?" in Nursing Education Perspectives.

Nursing Faculty at UAH Publish in Journal

Dr. Sharon Coffey and Dr. Angela Hollingsworth, Clinical Assistant Professors of Nursing, published "A 28-Year-Old Woman with Tetanus" in the Journal of Emergency Nursing.

UAH College of Nursing Faculty Members Co-Publish

Dr. Beth Barnby, Clinical Associate Professor, Dr. Mark Reynolds, Clinical Assistant Professor, and Dr. Pamela O'Neal, Professor of Nursing, published "Genomic Science-From 2001 to Present Day: What School Nurses Need to Know" in NASN School Nurse.
UAH Clinical Professor Publishes Book Chapter


UAH Nursing Faculty Member Publishes Article

Dr. Lenora Smith, Assistant Professor of Nursing, published “Harnessing Technology to Support Persons with Dementia and Their Caregivers.” This publication was accepted by the Alzheimer’s disease and related Dementias/technology and Age Interest Group Symposium, Gerontological Society of America Annual Scientific Annual Meeting.

UAH College of Nursing Receives Two Unrestricted Grants

Dr. Beth Barnby, Clinical Associate Professor and Dr. Mark Reynolds, Clinical Assistant Professor of Nursing, received two unrestricted grants totaling $22,500 to the Tyrosinemia Foundation they started in February 2019.

UAH College of Science Graduate Student Wins Prestigious Fellowship

Nabil M. R. Hoque, Ph.D. student advised by Prof. Lingze Duan in the Physics & Astronomy Department, was awarded the 2019-2020 Graduate Research Scholars Program (GRSP) $25,000 fellowship sponsored by the Alabama Commission on Higher Education (ACHE).

UAH College of Science Graduate Student Wins NASA Fellowship

Atmospheric Science graduate student Christopher Gerlach, advised by Dr. Phillip Bitzer, was awarded the Future Investigators in NASA Earth and Space Science and Technology (FINESST) fellowship.

UAH College of Science Professor Receives Grants

Massimiliano Bonamente, Professor in the Physics & Astronomy Department, received a $35K grant from the Alabama Space Grant Consortium to support the Ph.D. work of graduate student Mr. Patrick Holt, and a $35K grant from NASA (NESSF program) to support the Ph.D. work of graduate student Ms. Deanna Smith.

UAH College of Science Professor Receives Grant

Seyed Sadeghi, Associate Professor in the Department of Physics & Astronomy, received an NSF grant “Collaborative Research: Plasmonically-Induced Phase-Correlated Ultralong Transport of Excitation Energy in Viral Quantum Dot Circuits” for a total of $290,625.

UAH College of Science Professor Publishes Papers

Dr. Seyed Sadeghi, Associate Professor in the Department of Physics & Astronomy, published

**UAH CSPAR Scientist Assists NASA’s Artemis Program**

The Artemis program is an ongoing crewed spaceflight program carried out by NASA, U.S. commercial spaceflight companies, and international partners such as ESA, with the goal of landing “the first woman and the next man” on the lunar south pole region by 2024.

Dr. James Adams, CSPAR scientist, has been selected by NASA to develop the design reference radiation environment that is to be included in the specifications for the Artemis lunar lander. The design reference environment is the most severe radiation environment that the landers will experience during their anticipated 9-day mission from the Lunar Gateway to the lunar surface and back.

**UAH Professor and Eminent Scholar Publishes Numerous Articles**


**UAH CSPAR Principal Scientist and Adjunct Professor Publishes**


**UAH Center for Space Plasma and Aeronomic Research Employees Receive Grant**

CSPAR Scientists Evgeny Kuznetsov and Naranya Bhat, and Rotorcraft Scientist Doug Huie, received a NASA grant to support research on the project, “Neutron Measurements at the Lunar Surface.”
UAH COLLEGE OF SCIENCE
PROFESSOR PUBLISHES PAPERS

UAH COLLEGE OF SCIENCE
PROFESSOR RECEIVES MULTIPLE GRANTS
Dr. Gang Li, Professor of Space Science, received multiple grants totaling $437,000 for “Linking Energetic Storm Particles to their Upstream Physical Conditions and Shock Properties”, NASA-LWS; “Energetic Particles in the Heliosphere and Magnetosphere”, NASA-HQ; and “Successive Coronal Mass Ejections and Associated Solar Energetic Particles”, NASA-HSR.

UA RESEARCH SHOWS MAYA VIOLENT WARFARE OCCURRED EARLIER THAN THOUGHT
Dr. Alexandre Tokovinine, UA assistant professor of anthropology, is part of a team of researchers who show brutal warfare in Mayan civilizations occurred earlier than previously thought. Evidence of extreme warfare tactics in the Maya lowlands, during a time described as a peak in prosperity and artistic sophistication, is described in a paper published online in Nature Human Behaviour. Tokovinine participated in the survey of the Maya archaeo-logical site of Witzna, helping identify defensive features along with documenting and studying monuments.

UA TO LEAD STUDY ON IRRIGATION-FED FARMING IMPACTS IN DEEP SOUTH
Unique research led by UA will study whether more irrigation-fed farms in the Deep South could lead to a more robust agriculture industry, possibly becoming an even greater economic engine. With a four-year, $1.75 million grant, UA researchers will examine how a transition from rain-fed farming to irrigation-fed farming in the Deep South could impact harvests and water use, providing crucial data to policymakers considering initiatives to encourage irrigation. The study will look at the Mobile River Basin, the 44,600 square miles that drain into Mobile Bay. The research team will examine how the linked resources of food, water and energy within the basin would be impacted through a transition to irrigation farming.

COLD-TOLERANT BUMBLE BEES FOCUS OF UA RESEARCH EFFORT
Researchers at UA will lead a genetic investigation into whether the environment influences cold tolerance in bumble bees. The goal is to use genomics, chemistry and physiology to predict how bumble bees survive the dramatic differences in environmental conditions across elevation gradients. Dr. Jeff Lozier, UA associate professor of biological sciences, is part of group of scientists across the country who will examine this phenomenon as part of a recently
awarded $1.4 million grant from the National Science Foundation.

**UA Professor to Play Role in Upgrade of Particle Detector in Antarctica**

Dr. Dawn Williams, UA professor of physics and astronomy, is part of the team that will upgrade the IceCube Neutrino Observatory, the Antarctic detector that identified the first likely source of high-energy neutrinos and cosmic rays. Williams will coordinate enhancing the calibration of the detector, part of a project involving an international team of scientists working on the observatory, an array of 5,160 basketball-sized optical sensors deeply encased within a cubic kilometer of clear Antarctic ice. The $37 million IceCube Upgrade, to be deployed during the 2022-23 polar field season, has now secured $23 million through an NSF mid-scale research award.

**UA Traffic Laboratory: Red Light, Green Light.**

There are about 650,000 signals controlling traffic in the United States, with the vast majority of them left alone after installation. Only when motorists complain do governments tinker with the signal timing and detection. A team at The University of Alabama is working to change that, modernizing traffic lights to become smarter and communicate with vehicles passing through. UA researchers have struck a unique partnership with the Alabama Department of Transportation, and the local cities of Tuscaloosa and Northport to turn the area around the University into a traffic laboratory. Throughout the area, 85 traffic signals are equipped with data logging and radio communication devices that collect data from real traffic. It’s not just used for academic study, but to improve traffic in the Tuscaloosa area now.

**UA Research Shows Female CFOs May Be Better Than Males at Preventing Financial Fraud**

Companies with female chief financial officers are less likely to misreport key data in financial statements, according to research from UA. A research paper, “CFO Gender and Financial Statement Irregularities,” published online in the *Academy of Management Journal*, also notes firms with weak internal controls and oversight with a male as CFO are associated with more financial misreporting than those with a female CFO. The study relied on a novel approach toward measuring financial misreporting that considered the data in a financial statement against the data expected under Benford’s Law of anomalous numbers, a tool widely used in forensic accounting and auditing. This methodology reliably flags likely financial misreporting and correlates well with several trusted accounting measures used to identify financial misstatements.

**UA Accounting Study: Expanded CFO Roles a Plus for Corporate Governance**

A notable development over the past two decades is financial officers considerably expanding their
role in management, often assuming the additional position of chief operating officer. The effect on companies' operations and financial reporting is unclear. Managers from a financial background can fulfill operational roles admirably, according to a new study of corporate governance led by accounting faculty at UA.

**UA Study: Through the Glass Ceiling**

The glass ceiling may be shattering as more women become CEOs. Women lead about 5 percent of the nation's largest firms. That is a low figure, considering nearly half the workforce in the U.S. are women, but it is much higher than three decades ago when the ceiling was both thick and effective. This change is opening a new area of study for two business professors at UA, Drs. Vishal Gupta and Sandra Mortal. There is a wealth of research into the factors influencing the climb up the corporate ladder, but not much study of what happens after women become chief executive officers. So far, they have published three papers and others are in the works. One finding shows gender equity, while the other two find gender bias still lurking.

**UA Data Analysis: First Animal Not What Scientists Have Long Thought**

The last common ancestor of all animal life was more like modern stem cells and not a clump of similar cells, as has long been thought. The finding, published in *Nature*, will likely mean rewriting textbooks and encyclopedias as it changes the idea that the common ancestor of all animals about 800 million years ago was a simple ball of cells. Instead, the first multicellular animal was likely a collection of cells that could transition into multiple types, much like modern stem cells that give rise to the specialized cells in animals. Dr. Kevin M. Kocot, assistant professor in biological sciences and curator of invertebrate zoology in the Alabama Museum of Natural History, performed genetic data analysis for a team of scientists from University of Queensland in Australia, who led the research.
**News About Development**

**Recent Gifts to UAH**

Dr. Larry R. Gerlach has donated $75,000 to establish the Gail Brooks Gerlach Scholarship, to be awarded to a student in their final year of study within the College of Education, who is pursuing a degree with an emphasis in History or English.

Ford Motor Company has awarded $50,000 to Mechanical and Aerospace Engineering Professor Dr. Guangsheng Zhang to support his research activities.

Hill Crest Foundation has given $50,000 to fund the Hill Crest Excellence for Undergraduate Nursing Endowed Scholarship.

Maynard Industries has donated $50,000 to the Hockey Project account to be used for recruiting travel expenses, weight room, and office expenses, along with equipment for the hockey program, and branding and marketing materials.

Ms. Angela Shih has donated $50,000 to the Cornelius Shih Memorial Graduate Student Fund.

DENSO North America Foundation has given $40,000 to the College of Engineering to be used for Engineering Senior Design Projects.

The Pei-Ling Chan Trust has contributed $26,000 to establish the Kathy L. Chan Scholarship in Music.

COLSA Corporation has made a donation of $21,400 to provide workstations for Mechanical and Aerospace Engineering students through a Measurements and Instrumentation Lab.

Alabama Car Tag donors have contributed $17,739 to the Alabama Car Tag Scholarship.

Gleason Research has given $10,700 to purchase spectrum analyzers for the Electrical and Computer Engineering Department for students to learn, utilizing modern test equipment.

AYSO Region 5-C-498 has contributed $10,000 to the Men’s Soccer Gear account to be utilized for program equipment.

**UA Awarded $1.4 Million Grant to Establish Alabama Power Innovation Fund**

UA has been awarded a $1.4 million grant from the Alabama Power Foundation to support business innovation, entrepreneurship, small business growth and talent retention in the state. The gift, which will establish the Alabama Power Endowed Innovation and Talent Retention Fund, will develop and sustain resources dedicated to business innovation and entrepreneurship, creating a lasting positive economic impact on the state of Alabama and its citizens. Managed through the UA Office of the Vice President for Research and Economic Development, the fund will enhance existing efforts while empowering the University to identify new ways to inspire and support a new wave of business growth in the state with a specific focus on talent retention.
NEW ASSOCIATE VICE PRESIDENT FOR DEVELOPMENT NAMED AT UA

Bobby Prince was recently named associate vice president for development in the Division of Advancement at UA. With more than two decades of experience in development, Prince brings a wealth of knowledge and expertise that will assist UA in its fundraising initiatives and projects. Prince will oversee the UA Office of Development, which is responsible for all academic fundraising including principal gifts, major gifts and annual gifts to the University.

Current fundraising initiatives being spearheaded by development include the Hewson Hall Campaign, the Campaign for the Performing Arts, fundraising to support the Blackburn Institute and annual giving efforts such as the Bama Blitz day-of-giving campaign and the We Are UA faculty/staff campaign.

ENDOWED SCHOLARSHIP AT UAB TO SUPPORT BIRMINGHAM CITY SCHOOL GRADUATES

UAB Health System CEO Will Ferniany and his wife Dana have given funds to establish the Ferniany Endowed Scholarship to support graduates from Birmingham City Schools.

UAB FACULTY MEMBER CREATES ENDOWED AWARD

John Mayer, Ph.D., a faculty member in the College of Arts and Sciences, has pledged $25,000 to establish the Dr. John Clyde Mayer Endowed Mathematics Fast Track Travel Award. This fund will provide an award to undergraduate or gradu-ate students in the Department of Mathematics’ Fast Track Program who are planning to present a paper, poster or lecture in mathematics at an approved academic conference.

NEW ENDOWMENT AT UAB TO SUPPORT HEALTH ADMINISTRATION STUDENTS

Jim Burkhart has pledged $25,000 to establish the James R. and Tina D. Burkhart Endowed Support Fund for MSHA to support professional development opportunities for students in the Master of Health Administration program in the School of Health Professions.

NEW ENDOWED SCHOLARSHIP AT UAB IN PHYSICS

Andrea Wenger has pledged funds to establish the Dr. Lowell Wenger Endowed Scholarship in the College of Arts and Sciences. The scholarship will support physics students who demonstrate solid academic promise and achievement.

SUPPORT FUND ESTABLISHED AT UAB FOR WOMEN IN HEALTH CARE

Doris B. Reinhart has generously pledged funds to establish an endowed support fund in the Department of Health Services Administration in the School of Health Professions. The Doris B. Reinhart Endowed Support Fund for Mentoring to Advance Women in Health Care aims to create a sustainable and long-term mentor-ship program to help address the multigenerational challenge of making the health care industry more equitable and representative.
CONFERENCE/SYMPOSIA/PROGRAMS

UA INITIATES CAMPUS SAFETY DISCUSSION WITH SEC PEERS

UA hosted the inaugural Southeastern Conference Threat Assessment Summit, bringing together those tasked with campus safety responsibilities at their respective SEC universities. The summit's focus was discussing topics that affect attendees daily and to better understand the practices and procedures that ensure a safe campus environment at each SEC university. UA's Office of Threat Assessment led the two-day summit. SEC Threat Assessment Summit attendees were able to network, share ideas and establish relationships with their counterparts. Representatives from participating universities gave an overview of their respective institutions' threat assessment program.

UA FACULTY, STAFF HELP COLLEGE-PREP CAMPERS EXPLORE POSSIBILITIES

The University of Alabama Early College recently hosted its annual Leaders Exploring Academic Possibilities camp. LEAP, which has grown since its inception in 2016, hosted two summer camps this year. Activities focused on academics, service and leadership.

LEAP helps its students understand the breadth of college majors and career opportunities, immersing them in various technology demonstrations and discussions with faculty and staff across campus. From theatre and dance to criminal justice and social work, UA Early College staff model the agenda for a well-rounded thinker. Students then get to choose one of the following career tracks: science or social services, health care, engineering, communication or business to combine with their service work around Tuscaloosa.

UAB TO HOST MUSE MUSICIANS' CONFERENCE 2020

MUSE, a one-day conference dedicated to providing artists with the tools necessary to be successful in the music industry, is happening March 25, 2020, at UAB.

The inaugural MUSE Conference will be presented by UAB’s Alys Stephens Performing Arts Center. It is for seasoned, new and aspiring musicians. Conference attendees will hear firsthand from and participate in discussions led by music industry professionals. There will be local, musician-centric vendors as well as food trucks on-site.

UAB CONCERT CHOIR CHOSEN TO PERFORM AT CHORAL CONFERENCE IN 2020

The UAB Concert Choir has been selected as a performing ensemble at the Southern Regional Conference of the American Choral Directors Association in Mobile in March 2020.

The UAB Concert Choir, under the direction of Associate Professor Brian Kittredge, DMA, is the premier choral ensemble at UAB. It features approximately 50 auditioned singers from many disciplines across campus, and while a large percentage of
the group are pursuing music studies, there are other majors also represented in the ensemble.

The conference will feature 20 choirs from many categories, including children’s choirs, middle school choirs, high school choirs, women’s and men’s choirs, and collegiate and community choirs.

UAB HOSTS INAUGURAL
BIRMINGHAM SUSTAINABILITY
LEADERSHIP SUMMIT

UAB hosted the inaugural Sustainability Leadership Summit on Wednesday, July 10. Sponsored by UAB Sustainability and the Collat School of Business, the summit provided a unique opportunity for sustainability practitioners at leading companies with significant operations in Birmingham to discuss successes and barriers to meeting their sustainability targets.

This is the first time the business community has come together to discuss and share their ideas and find a way to work together on sustainability efforts. Corporate attendees include Milo’s, Regions, Brasfield & Gorrie, Royal Cup, Securitas, The World Games, EBSCO, City of Birmingham, Coca-Cola Bottling Company United, Publix, and UAB.

UAH ASSISTANT PROFESSOR OF ART GIVES WORKSHOPS

Katie Baldwin, Assistant Professor in the Department of Art, Art History & Design, presented two prestigious workshops this summer, the first, held in Tokyo, Japan was a Mokuhunga workshop co-sponsored by The Women’s Studio Workshop and Mi-Lab, and the second, on woodblock printing, at Anderson Ranch in Aspen, CO.

UAH DISTINGUISHED PROFESSOR OF GERMAN PRESENTS AT INTERNATIONAL CONFERENCES

Distinguished Professor of German Dr. Rolf J. Goebel presented a paper titled “Phonographic Retro: Intermedial Resignifications of the Gramophone and Record Player” at the 11th International Conference on Word and Music Studies in Karl-Franzens-Universität Graz, Austria. He also gave an invited lecture at the Warburg Haus Hamburg titled “Orpheus Digital: Klang, Bild und Welt im Medienzeitalter” (Digital Orpheus: Sound, Image, and the World in the Media Age).

UAH ASSOCIATE PROFESSOR OF FRENCH PRESENTS AT INTERNATIONAL CONFERENCE

Dr. Kwaku Gyasi, Associate Professor of French, presented his paper “Intertextuality, Memory and Orality in Alain Mabanckou’s Verre Cassé” at the Annual Meeting of the French Colonial Historical Society in Montreal, Canada.

UAH PROFESSOR OF SPANISH PRESENTS AT INTERNATIONAL CONFERENCE

Dr. Linda S. Maier, Professor of Spanish and Director of Latin American Studies, presented a paper titled “Música y metapoésia en El otro, el mismo de Jorge Luis Borges” [“Music and Metapoetry in Jorge Luis Borges’s The Self and the Other”] and chaired a panel on Mexican poetry.
at the International Association of Hispanists conference held at Hebrew University in Jerusalem, Israel.

**UAH Assistant Professor of Communication Arts Participates in Biennial Rhetoric Institute**

Dr. Candice Lanius, Assistant Professor of Communication Arts, presented “Uttered From the Heart: Writing a Sensory Rhetoric with Heart Rate Monitoring” at the Writing Sensory Rhetoric Workshop at the Rhetoric Society of America’s Summer Institute in College Park, MD.

**UAH Communication Arts Lecturer Presents at Conferences**

Dr. Piyawan Charoensap-Kelly, Lecturer of Communication Arts, presented the “Science Communication: Conflict Management Workshop” to The University of Southern Mississippi Gulf Coast Research Laboratory, and “Communicating Across Generations Workshop” to Northrop Grumman in Huntsville. She also chaired and presented in the panel “When Emotion Takes Over Reason: Teacher-Student Conflict Management for Highly Emotional Situations” at the Annual Alabama Communication Association Conference at The University of Montevallo.

**UAH Communication Arts Lecturer Presents at Alabama Communication Association Meeting**

Dr. John H. Saunders, Lecturer in Communication Arts, presented “Using Extra Credit for Assessment” and moderated the panel “Communication and Media in Educational, Electoral and Legal Contexts” at the annual meeting of the Alabama Communication Association in Montevallo.

**UAH Professors Present at User Group**

Dr. Jeet Gupta, Eminent Scholar and Professor of Information Systems, and Dr. Ravi Patnayakuni, Associate Professor of Information Systems, presented at America’s SAP User Group, Tennessee Chapter, regarding UAH’s programs and curriculum related to Enterprise Systems.

**UAH Professor Presents at International Conference**

Dr. W. David Allen, Professor of Economics, presented a research paper titled “Human Capital, Performance, and the Consistency of Young Workers: Evidence from Formula One” at the German Institute for Economic Research (Deutsches Institut für Wirtschaftsforschung, DIW) annual Sport Economics and Sport Management conference in Berlin, Germany, and at the Western Economic Association annual conference in San Francisco, CA.
UAH PROFESSOR PRESENTS RESEARCH AT CONFERENCES

Dr. Natalie Malak, Assistant Professor of Economics, presented “Baby Bonus, Anyone? Examining Heterogeneous Responses to a Pro-Natalist Policy” at the Meetings of the Society of Economics of the Household, in Lisbon, Portugal; “When Good Fences Aren’t Enough: The Effect of Neighboring Air Pollution on Infant Health Outcomes” at the American Society of Health Economists Conference in Washington, DC; “Can Contingency Fee Reforms Improve Maternal & Infant Health? Evidence from Nevada” at the IRDES-Dauphine Workshop on Applied Health Economics & Policy Evaluation in Paris, France; “First, Do No Harm; Second, Say Sorry?” at the Canadian Health Economists’ Study Group Annual Conference in Banff, Canada; and “A Re-Examination of the Effects of Tort Reforms on Obstetrical Procedures and Health Outcomes” at the Canadian Economics Association Annual Conference in Banff, Canada.

UAH COLLEGE OF EDUCATION ASSISTANT PROFESSOR GIVES PRESENTATION

Dr. Paul N. Whitehead, Assistant Professor in the Department of Kinesiology, presented “Use of Team Heart-rate Monitoring System to Assess the Demands of Competition in Collegiate Ice Hockey Players” at the National Strength and Conditioning Association 2019 National Conference, held in Washington, DC.

UAH COLLEGE OF EDUCATION LECTURER PRESENTS AT INTERNATIONAL MEETING

Dr. David Kyle, Director of the Ability Sport Network and Lecturer in the Department of Kinesiology, presented a research poster “The Impact of Youth Adapted Sport on Physical Activity of Adults with Disabilities” at the biennial International Symposium on Adapted Physical Activity in Charlottesville, VA.

UAH NURSING FACULTY MEMBERS GIVE POSTER PRESENTATION

Dr. Ellise Adams, Professor, and Dr. Angela Hollingsworth,
Clinical Assistant Professor of Nursing, provided a poster presentation on “The Implementation of a Cultural Change Toolkit to Mitigate Nurse Turnover, Reduce Nursing Burnout and Promote a Positive Practice Environment” at the DNP Intensive in Huntsville.

UAH ASSOCIATE PROFESSOR PRESENTS TWO PAPERS

Dr. Yeow Chye Ng, Associate Professor of Nursing, presented two papers at the Sigma Theta Tau International’s 30th International Nursing Research Congress entitled “Should Pre-Exposed Prophylaxis (PrEP) Services be Blamed for the Increased Rate of Sexually Transmitted Infections?” and “Pre-Exposed Prophylaxis (PrEP) Protocol for the Urgent Care Setting.”

UAH ASSOCIATE DEAN OF GRADUATE PROGRAMS GIVES PRESENTATIONS

Dr. Karen Frith, Associate Dean for Graduate Programs of Nursing, gave a presentation entitled “Development of a Home Use Medication Organizer to Improve Patient Adherence to Medication Regimens” at the Sigma Theta Tau International Honor Society of Nursing, and “Smart Medication Organizer to Improve Adherence” to the Alabama State Nurses Association in Montgomery.

UAH CLINICAL ASSISTANT PROFESSOR OF NURSING GIVES PRESENTATION

Dr. Anna Aultman, Clinical Assistant Professor of Nursing, presented to the Sigma Theta Tau International Honor Society of Nursing in Calgary, Canada. Dr. Aultman’s presentation was entitled “Global Collaborations Using Emerging Technologies to Promote Teaching Innovations”.

DEAN OF GRADUATE SCHOOL AND INTERNATIONAL SERVICES AT UAH PRESENTS AT SUMMER WORKSHOP

Dr. David Berkowitz, Dean of the Graduate School and International Services presented “Why Students Are Not Going To Graduate School” at the annual Council of Graduate Schools Summer Workshop and New Dean’s Institute in San Diego, CA.

DEAN OF GRADUATE SCHOOL AND INTERNATIONAL SERVICES AT UAH ATTENDS INFORMATION TOUR

Dr. David Berkowitz, Dean of the Graduate School and International Services, attended the DAAD German Academic Exchange Service Internationalization of German Universities in Hamburg, Bremen, Götting, Gießen, and Bonn, Germany.

DEAN OF GRADUATE SCHOOL AND INTERNATIONAL SERVICES AT UAH PRESENTS AT INTERNATIONAL WORKSHOP

Dr. David Berkowitz, Dean of the Graduate School and International Services, presented “Research Challenges in International Cooperation” at DAAD workshop in Bonn, Germany.
ASSOCIATE DEAN OF GRADUATE SCHOOL AND INTERNATIONAL SERVICES AT UAH PRESENTS AT FORUM

Dr. Yeqing Bao, Associate Dean of the Graduate School and International Services, presented “Marketing Faculty Recruiting in the US” at the China Marketing International Conference 2019 and China Innovation Forum in Guangzhou, China.

UAH CSPAR PRINCIPAL SCIENTIST PRESENTS AT INTERNATIONAL CONFERENCES

Dr. Vladimir Kolobov, Principal Scientist at CSPAR and Adjunct Professor of Space Science, gave several presentations: “Plasma Simulations with Basilisk” at the Basilisk/Gerris User Meeting in Paris, France; “Formation of Electron Groups in Solar Wind and Gas Discharge Plasmas” at the 14th International Conference on Numerical Modeling of Space Plasma Flows (ASTRONUM-2019) in Paris, France; “Simulations of Glow and Arc Discharges with Liquid Electrodes” at the Joint XXXIV International Conference on Phenomena in Ionized Gases (XXXIV ICPIG) and the 10th International Conference on Reactive Plasmas (ICRP-10) in Sapporo, Japan; and “Electron Kinetics in Low-Temperature Plasmas” at Laboratoire de Physique des Plasmas, École Polytechnique in Palaiseau, France.

UAH COLLEGE OF SCIENCE ASSOCIATE PROFESSOR GIVES INVITED TALK

Dr. Robert Preece, Associate Professor of Space Science, presented “The Fermi Gamma-Ray Burst Monitor in the Multi-Messenger Age” at the 2019 Nanjing GRB Conference, held in Nanjing, China.

UAH PROFESSOR AND EMINENT SCHOLAR GIVES PRESENTATION

Dr. Phil Ligrani, Eminent Scholar in Propulsion and Professor of Mechanical and Aerospace Engineering, presented “Linear Cascade and Wind Tunnel Development for Turbine Blade Tip Heat Transfer Investigations With and Without Film Cooling” at the ASME TURBO EXPO 2019: Turbo-machinery Technical Conference and Exposition Meeting, held in Phoenix, AZ.
NO. 1 AGAIN – TIMES HIGHER ED RANKS UAB THE TOP YOUNG U.S. UNIVERSITY FOR SECOND YEAR IN A ROW

UAB has been ranked the top young university in the United States for the second year in a row and secured a spot as the No. 12 young university worldwide in the Times Higher Education 2019 Young University Rankings.

The group ranked more than 300 institutions from 60 different countries in this year's Young University Rankings, which employ the same rigorous indicators as the Times Higher Education World University Rankings — with young universities measured across their teaching, research, citations, international outlooks and industry outcomes.

UAB MEMORIES AND ORAL HISTORY PROJECT DEPICT THE IMPACT OF THE UNIVERSITY OVER 50 YEARS

UAB is celebrating 50 years of dreams and discoveries. Anyone who is part of the UAB family — students, alumni, employees, patients and community members — has the opportunity to share their stories and memories as part of an oral history project. UAB is looking for stories celebrating education, patient care and community impact.

Memories can be shared via the recording booth at Mervyn H. Sterne Library. Stories shared as part of the project will be stored, published and promoted as part of UAB’s 50th anniversary. UAB Archives will store the memories so future Blazers can hear the impact UAB has had on individuals and communities.

UAB NEWS AND EXPERTS FEATURED IN SEVERAL NATIONAL AND INTERNATIONAL NEWS OUTLETS IN JULY

UAB receives regular local, national and international media coverage about its news, experts and impact. In July alone, UAB was featured on CNN, the Today show, ABC and NBC national news, MSN, STAT, People Magazine, Reuters, The New York Times, Money, Rolling Stone, U.S. News & World Report, Yahoo!, Associated Press, and Daily Mail, among others. UAB’s Matt Might is expected to be featured on season one of the Netflix series "Diagnosis."

VIVA HEALTH AT UAB HEALTH SYSTEM NAMED ONE OF THE BEST PLACES TO WORK IN HEALTH CARE

VIVA HEALTH has been selected by Modern Healthcare as one of the best places to work in health care for 2019. The company is part of the UAB Health System and has 540 employees.

VIVA HEALTH specializes in offering high-quality, affordable medical and prescription drug coverage, including Medicare Advantage and employer group plans. In addition, VIVA HEALTH provides care coordination services for Medicaid recipients in many parts of the state. Based in Birmingham, VIVA HEALTH also has offices in Mobile,
Montgomery, Dothan, Auburn and Florence.

**UAB Health System Reaches Agreement with UnitedHealthcare**

The UAB Health System and UnitedHealthcare reached a tentative agreement on a health insurance contract July 31 after the previous contract lapsed. The contract means policy holders of UnitedHealthcare may continue to see their UAB medical providers and use all UAB Medicine facilities without disruption of services.

**UAH Assistant Professor of Sociology Interviews with Psychology Today**

Dr. Jennifer Sims, Assistant Professor of Sociology, was quoted in Psychology Today in June 2019 for an article about racial identity for multiracial individuals.

**UAH College of Business Co-Hosts Workshop**

The College of Business, in conjunction with the Invention to Innovation Center and the Space Foundation, hosted a Space Commerce Workshop.

Approximately 40 individuals registered for the day-long workshop to cover a variety of topics facing start-up companies hoping to enter into the space industry.

**UAH Finance Lab Opens**

The College of Business opened its new Finance Lab with a ribbon-cutting ceremony attended by UAH faculty and staff and local business leaders.

Students will use the lab’s technology to conduct fundamental research about economy, industries, and companies.

**UAH Clinical Assistant Professor’s Nursing Simulation Covered by Local News**

Dr. Donna Guerra, Clinical Assistant Professor of Nursing, taught NUR 390-Perioperative Nursing Simulation, in which nursing students got hands on practice at Decatur Memorial Hospital. WAYY 31 News, a local station, covered the class.

**UAH College of Science Hosts NSF Program Manager at Summer Poster Presentation**

Participants in four Earth and Space Science internship programs presented research posters to the National Science Foundation program manager Dr. Manda Adams and industry partners at the close of the NASA DEVELOP, NSF REU, NSF EPSCoR, NASA internships, and RCEU programs on the UAH campus.

**UAH College of Science Professor Conducts Outreach to International Students**

Clinical Assistant Professor in the Physics & Astronomy Department Themis Chronis, in collaboration with UAH’s Intensive Language and Culture Program, conducted a one-day workshop on Physics-oriented laboratory demonstrations to international high-school students.
UAH COLLEGE OF SCIENCE
STUDENTS PROBE GAMMA-RAY
EMISSION FROM THUNDERSTORMS

Physics & Astronomy students Christopher Helmerich and Everett Cavanaugh led a team of Science and Engineering students from the UAH Space Hardware Club in developing a 4-balloon experiment to detect and locate high-energy gamma-ray emission from thunderstorms. The first test flight was conducted on July 21, 2019.

UAH HOSTS UNITED ARAB EMIRATES HIGH SCHOOL STUDENTS

UAH Graduate School/Office of International Services, the Intensive Language & Culture Program, and the College of Education conducted a two-week Earth-Sky-Space Program for 40 high school students from the United Arab Emirates.

UAH GRADUATE SCHOOL/INTERNATIONAL SERVICES HOSTS EDUCATIONUSA REPRESENTATIVES

Dr. David Berkowitz, Dean of the Graduate School and International Services, and Yu Lei, Assistant Professor in Chemical Engineering, welcomed Education USA representatives from Peru, Tunisia, Myanmar, and Morocco to the UAH campus.

UAH CSPAR AND SPACE SCIENCE DEPARTMENT HOST SUMMER PROGRAM

The Solar and Heliospheric Physics Research Experience for Undergraduates program funded by NSF and run through CSPAR completed its 8th summer on August 2nd, 2019. Led by CSPAR Researcher Dr. Mehmet Sarp Yalim, 11 undergraduate students attending schools around the nation — Alabama, California, Colorado, Iowa, North Carolina, Oregon, Pennsylvania, South Carolina, Tennessee, and Washington — participated in a 10-week program to work on cutting-edge research with scientists from the Center for Space Plasma and Aeronomic Research (CSPAR), the Department of Space Science, and NASA Marshall Space Flight Center Solar Physics group.

UA TO IMPLEMENT TELEHEALTH NETWORK TO COMBAT OPIOIDS IN ALABAMA

UA will soon begin addressing opioid-related morbidity and mortality in four Alabama counties by developing a community care network to strengthen prevention, treatment and recovery.

The Health Resources and Services Administration has awarded a UA-led team of researchers and community stakeholders a $200,000 grant to implement an integrative telehealth network. The network will be used by a multidisciplinary team from UA with health and education community partners in Franklin, Marion, Winston and Walker counties.

UA CREATED PEDIATRIC FELLOWSHIP FOR FAMILY MEDICINE PHYSICIANS

UA's College of Community Health Sciences has created an innovative fellowship program to
provide comprehensive instruction for family medicine physicians seeking additional skills in pediatric care. The yearlong pediatric fellowship will offer a variety of transformative experiences in both primary and tertiary care settings. Fellows will also receive research time and financial support for continuing education activities. Through the new program, fellows will get to treat neonatal intensive care unit patients and manage care plans for those with complex pediatric conditions. In addition, the fellowship will equip family medicine physicians to care for chronically ill children in rural areas that may not have pediatric physicians.

**Cognitive Neuroscientist to Lead the Alabama Life Research Institute at UA**

After a national search, a noteworthy researcher in cognitive neuroscience will lead the Alabama Life Research Institute as executive director. As the first, full-time head of ALRI, Dr. Sharlene D. Newman will provide a coherent vision for collaborative life research that embraces the full range of disciplines represented on campus while strengthening the University’s research portfolio and profile.

A native of Abbeville, AL, Newman comes to UA after more than 14 years at Indiana University where she was a Class of 1948 Herman B. Wells Endowed Professor in psychological and brain sciences as well as associate vice provost for undergraduate education.

**UA’s ‘Legends’ Named Top Ad Campaign in International Competition**

UA won three honors in the 2019 Circle of Excellence awards sponsored by the Council for Advancement and Support of Education, including the top honor worldwide for advertising campaigns in higher education.

“Where Legends Are Made,” The University of Alabama’s brand positioning strategy, took the top prize, a grand gold for integrated branding in the Marketing: Advertising Campaign category, and a silver award for its print advertising, which highlights UA alumni who are legends in their fields.

The international competition received 2,856 entries from 611 membership institutions in 20 countries. The competition honors outstanding work in advancement services, alumni relations, communications, fundraising, and marketing at colleges, universities, independent schools and affiliated nonprofits.

**UA Artists Contribute to Alabama Bicentennial Celebration**

UA art and art history students, faculty, staff and alumni have been intensely involved in the state of Alabama’s 200th anniversary celebrations over the past two years, contributing public art in Mobile, Monroeville, Montgomery and Tuscaloosa. Fifteen faculty and alumni of the department are included in a special bicentennial publication honoring notable Alabama artists: *Alabama Creates: 200 Years of Art and Artists*, published in July by the Alabama
State Council on the Arts and UA Press.

**UA Board Dedicates John H. England Hall**

The University of Alabama Board of Trustees dedicated the John H. England Residence Hall. The freshman residence hall, with more than 490 beds, is located near the Ferguson Student Center and Lakeside Dining facility and features modern amenities in the middle of campus.

England’s life and career have been marked by distinguished leadership, including his tenure as a member of The University of Alabama System Board of Trustees since 1998. A native of Uniontown, he earned a bachelor’s degree from Tuskegee Institute before serving in the U.S. Army during the Vietnam War. He later became one of the first African Americans to graduate from the UA School of Law, where he earned the 2018 Sam W. Pipes Distinguished Alumnus Award.

**UA Facilities and Grounds Wins International Innovation Award**

The University's facilities and grounds department was named 2018 winner of the Association of Physical Plant Administrators' Effective and Innovative Practices Award. The international award is one of the biggest in the educational facilities arena. It is given to programs that enhance service delivery, lower costs, increase productivity, improve customer service, generate revenue or otherwise benefit an educational institution through the creation of a new program or significantly restructuring an existing one, according to APPA’s website. To win the award, the created program must also display a high level of innovation and be replicable so it can be implemented at other institutions.

**UA Office for Research and Economic Development Launches Strategic Plan**

The UA Office for Research and Economic Development recently launched a five-year strategic plan to help facilitate growth and impact of the research enterprise on campus. The plan focuses on growing and developing faculty as well as significantly increasing the size and impact of research and scholarly activity.

The strategic plan builds on the University’s designation by the Carnegie Commission on Higher Education as a Very High Research Activity doctoral university, the nation’s highest level of research activity for institutions that grant doctoral degrees.

**UA Partner CCN Receives Grant to Counter Opioid Abuse in Walker County**

The Capstone Rural Health Center, a partner of the Capstone College of Nursing, recently received the state of Alabama’s only grant from the U.S. Department of Health and Human Services’ Health Resources and Services Administration to increase access to substance abuse prevention and treatment services in rural populations. The center, located in Parrish in Walker County, received a $200,000 grant from the federal
agency to aid the Rural Walker County Opioid Use Response Planning Project. The funding will help in addressing the prevention, treatment and recovery of those dealing with opioid
Retirements/Deaths

UAH

Retirements:

Charles Acuff, Head Coach, Men’s Basketball, Athletics Department
Loria Allen, Research Scientist I, Step 4, Institute for Science Education
Jeffrey Bailey, Research Scientist III, Earth System Science Center
Rose Beshears, Senior Housekeeper, University Housing
Rebekah Boyd, Associate Director, Distance Education, Professional & Continuing Studies – Professional Development Administration
Paul Componation, Principal Research Scientist, VII, Industrial and Systems Engineering
Dawn Conway, Research Associate II, Earth System Science Center
Kimberly Crutcher Williams, Associate Director, Office of Multicultural Affairs
Abdalla Elsamadicy, Lecturer, Physics
Michael George, Associate Professor, Chemistry
Deborah Griffith, Senior Administrative Assistant, Vice President for Research
Terrell Hopkins, Mechanic’s Helper, Mechanic Shop – Facilities & Operations
James Moncier, Part-Time Lecturer, Kinesiology
Kathy Mullins, Human Resources Generalist II, Human Resources
Richard Nance, Custodial Worker I, Custodial Services
Anthony Palmer, Research Scientist II, Step 2, Systems Management and Production Center
Andree Reeves, Associate Professor, Political Science
Bhavani Sitaraman, Department Chair, Sociology Department
Ai-Hua Wang, Research Scientist II, Center for Space Plasma and Aeronomic Research
Francis Wessling, Professor, Mechanical and Aerospace Engineering

Deaths:

Wei Li, Associate Professor, Computer Science, Retired
Brenda Smith, Professional Development Coordinator, Professional & Continuing Studies, Retired
Gary Workman, Senior Research Scientist, Rotorcraft Systems Engineering, Retired

UA

Retirements:

Donna B. Adcock, Staff, University Libraries
Lynne M. Adrian, Faculty, American Studies
Richard T. Ballard, Staff, Police Operations
Patricia A. Benton, Staff, Enterprise Technology
Telisa S. Blanton, Staff, IA Development
Milla Boschung, Faculty, College of Human Environmental Sciences
Tonya Brannon, Staff, Residential Life
Lenny Brown, Staff, Facility Custodial
Matthew D. Bunker, Faculty, Journalism
Susan L. Burkett, Faculty, Electrical Engineering
Glenda Cantrell, Faculty, Journalism
Timothy S. Connell, Staff, Engineering Services Maintenance
William R. Cook, Staff, University Press
Mary E. Curtner-Smith, Faculty, Human Development/Family Studies
Daniel T. Daly, Staff, Alabama Innovation & Mentoring Entrepreneurs
Kathy Laughlin Echols, Staff, Women and Gender Resource Center
Kevin N. Elmore, Staff, Electrical Maintenance
William Field, Faculty, University Honors Program
Robert H. Findlay, Faculty, Biological Sciences
Neal Flum, Staff, Million Dollar Band
George R. Franke, Faculty, Marketing
Peggy F. Frost, Staff, Environmental Programs
Lynda B. Gilbert, Staff, Finance and Operations
Tanya L. Gill, Faculty, Music
William J. Gonzenbach, Faculty, Advertising and Public Relations
Mary Jo Grant, Staff, Cheerleaders
Harvey L. Harris Jr., Staff, Police Operations
Diane L. Harrison, Staff, UREC Equestrian
Milton R. Jacobs, Staff, Grounds
Sue Keel, Staff, New College
James M. Largin, Staff, Business Information and Technology
Paula Long, Staff, Ferguson Housekeeping
John C. Lusth, Faculty, Computer Science
Rita J. Martin, Staff, Gymnastics
Jimmy R. Murphy Jr., Staff, Building Maintenance
Jane Newman, Faculty, Special Education and Multiple Abilities
Deborah Dales Parrott, Staff, Research Compliance
Martha J. Powell, Faculty, Biological Sciences
Donna Lane Reece, Staff, Greek House Director
John R. Roberts, Staff, Bryant Conference Center
William Harold Sexton, Staff, Event Technology
John Sikes, Staff, Environmental Programs
Jonty Skinner, Staff, Swimming – Men’s
Christopher Spencer, Staff, Center for Community-Based Partnerships
Claude Stogner, Faculty, Engineering Student Services
Joel F. Thomas, Staff, Housing Custodial
Jean M. Thomley, Staff, Student Services
Lynn Tobola, Staff, Social Work
Deaths:

Segail I. Friedman, Retired Staff, Law School
Rhonda Kincaid, Retired Staff, Custodial Services
James Griffith Taaffe, Retired Faculty, English
Dorothy Tucker-Woods, Retired Staff, Athletics

UAB

Retirements:

Atiya Armstead, RN-Clinical Liaison, Heart/Vascular Center
William Baker, Assistant Professor, Anesthesiology Chair Office
Priscilla Banks, Patient Care Technician, Women’s & Infants Services
Cornelia Bennett, Environmental Services Specialist-Campus, Building Services
Deborah Bidanset-Ponder, Senior Licensing Associate, Institute for Innovative & Entrepreneurship
Laura Bolton, RN, Emergency Services Trauma/Burns
Linda Boozer, RN, Transplant & General Surgical Services
Pam Bounelis, Assistant VP-Research Integrity, Office of VP Research
Ivan Brezovich, Professor, Radiation Oncology, Radiation Oncology Chair Office
David Bryson, Manager-Physical Therapy, Rehabilitation Services
Rebecca Campbell, RN-Transplant Coordinator, Transplant Operations
Melvin Casey, PFS Patient Accounts Representative, Patient Financial Services
David Chaplin, Professor, Microbiology
William Clark, Personnel Generalist, Department of Medicine Chair Office
Michael Clements, Diagnostic Imaging Specialist, Ext Radiology Operations Secretary
Debra Clisby, Business Officer I, Psychiatry-Substance Abuse
Brenda Cox, Associate Director, Conflict of Interest Review Board
Gary Cutter, Professor Biostatistics/Biomathematics, Biostatistics
Dennis Delgado, Professor, Medicine-Infectious Diseases
Patricia Denson, RN, Nursing Services-UAB UAB Highlands
Michael Dillard, General Mechanic, Hospital Maintenance
Editha Edwards, Administrative Supervisor, Health Care Organization & Policy
Dorothy Farmer, RN-Assistant Nurse Manager, Nursing Services-UAB Highlands
Steven Filler, Professor/Associate Dean, General Dentistry
Terri Fliegel, Cardiac Sonographer, Pediatric Cardiology Section
Claude Fountain, Manager, Environmental Services
Andra Frost, Professor, Anatomic Pathology
Yvonne Gaines, Occupational Therapist, Center for Psychiatric Medicine
Davietta Glover, Administrative Associate, Criminal Justice
Renitta Goldman, Professor, Curriculum Instruction
Audretta Green, Dental Assistant II, Orthodontics
Donna Griffith, Assistant Professor, Health Services Administration Chair Office
Brenda Hamilton-Peterson, RN-Case Manager, Care Management
Kim Hardy, Researcher V, Medicine-Infectious Diseases
Joan Hilner, Program Director III, Biostatistics
Belinda Hyche, Supervisor-Lab Services, Labs-Hospital
Jeffrey Johnson, Clinical Instructor, Curriculum Instruction
Walter Johnson, Instructor, Mathematics
Kevin Jones, Monitor Technician, Cardiovascular Services
Paula Kiley, Program Coordinator II, Medicine-Immunology/Rheumatology
Pamela King, Assistant Professor, History
Lynn Kirkland, Professor, Curriculum Instruction
Robert Kleinstein, Professor, Optometry 12 Month, Department of Optometry & Vision Science
Cynthia Lackey, Food Services Worker, Food & Nutrition Services
Leslie Layton, Medical Techno, Labs-Hospital
Craig Leonard, Respiratory Therapist Registered, Respiratory Care
Mark Litaker, Associate Professor, Behavioral & Population Sciences
Timothy Macke, RN, Cardiovascular Services
Dawn Matthews, Manager-Office of Clinical Billing Review, Clinical Trials Office
Traci McCardle, Nurse Research Manager, Comprehensive Cancer Center
Ovuke’ Emonina McCoy, Counselor Student III, Nursing Student Success
Lavanda McGhee, Monitor Technician, Cardiovascular Services
Melissa Miller, Office Associate II, Psychiatry-Substance Abuse
Stephen Mitchell, Director, UAB Arena, Bartow Arena Operations
Antoinette Montiel, Administrative Associate, Neurosurgery Chair Office
Rhonda Morrow, Executive Assistant II, School of Medicine Dean’s Office
Sandra Muhammed, Administrative Associate, Electrical & Computer Engineering
Laural Myers, Social Worker MSW, Care Management
Timothy Ness, Professor, Anesthesiology MD, Anesthesiology Chair Office
Carlos Orihuela, Professor, Foreign Languages
Linda Pilkerton, Occupational Therapist, Rehabilitation Services
Hytha Polk, Office Services Specialist III, Rehabilitation Services
Maurice Reid, RN-Oral, Perioperative Services-UAB Highlands
Gary Richardson, RN, Heart/Vascular Center
Diane Schell, RN, Nursing Services-UAB Highlands
Linda Schrecongost, RN, Assistant Nurse Manager, Nursing Services-UAB Highlands
Michele Self, Optician, Optometry Clinical Services
Sheryl Sheppard, Radiologic Technologist, Radiology-UAB Highlands
Warren Simmons, Assistant Professor, Genetics Research Division
Terrell Stone, CRNA-Certified Registered Nurse Anesthetist, Anesthesia Services-UAB Highlands
Veronica Strother, Manager Student Accounting, Student Accounting
Cora Thomas, Patient Care Technician, Transplant Operations
Cynthia Thomas, Admissions Coordinator, Ambulatory Clinics
Denyse Thornley-Brown, Professor, Medicine-Nephrology
Marla Townsend, Senior Associate Athletic Director, Athletics Department Administration
Rica Townsend, Unit Secretary, Women's & Infants Services
Jerry Trimm, Associate Professor, Health Services Administration Chair Office
Yvette Trotter, Environmental Services Specialist-Hospital, Environmental Services
Teresa Tuck, Patient Services Coordinator I, General Dentistry
Janet Turman, Research Specialist, Medicine-Preventive Medicine
Marianne Vetrano, Clinical Trials Manager, Radiology Chair Office
Belinda Vines, Personnel Generalist, School of Engineering Dean’s Office
Peter Walsh, Research Professor, Mechanical Engineering
Therese Weber, Professor, Radiology Chair Office
Andrew Westfall, Scientist II, Biostatistics
Dorothy Wiggins, PFS Patient Accounts Representative Senior, Patient Financial Services
Charles Wilcox, Professor, Medicine MD, Medicine-Gastroenterology
Victor Williams, Materials Management Technician I, Support Services
Peggy Wilson, Environmental Services Specialist-Hospital, Environmental Services
Gwendolyn Woods, Patient Accounts Representative I, Pediatric Dentistry
Jianguo Wu, Assistant Professor, Surgery-Plastic
Kurt Zinn, Professor, Radiology Chair Office

Deaths:

Rakesh Bakshi, Scientist I, Medicine-Infectious Diseases
Bari Cotton, Nurse Research Manager, Pediatrics-Infectious Disease
Lula Deloach, Unit Secretary, Cardiovascular Services
Hattie Engram-Jackson, Patient Care Technician, Transplant & General Surgical Services
Matthew Green, PRR-ORACLE
Sharon Harrison, Dental Assistant II, General Dentistry
Reginald Jones, Environmental Services Specialist-Hospital, Environmental Services
Scott Kervin, PRE-ORACLE
Jay McDonald, MD, Professor Emeritus, Pathology General Administration
Caroline Pace, PRE-ORACLE
Nick Smith, PRE-ORACLE
Ralph Steele, Pneumatic Tube Technician, Hospital Maintenance
Barbara Thomas, Cardiology Technician Noninvasive, Cardiovascular Services
Brenda Waugh, DRG Specialist, Health Information Management
Barbara Yarber, Medical Technologist, Medicine-Preventive Medicine
FIFTEENTH SUPPLEMENTAL INDENTURE

Dated ________________, 2019

between

THE BOARD OF TRUSTEES OF
THE UNIVERSITY OF ALABAMA

and

U.S. BANK NATIONAL ASSOCIATION

Relating to the issuance of
$____________
The University of Alabama in Huntsville
General Fee Revenue Bonds, Series 2019

by
The Board of Trustees of
The University of Alabama
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EXHIBIT A - Letter of Representations
FIFTEENTH SUPPLEMENTAL INDENTURE

THIS FIFTEENTH SUPPLEMENTAL INDENTURE dated October 30, 2018, is entered into by THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a public corporation and instrumentality of the State of Alabama (the “Issuer” or the “Board”), and U.S. BANK NATIONAL ASSOCIATION, a national banking association, as successor to SouthTrust Bank (the “Trustee”), as Trustee under that certain Trust Indenture dated November 1, 1989 (the “Original Indenture”), as amended and supplemented, between the Issuer and the Trustee.

Recitals

Pursuant to the authority granted by the constitution and laws of the State of Alabama, including particularly Section 16-3-28 of the Code of Alabama 1975, as amended (the “Enabling Law”), the Issuer has duly authorized the creation, execution and delivery from time to time of its bonds of substantially the tenor provided in the Indenture (the “Bonds”), issuable in one or more series; and, to secure the Bonds and to provide for their authentication and delivery by the Trustee, the Issuer and the Trustee have heretofore entered into the Indenture.

The Issuer operates educational facilities in Huntsville, Alabama through its division The University of Alabama in Huntsville (“UAH”).

Pursuant to the Indenture the Issuer has heretofore issued the following:

(i) its The University of Alabama in Huntsville General Fee Revenue Bonds, Series 1989-A (the “Series 1989-A Bonds”) in the aggregate principal amount of $15,000,000;

(ii) its The University of Alabama in Huntsville General Fee Revenue Bonds, Series 1992-A (the “Series 1992-A Bonds”) in the aggregate principal amount of $6,260,000;

(iii) its The University of Alabama in Huntsville General Fee Revenue Bonds, Series 1993-A (the “Series 1993-A Bonds”) in the aggregate principal amount of $16,620,000;

(iv) its The University of Alabama in Huntsville General Fee Revenue Bonds, Series 1999-A (the “Series 1999-A Bonds”) in the aggregate principal amount of $8,900,000;

(v) its The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2002-A (the “Series 2002-A Bonds”) in the aggregate principal amount of $3,965,000;

(vi) its The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2003-A (the “Series 2003-A Bonds”) in the aggregate principal amount of $17,890,000;

(vii) its The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2005-A (the “Series 2005-A Bonds”) in the aggregate principal amount of $8,580,000;

(viii) its The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2009-A (the “Series 2009-A Bonds”) in the aggregate principal amount of $8,115,000;

(ix) its The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-A (the “Series 2012-A Bonds”) in the aggregate principal amount of $11,170,000;
(x) The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-B (the “Series 2012-B Bonds”) in the aggregate principal amount of $13,700,000;

(xi) The University of Alabama in Huntsville General Fee Revenue Bond, Series 2013-A1 (the “Series 2013-A1 Bond”) in the aggregate principal amount of $7,550,000;

(xii) The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2013A2 (the “Series 2013-A2 Bond”) in the aggregate principal amount of $24,455,000;

(xiii) The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2014-A (the “Series 2014-A Bond”) in the aggregate principal amount of $11,860,000;

(iv) The University of Alabama in Huntsville General Fee Revenue Refunding Bond, Series 2015-A (the “Series 2015 Bond”) in the aggregate principal amount of $5,175,000;

(x) The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A1 (the “Series 2018-A1 Bonds”) in the aggregate principal amount of $5,400,000; and

(xi) The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A2 (the “Series 2018-A2 Bonds”) in the aggregate principal amount of $27,115,000.

The Series 2009-A Bonds, the Series 2012-A Bonds, the Series 2012-B Bonds, the Series 2013-A1 Bond, the Series 2013-A2 Bonds, the Series 2014-A Bonds, the Series 2015 Bond, the Series 2018-A1 Bonds, the Series 2018-A2 Bonds, the Series 2018-B1 Bonds and the Series 2018-B2 Bonds are the only Bonds outstanding under the Indenture. This Supplemental Indenture authorizes an additional series of Bonds in the aggregate principal amount of $_______ and designated as The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2019 (the “Series 2019 Bonds”).

The Series 2019 Bonds are being issued for the purpose of (i) paying the costs of redeeming and retiring the $27,990,000 The University of Alabama in Huntsville Student Housing Revenue Bonds (Taxable Direct-Pay “Build America” Bonds), Series 2010-A, (ii) paying the costs of the 2019 Capital Improvements (hereinafter defined), and (iii) paying the costs of issuance of the Series 2019 Bonds.

NOW, THEREFORE, THIS SUPPLEMENTAL INDENTURE WITNESSETH:

That in order to declare the terms and conditions upon which the Series 2019 Bonds authorized hereby are authenticated, issued, and delivered, and in consideration of the premises and of the purchase and acceptance of the Series 2019 Bonds by the Holders thereof, the Issuer covenants and agrees with the Trustee as follows:

ARTICLE 1

Definitions and Other Provisions of General Application

SECTION 1.01 Definitions

The following words and phrases and others evidently intended as the equivalent thereof shall, in the absence of clear implication herein otherwise, be given the following respective interpretations herein:
“Eighth Supplemental Indenture” means that certain Eighth Supplemental Indenture dated April 1, 2012, between the Issuer and the Trustee, which amended the Indenture and provided for the issuance of the Series 2012-A Bonds.

“Eleventh Supplemental Indenture” means that certain Eleventh Supplemental Indenture dated December 1, 2014, between the Issuer and the Trustee, which provided for the issuance of the Series 2014-A Bonds.

“Escrow Fund” shall mean that certain fund designated “Escrow Fund” under the Escrow Trust Agreement.

“Escrow Trust Agreement” means that certain agreement between the Board and Regions Bank, dated the date of the Series 2019 Bonds, providing for the payment and redemption of the Series 2010-A Bonds.

“Fifth Supplemental Indenture” means that certain Fifth Supplemental Indenture dated February 1, 2003, between the Issuer and the Trustee, which amended the Indenture and provided for the issuance of the Series 2003-A Bonds.

“First Supplemental Indenture” means that certain First Supplemental Indenture dated July 1, 1992, between the Issuer and the Trustee, which amended the Indenture and provided for the issuance of the Series 1992-A Bonds.

“Fourth Supplemental Indenture” means that certain Fourth Supplemental Indenture dated December 1, 2002, between the Issuer and the Trustee, which provided for the issuance of the Series 2002-A Bonds.


“Holder” means the beneficial owner of Bonds on the records maintained pursuant to the Book-Entry System.

“Indenture” means the Original Indenture, as supplemented and amended by the First Supplemental Indenture, the Second Supplemental Indenture, the Third Supplemental Indenture, the Fourth Supplemental Indenture, the Fifth Supplemental Indenture, the Sixth Supplemental Indenture, the Seventh Supplemental Indenture, the Eighth Supplemental Indenture, the Ninth Supplemental Indenture, the Tenth Supplemental Indenture, the Eleventh Supplemental Indenture, the Twelfth Supplemental Indenture, the Thirteenth Supplemental Indenture, the Fourteenth Supplemental Indenture, this Supplemental Indenture, and any additional supplemental indentures entered into in accordance with the terms of the Original Indenture.

“Interest Payment Date” means each June 1 and December 1, commencing [December 1, 2019].

“Ninth Supplemental Indenture” means that certain Ninth Supplemental Indenture dated September 1, 2012, between the Issuer and the Trustee which provided for the issuance of the Series 2012-B Bonds.

“Original Indenture” means that certain Trust Indenture dated November 1, 1989 between the Issuer and the Trustee, as originally executed and delivered by the parties to such instrument.
“Second Supplemental Indenture” means that certain Second Supplemental Indenture dated May 1, 1993, between the Issuer and the Trustee which provided for the issuance of the Series 1993-A Bonds.

“Series 2003-A Bonds” means the Bonds issued pursuant to the Sixth Supplemental Indenture and bearing the designation “Series 2003-A”.

“Series 2010-A Bonds” means the Issuer’s $27,990,000 The University of Alabama in Huntsville Student Housing Revenue Bonds (Taxable Direct-Pay Build America Bonds), Series 2010-A.

“Series 2015-A Bonds” means the Bonds issued pursuant to the Twelfth Supplemental Indenture.


“Series 2018-A2 Bonds” means the Bonds issued pursuant to the Thirteenth Supplemental Indenture and bearing the designation “Series 2018-A2”.

“Series 2018-B1 Bonds” means the Bonds issued pursuant to the Fourteenth Supplemental Indenture and bearing the designation “Series 2018-B1”.


“Series 2019 Bonds” means the Bonds issued pursuant to Article 2 of this Supplemental Indenture.

“Series 2019 Costs of Issuance” means expenses incurred by the Board in connection with the issuance of the Series 2019 Bonds, including legal, consulting, accounting, financial advisor, and underwriting fees.

“Seventh Supplemental Indenture” means that certain Seventh Supplemental Indenture dated July 1, 2009, between the Issuer and the Trustee, which provided for the issuance of the Series 2009-A Bonds.

“Sixth Supplemental Indenture” means that certain Sixth Supplemental Indenture dated October 1, 2005, between the Issuer and the Trustee, which provided for the issuance of the Series 2005-A Bonds.

“Tax Certificate and Agreement” shall mean that certain Tax Certificate and Agreement entered into by the Issuer in connection with the issuance of the Series 2019 Bonds.

“Tenth Supplemental Indenture” means that certain Tenth Supplemental Indenture dated April 1, 2013, between the Issuer and the Trustee, which provided for the issuance of the Series 2013-A Bonds.

“Third Supplemental Indenture” means that certain Third Supplemental Indenture dated December 1, 1999, between the Issuer and the Trustee, which provided for the issuance of the Series 1999-A Bonds.

"Twelfth Supplemental Indenture" means that certain Twelfth Supplemental Indenture dated March 1, 2015, between the Issuer and the Trustee, which provided for the issuance of the Series 2015 Bond.

"2019 Capital Improvements" means the design, acquisition, construction, installation, furnishing and equipping of renovations to Roberts Hall on the campus of UAH, and other capital improvements and equipment on the campus of UAH.

SECTION 1.02 Definitions in Original Indenture to be Applicable

Except as otherwise expressly provided in this Supplemental Indenture, or unless the context otherwise requires, capitalized terms not otherwise defined in this Supplemental Indenture shall have the meaning assigned in the Original Indenture.

SECTION 1.03 Use of Phrases, etc.

"Herein," "hereby," "hereunder," "hereof," "hereinbefore," "hereinafter" and other equivalent words refer to this Supplemental Indenture as an entirety and not solely to the particular portion thereof in which any such word is used. The definitions set forth in Section 1.1 hereof include both singular and plural. Whenever used herein, any pronoun shall be deemed to include both singular and plural and to cover all genders.

ARTICLE 2

Series 2019 Bonds

SECTION 2.01 Specific Title, Terms and Forms

(a) There shall be an initial series of Bonds entitled "The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2019" (herein called the "Series 2019 Bonds"). The aggregate principal amount of the Series 2019 Bonds which may be authenticated and delivered and Outstanding is limited to $[______________].

(b) The Series 2019 Bonds shall be issuable as registered bonds without coupons in the denomination of $5,000 and any multiple of $5,000 in excess thereof. Each Series 2019 Bond shall have a single principal maturity. The Series 2019 Bonds shall be numbered separately from 1 upward.

(c) The Series 2019 Bonds shall mature and become payable on June 1 in the years and amounts shown below. All Series 2019 Bonds with the same maturity and CUSIP designation shall bear interest at the same rate. The principal amount of Series 2019 Bonds maturing on each maturity date and the applicable rate of interest for the Series 2019 Bonds of each maturity are as follows:

<table>
<thead>
<tr>
<th>Maturity (June 1)</th>
<th>Principal Amount</th>
<th>Interest Rate</th>
</tr>
</thead>
</table>

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(d) Interest on the Series 2019 Bonds which is payable, and punctually paid or duly provided for, on any Interest Payment Date shall be paid by check or draft mailed by the Trustee to the persons entitled thereto at their addresses appearing in the Bond Register. Such payments of interest shall be deemed timely made if so mailed on the Interest Payment Date (or, if such Interest Payment Date is not a Business Day, on the Business Day next following such Interest Payment Date). Principal of (and premium, if any, on) the Series 2019 Bonds and accrued interest on the Series 2019 Bonds due upon redemption on any date other than an Interest Payment Date shall be payable only upon surrender thereof at the Principal Office of the Trustee or at the office of any other Paying Agent therefor.

(e) Subsection (d) of this Section to the contrary notwithstanding, upon the written request of the Holder of any Series 2019 Bond in a principal amount of not less than $1,000,000, the Trustee will make payment of the Debt Service due on such Bond on any Bond Payment Date by wire transfer to an account of such Holder maintained at a bank in the continental United States or by any other method providing for payment in same-day funds that is acceptable to the Trustee, provided that:

(1) such written request contains adequate instructions for the method of payment, and

(2) payment of the principal of (and redemption premium, if any, on) such Bond and payment of accrued interest on such Bond due upon redemption on any date other than an Interest Payment Date shall be made only upon surrender of such Bond to the Trustee.

(f) The Regular Record Date referred to in Section 4.09 of the Original Indenture for the payment of interest on the Series 2019 Bonds payable, and punctually paid or duly provided for, on any Interest Payment Date shall be the 15th day (whether or not a Business Day) of the calendar month next preceding such Interest Payment Date.

SECTION 2.02 Exchangeability

Subject to Section 4.07 of the Original Indenture, all Series 2019 Bonds shall, upon surrender at the Principal Office of the Trustee, be exchangeable for a like aggregate principal amount of 2019 Bonds, of any authorized denominations and of the same maturity and interest rate, as requested by the Holders surrendering the same. The Issuer will execute, and the Trustee shall authenticate and deliver, Series 2019 Bonds whenever the same are required for any exchange.

SECTION 2.03 Redemption

The Series 2019 Bonds shall be redeemable in accordance with Article 5 of the Original Indenture and the redemption provisions contained in the form of the Series 2019 Bonds set forth in Section 2.04 of this Supplemental Indenture.

SECTION 2.04 Form of Series 2019 Bonds
The Series 2019 Bonds and the Trustee’s certificate of authentication shall be substantially in the following form, with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by the Indenture:

[Form of Series 2019 Bonds]

THE BOARD OF TRUSTEES OF
THE UNIVERSITY OF ALABAMA

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE
GENERAL FEE REVENUE BONDS, SERIES 2019

No. ___________________________ $ ___________________________

Maturity Date: ________________% Interest Rate: ___________________________

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a public corporation and instrumentality of the State of Alabama (the “Issuer”, which term includes any successor corporation under the Indenture hereinafter referred to), for value received, hereby promises to pay (but solely from the source hereinafter described) to

CEDE & CO.,

or registered assigns, the principal sum of

______________________________ DOLLARS

on the maturity date specified above and to pay (but solely from the source hereinafter described) interest hereon from the date hereof until the principal hereof shall become due and payable at the per annum rate of interest specified above. Interest shall be payable on December 1 and June 1, in each year, beginning [December 1, 2019] (each such date being herein called an “Interest Payment Date”), and shall be computed on the basis of a 360-day year with 12 months of 30 days each. Interest shall be payable (but solely from the General Fees hereinafter described) on overdue principal (and premium, if any) on this bond and (to the extent legally enforceable) on any overdue installment of interest on this bond at the interest rate borne by this bond.

The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date will, as provided in the Indenture hereinafter referred to, be paid to the person in whose name this bond is registered at the close of business on the Regular Record Date for such interest, which shall be the 15th day (whether or not a Business Day) of the calendar month next preceding such Interest Payment Date. Any such interest not so punctually paid or duly provided for shall forthwith cease to be payable to the registered Holder on such Regular Record Date, and shall be paid to the person in whose name this bond is registered at the close of business on a Special Record Date for the payment of such defaulted interest to be fixed by the Trustee, notice of such Special Record Date being given to Bondholders not less than 10 days prior to such Special Record Date.
Interest on this bond which is payable on any Interest Payment Date shall be paid by check or draft mailed by the Trustee to the person entitled thereto at her or his address appearing in the Bond Register maintained by the Trustee. Such payment shall be deemed timely made if so mailed on the Interest Payment Date (or, if such Interest Payment Date is not a Business Day, on the Business Day next following such Interest Payment Date). The principal of (and premium, if any, on) this bond and accrued interest on this bond due upon redemption on any date other than an Interest Payment Date shall be payable only upon surrender of this bond at the Principal Office of the Trustee. Upon the terms and conditions provided in the Indenture, the Holder of any Series 2019 Bond in a principal amount of not less than $1,000,000 may request that payment of Debt Service on such Bond be made by wire transfer to an account of such Holder maintained at a bank in the continental United States or by any other method providing for same-day funds that is acceptable to the Trustee. All such payments shall be made in such coin or currency of the United States of America as at the time of payment is legal tender for the payment of public and private debts.

This bond is one of a duly authorized issue of bonds of the Issuer, aggregating $[________] in principal amount, designated “The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2019” (the “Series 2019 Bonds”) and issued under and pursuant to the constitution and laws of the State of Alabama, including particularly Section 16-3-28 of the Code of Alabama 1975, and a Trust Indenture dated November 1, 1989, as amended by a First Supplemental Indenture dated July 1, 1992, a Second Supplemental Indenture dated May 1, 1993, a Third Supplemental Indenture dated December 1, 1999, a Fourth Supplemental Indenture dated December 1, 2002, a Fifth Supplemental Indenture dated February 1, 2003, a Sixth Supplemental Indenture dated October 1, 2005, a Seventh Supplemental Indenture dated July 1, 2009, an Eighth Supplemental Indenture dated April 1, 2012, a Ninth Supplemental Indenture dated September 1, 2012, a Tenth Supplemental Indenture dated April 1, 2013, an Eleventh Supplemental Indenture dated December 1, 2014, a Twelfth Supplemental Indenture dated March 1, 2015, a Thirteenth Supplemental Indenture dated March 22, 2018, a Fourteenth Supplemental Indenture dated October 30, 2018, and a Fifteenth Supplemental Indenture dated the date of the Series 2019 Bonds (together, the “Indenture”) between the Issuer and U.S. Bank National Association, a national banking association, as successor to SouthTrust Bank (the “Trustee”), which term includes any successor trustee under the Indenture. Capitalized terms not otherwise defined herein shall have the meanings assigned in the Indenture.

The Indenture provides for the issuance of bonds in one or more series, all of which shall be equally and ratably secured by the Indenture. The Series 2019 Bonds and all other bonds issued under the Indenture are herein collectively called the “Bonds.”

The Bonds are limited obligations of the Issuer payable solely out of the fees and charges now or hereafter levied against students enrolled at The University of Alabama in Huntsville, including without limitation general tuition and course fees, registration fees, laboratory fees, out-of-state fees and building fees (herein collectively referred to as the “General Fees”). Pursuant to the Indenture, the Issuer has assigned and pledged the General Fees to the Trustee as security for the payment of the Bonds, subject to prior pledges. The covenants and agreements contained in the Indenture and in the Bonds do not and shall never constitute or give rise to a charge against the general credit of the Issuer or funds appropriated to the Issuer by the State of Alabama.

Copies of the Indenture are on file at the Principal Office of the Trustee, and reference is hereby made to such instrument for a description of the properties pledged and assigned, the nature and extent of the security, the respective rights thereunder of the Holders of the Bonds, the Trustee and the Issuer, and the terms upon which the Bonds are, and are to be, authenticated and delivered.

In the manner and with the effect provided in the Indenture, the Series 2019 Bonds are subject to redemption prior to maturity as follows:
(1) **Optional Redemption.** The Series 2019 Bonds maturing on and after [_______], or any smaller principal amount of such Series 2019 Bonds that is a multiple of the smallest authorized denomination, may be redeemed at the option of the Issuer on or after [_______], at a redemption price (expressed as a percentage of principal amount redeemed) of 100% plus accrued interest to the redemption date.

(2) **Mandatory Redemption of Series 2019 Term Bonds.** Series 2019 Bonds maturing in [_____] and [_____] (the “Series 2019 Term Bonds”) shall be redeemed by the Issuer, at and for a redemption price equal to 100% of the principal amount to be redeemed plus accrued interest thereon to the redemption date, on June 1 in years and principal amounts (after credit as provided below) as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
</table>

Not less than 45 or more than 60 days prior to each mandatory redemption date with respect to Series 2019 Term Bonds, the Trustee shall proceed to select for redemption, by lot, Series 2019 Term Bonds or portions thereof in an aggregate principal amount equal to the amount required to be redeemed and shall call such Series 2019 Term Bonds or portions thereof for redemption on such mandatory redemption date. The Issuer may, not less than 60 days prior to any such mandatory redemption date, direct that any or all of the following amounts be credited against the principal amount of Series 2019 Term Bonds scheduled for redemption on such date: (i) the principal amount of Series 2019 Term Bonds delivered by the Issuer to the Trustee for cancellation and not previously claimed as a credit; and (ii) the principal amount of Series 2019 Term Bonds previously redeemed (other than Series 2019 Term Bonds redeemed pursuant to this paragraph) and not previously claimed as a credit.

Any redemption shall be made upon at least 30 days’ notice in the manner and upon the terms and conditions provided in the Indenture.

Except as otherwise provided with respect to mandatory redemption of Series 2019 Term Bonds, if less than all Bonds Outstanding of this series are to be redeemed, the principal amount of Bonds of each maturity to be redeemed may be specified by the Issuer by written notice to the Trustee, or, in the absence of timely receipt by the Trustee of such notice, shall be selected by the Trustee by lot or by such other method as the Trustee shall deem fair and appropriate; provided, however, that the principal amount of Bonds of each maturity to be redeemed must be a multiple of the smallest authorized denomination of the Bonds of this series.

If less than all Bonds of this series with the same maturity are to be redeemed, the particular Bonds of such maturity to be redeemed shall be selected by the Trustee by lot or by such other method as the
Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions (equal to the smallest authorized denomination of the Bonds of this series, or a multiple thereof) of the principal of Bonds of this series of such maturity of a denomination larger than the smallest authorized denomination.

Upon any partial redemption of any Bond, the same shall, except as otherwise permitted by the Indenture, be surrendered in exchange for one or more new Bonds of the same series and maturity, and in authorized form for the unredeemed portion of principal. Bonds (or portions thereof as aforesaid) for whose redemption and payment provision is made in accordance with the Indenture shall cease to bear interest from and after the date fixed for redemption.

If an “Event of Default”, as defined in the Indenture, shall occur, the principal of all Bonds then Outstanding may become or be declared due and payable in the manner and with the effect provided in the Indenture.

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modification of the rights and obligations of the Issuer and the rights of the Holders of the Bonds at any time with the consent of a majority in aggregate principal amount of the Bonds at the time Outstanding affected by such modification. The Indenture also contains provisions permitting the Holders of specified percentages in principal amount of Bonds at the time Outstanding on behalf of the Holders of all the Bonds, to waive compliance by the Issuer with certain provisions of the Indenture and certain past defaults under such instrument and their consequences. Any such consent or waiver by the Holder of this bond shall be conclusive and binding upon such Holder and upon all future Holders of this bond and of any bond issued in exchange herefor or in lieu hereof, whether or not notation of such consent or waiver is made upon this bond.

The Holder of this bond shall have no right to enforce the provisions of the Indenture, or to institute any action to enforce the covenants therein, or to take any action with respect to any default hereunder, or to institute, appear in or defend any suit or other proceeding with respect thereto, except as provided in the Indenture.

As provided in the Indenture and subject to certain limitations therein set forth, this bond is transferable on the Bond Register maintained at the Principal Office of the Trustee, upon surrender of this bond for transfer at such office, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Issuer and the Trustee duly executed by, the registered Holder hereof or his attorney duly authorized in writing, and thereupon one or more new Bonds of the same series and maturity, of any authorized denominations and for a like aggregate principal amount, will be issued to the designated transferee or transferees.

The Bonds of this series are issuable in denominations of $5,000 and any multiple of $5,000 in excess thereof. As provided in the Indenture and subject to certain limitations therein set forth, Bonds of this series are exchangeable for other Bonds of the same series and maturity, of any authorized denominations and of a like aggregate principal amount, as requested by the Holder surrendering the same.

No service charge shall be made for any transfer or exchange hereinbefore referred to, but the Issuer may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

The Issuer, the Trustee and any agent of the Issuer or the Trustee may treat the person in whose name this bond is registered as the owner hereof for the purpose of receiving payment as herein provided
and for all other purposes, whether or not this bond is overdue, and neither the Issuer, the Trustee nor any agent shall be affected by notice to the contrary.

No covenant or agreement contained in this bond or the Indenture shall be deemed to be a covenant or agreement of any officer, agent or employee of the Issuer, and neither any member of the Issuer nor any officer executing this bond shall be liable personally on this bond or be subject to any personal liability or accountability by reason of the issuance of this bond.

It is hereby certified, recited and declared that all acts, conditions and things required to exist, happen and be performed precedent to and in the execution and delivery of the Indenture and issuance of this bond do exist, have happened and have been performed in due time, form and manner as required by law.

Unless the certificate of authentication hereon has been executed by the Trustee by manual signature, this bond shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

IN WITNESS WHEREOF, the Issuer has caused this bond to be duly executed under its corporate seal.

Dated: [______________, 2019].

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

By:__________________________

President of The University of Alabama in Huntsville

[SEAL]

Attest:

______________________________
Secretary

Certificate of Authentication

This is one of the Series 2019 Bonds referred to in the within-mentioned Indenture.

Dated of authentication: [_______, 2019].

U.S. BANK NATIONAL ASSOCIATION,
as Trustee

By: ____________________________
    Authorized Officer

Assignment

For value received ____________________________ hereby sell(s), assign(s) and transfer(s) unto
__________________________ this bond and hereby irrevocably constitute(s) and appoint(s)
attorney to transfer this bond on the books of the within named
Issuer at the office of the within named Trustee, with full power of substitution in the premises.

Dated: ____________________________

NOTE: The name signed to this assignment must correspond with the name of the payee written on the face
of the within bond in every particular, without alteration, enlargement or change whatsoever.

Signature Guaranteed:

(Bank, Trust Company or Firm*)

By: ____________________________
    (Authorized Officer)

Medallion Number:
*Signature(s) must be guaranteed by an eligible guarantor institution which is a member of a
recognized signature guarantee program, i.e., Securities Transfer Agents Medallion Program
(STAMP), Stock Exchanges Medallion Program (SEMP), or New York Stock Exchange
Medallion Signature Program (MSP).

SECTION 2.05 Authentication and Delivery of Series 2019 Bonds

Upon the execution and delivery of this Supplemental Indenture, Series 2019 Bonds in the
aggregate principal amount authorized in this Article may be executed by the Issuer and delivered to the
Trustee for authentication, and shall thereupon be authenticated and delivered by the Trustee upon written
order executed by an Authorized Issuer Representative.
SECTION 2.06  Book-Entry Only System; Payment Provisions

(a) The registration and payment of Series 2019 Bonds shall be made pursuant to the Book-Entry Only System (the "Book-Entry Only System") administered by The Depository Trust Company ("DTC") in accordance with the Letter of Representations attached to and incorporated by reference in this Indenture as Exhibit A (the "Letter of Representations") until such System is terminated pursuant to Section 3.06(c).

(b) While Series 2019 Bonds are in the Book-Entry Only System the following provisions shall apply for purposes of the Indenture and shall supersede any contrary provisions of the Indenture:

(1) Notwithstanding the fact that DTC may hold a single physical certificate for each stated maturity for purposes of the Book-Entry Only System, the term "Series 2019 Bond" shall mean each separate Security (as defined in the Letter of Representations) issued pursuant to the Book-Entry Only System, and the term "Holder" shall mean the person identified on the records of DTC as the owner of the related Security.

(2) The terms and limitations of this Indenture with respect to each separate Series 2019 Bond shall be applicable to each separate Security registered under the Book-Entry Only System.

(3) All notices under this Indenture to Holders of Series 2019 Bonds from any other Financing Participant shall be delivered by such Financing Participant to DTC for distribution by DTC in accordance with the Letter of Representations. All notices under this Indenture to or from a Financing Participant other than a Holder of a Series 2019 Bond shall be delivered directly to the Financing Participant as provided in this Indenture and shall not be delivered through DTC or the Book-Entry Only System.

(4) All payments of Debt Service on the Series 2019 Bonds shall be made by the Trustee to DTC and shall be made by DTC to the Participants (as such term is defined in the Letter of Representations) as provided in the Letter of Representations. All such payments shall be valid and effective fully to satisfy and discharge the Issuer's obligations with respect to such payments.

(c) If the Issuer and the Trustee concur that it would be in the best interests of the Holders of the Series 2019 Bonds for the Book-Entry Only System to be discontinued (in whole or in part), such Book-Entry Only System shall be discontinued (in whole or in part) in accordance with the provisions of the Letter of Representations. In addition, the Book-Entry Only System may be discontinued (in whole or in part) at any time by any Financing Participant acting alone in accordance with the Letter of Representations.

(d) If the Book-Entry Only System is discontinued, except as otherwise provided in this Section with respect to Wire Transfer rights, payment of interest on the Series 2019 Bonds which is due on any Interest Payment Date shall be made by check or draft mailed by the Trustee to the persons entitled thereto at their addresses appearing in the Bond Register. Such payments of interest shall be deemed timely made if so mailed on the Interest Payment Date (or, if such Interest Payment Date is not a Business Day, on the Business Day next following such Interest Payment Date). Payment of the principal of (and premium, if any, on) the Series 2019 Bonds and payment of accrued interest on the Series 2019 Bonds due upon redemption on any date other than an Interest Payment Date shall be made only upon surrender thereof at the Office of the Trustee.
(e) Upon the written request of the Holder of Series 2019 Bonds in an aggregate principal amount of not less than $1,000,000, the Trustee will make payment of the Debt Service due on such Series 2019 Bonds by Wire Transfer, provided that:

(1) such request contains adequate instructions for the method of payment, and

(2) payment of the principal of (and redemption premium, if any, on) such Series 2019 Bonds and payment of the accrued interest on such Series 2019 Bonds due upon redemption on any date other than an Interest Payment Date shall be made only upon surrender of such Series 2019 Bonds to the Trustee and payment.

ARTICLE 3

Application of Proceeds and Tax Certificate and Agreement

SECTION 3.01 Application of Proceeds

The proceeds from the sale of the Series 2019 Bonds to the original purchaser or purchasers thereof shall be paid to the Trustee and applied by the Trustee as follows:

(1) that portion that is allocable to accrued interest, if any, on the Series 2019 shall be deposited into the Bond Fund;

(2) the sum of [_____________________] shall be remitted to the Escrow Trustee for deposit into the Escrow Fund created under the Escrow Trust Agreement for the redemption and payment of the Series 2010-A Bonds; and

(3) the balance of such proceeds shall be transferred as directed by an Authorized Issuer Representative in a closing statement executed upon delivery of the Series 2019 Bonds, and shall be applied to the payment of the costs of the 2019 Capital Improvements and the Series 2019 Costs of Issuance. Proceeds remaining after payment of 2019 Costs of Issuance on the date of issuance of the Series 2019 Bonds pursuant to the Disbursement Order and Memorandum shall be deposited by the Trustee into a special account that the Trustee is hereby directed to establish at U.S. Bank National Association in the name of UAH (the “2019 Construction Account”), which such 2019 Construction Account shall not be subject to the lien of this Indenture. Payments from the 2019 Construction Account shall be made by the Trustee as and when requested pursuant to a requisition in the form of Exhibit B. Pending disbursement, amounts in the 2019 Construction Account shall be invested in Qualified Investments at the direction of an Authorized Issuer Representative. Any amount remaining after payment of the Series 2019 Costs of Issuance and the 2019 Improvements shall be applied by the Issuer to the interest due on the Series 2019 Bonds.

SECTION 3.02 Tax Certificate and Agreement

The Issuer will comply with the covenants and agreements on its part contained in the Tax Compliance Agreement and Certificate.

ARTICLE 4

The General Fees
SECTION 4.01  Representations and Warranties With Respect to Existing Liens on General Fees

The Issuer hereby warrants and represents that the General Fees have not been heretofore pledged or assigned for the benefit of any outstanding bonds, securities or other obligations except for the pledge and assignment under the Indenture.

SECTION 4.02  Deposits into the Bond Fund

There shall be paid into the Bond Fund from the General Fees the following amounts on the following dates:

(a) Simultaneously with the delivery of the Series 2019 Bonds to the original purchaser or purchasers thereof, the Issuer shall deposit in the Bond Fund the amount received, if any, as accrued interest on the Series 2019 Bonds.

(b) On or before the last Business Day prior to each Bond Payment Date with respect to the Series 2019 Bonds, the Issuer shall deposit in the Bond Fund an amount equal to Debt Service on the Series 2019 Bonds due and payable on such Bond Payment Date.

(c) All deposits to the Bond Fund required by this Section shall be made in funds immediately available to the Trustee at its Principal Office not later than the Business Day prior to the related Bond Payment Date.
IN WITNESS WHEREOF, the Issuer and the Trustee have caused this instrument to be duly executed, and their respective corporate seals to be hereunto affixed and attested.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

By: __________________________
Dr. Darren Dawson, President of UAH

[SEAL]

Attest:

________________________________
Secretary

U.S. BANK NATIONAL ASSOCIATION

By: __________________________

Its: __________________________

[SEAL]

Attest:

________________________________
Its: __________________________

This instrument was prepared by:

Rod Kanter
Bradley Arant Boult Cummings LLP
1819 5th Avenue North
Birmingham, Alabama 35203
(205) 521-8517

[Signature page to Fifteenth Supplemental Indenture]
STATE OF ALABAMA
MADISON COUNTY

I, Lee V. Bradley, a Notary Public in and for said County in said State, do hereby certify that Darren Dawson, whose name as President of The University of Alabama in Huntsville, for and on behalf of THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a public corporation and instrumentality of the State of Alabama, is signed to the foregoing instrument and who is known to me, acknowledged before me on this day that, being informed of the contents of said instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said public corporation.

Given under my hand this ___ day of ________________, 2019.

________________________
Notary Public

NOTARIAL SEAL

My commission expires: ___________________
STATE OF ALABAMA
JEFFERSON COUNTY

I, Lee V. Bradley, a Notary Public in and for said County in said State, do hereby certify that [____________________], whose name as Vice President of U.S. BANK NATIONAL ASSOCIATION, a national banking association, is signed to the foregoing instrument and who is known to me, acknowledged before me on this day that, being informed of the contents of said instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said banking association.

Given under my hand this ___ day of ____________, 2019.

________________________________________
Notary Public

NOTARIAL SEAL

My commission expires: ______________
CONTINUING DISCLOSURE AGREEMENT

THIS CONTINUING DISCLOSURE AGREEMENT (the "Agreement") is entered into by The Board of Trustees of The University of Alabama, a public corporation and instrumentality of the State of Alabama (the "Board").

This Agreement is being delivered in connection with the issuance by the Board of its $5,290,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2019 (the "Bonds"). The Bonds are being issued pursuant to a Trust Indenture dated as of November 1, 1989, as amended and supplemented (the "Indenture"), between the Board and U.S. Bank National Association, as trustee (the "Trustee").

In consideration of the purchase of such Bonds by the beneficial owners thereof, the Board covenants and agrees as follows:

Section 1. Definitions

Capitalized terms not otherwise defined in this Agreement shall have the meaning assigned in the Indenture. In addition, the terms set forth below shall have the meaning assigned unless the context clearly otherwise requires:

"Board" means The Board of Trustees of The University of Alabama, a public corporation and instrumentality of the State of Alabama.

"Bonds" means the bonds issued by the Board that are identified in the recitals to this Agreement.

"EMMA" means the MSRB’s Electronic Municipal Market Access System (EMMA) established pursuant to the Rule.

"Indenture" means the indenture identified in the recitals to this Agreement pursuant to which the Bonds are being issued.

"MSRB" means the Municipal Securities Rulemaking Board.

"Official Statement" means the Official Statement dated [_______], 2019, with respect to the Bonds.

"Rule" means Rule 15c2-12 adopted by the Securities and Exchange Commission, as the same may be amended from time to time.

"Trustee" means U.S. Bank National Association, as trustee under the Indenture.

"UAH" means The University of Alabama in Huntsville, a division of the Board.

Section 2. Purpose and Beneficiaries of this Agreement
This Agreement is entered into by the Board for the benefit of the Holders of the Bonds in order to assist the underwriters for those bonds in complying with the requirements of the Rule. For purposes of the Rule and the continuing disclosure undertakings by the Board for UAH in connection with the issuance of the Bonds, the "obligated person" for continuing disclosure will be UAH, and not any other operating division of the Board.

Section 3. Annual Financial Information

(a) Within 270 days after the end of each fiscal year, the Board shall file with the MSRB the following information:

(1) **Audited Financial Statements.** The audited financial statements of UAH for such fiscal year. The audited financial statements shall be prepared on a basis consistent with the accounting and auditing standards used to prepare the financial statements attached as APPENDIX B to the Official Statement, as such standards may be modified from time to time under generally accepted accounting and auditing standards applicable to the Board. Such audited financial information may take the form of a System-wide financial presentation of the Board, but in such event will include segment financial information for UAH in accordance with generally accepted accounting principles.

(2) **Annual Financial Information.** To the extent not included in the audited financial statements of UAH, the Board will provide financial information and operating data relating to the Board similar to the type found in the section of the Official Statement called "APPENDIX A" under the sections therein entitled "Faculty and Staff", "Student Enrollment", "Tuition and Fees", and under that portion of the section wherein entitled "Financial Matters" containing the chart displaying revenues, expenses and changes in net position of UAH.

(b) If any amendment is made to this Agreement, the annual information for the year in which such amendment is made shall contain a description of the reasons for such amendment and its impact on the type of information being provided.

Section 4. Event Disclosure

(a) In a timely manner not in excess of 10 business days after the occurrence of the event, the Board shall file with the MSRB notice of the occurrence of any of the following events affecting the Bonds:

(1) principal and interest payment delinquencies;

(2) non-payment related defaults, if material;

(3) unscheduled draws on debt service reserves reflecting financial difficulties;

(4) unscheduled draws on credit enhancements reflecting financial difficulties;
substitution of credit or liquidity providers, or their failure to perform;

adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notice of Proposed Issue (IRS Form 5701-TEB), or other material notices or determinations with respect to the tax status of the Bonds, or other material events affecting the tax status of the Bonds;

modifications to rights of the Holders of the Bonds, if material;

Bond calls, if material, and tender offers;

dcfcasancce;

release, substitution or sale of property securing repayment of the Bonds, if material;

rating changes;

bankruptcy, insolvency, receivership or similar events affecting the Board;

the consummation of a merger, consolidation, or acquisition involving the Board or the sale of all or substantially all of the assets of the Board, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material; and

appointment of a successor or additional trustee or the change of name of a trustee, if material.

incurrence of a Financial Obligation of an obligor, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a Financial Obligation of an obligor, any of which affect security holders, if material; and

default, event of acceleration, termination event, modification of terms, or other similar events under the terms of a Financial Obligation of an obligor, any of which reflect financial difficulties.

As used herein, "Financial Obligation" shall mean a (a) debt obligation; (b) derivative instrument entered into in connection with, or pledged as security or a source of payment for, an existing or planned debt obligation; or (c) a guarantee of (a) or (b). The term financial obligation does not include municipal securities as to which a final official statement has been otherwise provided to the MSRB under the Rule.
(b) In a timely manner the Board shall file with the MSRB notice of failure to make a filing, on or before the date specified in this Agreement, of annual information required by Section 3 of this Agreement.

Section 5. Consequences of Failure to File

If the Board fails to comply with any provision of this Agreement, the holder of any Bond may seek mandamus or specific performance by court order, to cause the Board to comply with its obligations under this Agreement. A default under this Agreement shall not be deemed an event of default under the Indenture or any other financing document related to the issuance of the Bonds. The sole remedy under this Agreement shall be an action to compel performance.

Section 6. Amendment

This Agreement may be amended by the Board if, upon written advice and approval by nationally recognized bond counsel, the amendment is required by, or consistent with, changes to, or interpretations of, the Rule made by the MSRB or such other governmental authority as shall be applicable after the Bonds are issued.

Section 7. Termination

This Agreement shall terminate when all Bonds have been paid or defeased in accordance with the terms of the Indenture.

Section 8. Filing

(a) The Board shall make the information filings required or permitted by this Agreement with the MSRB through the MSRB's Electronic Municipal Market Access System (EMMA).

(b) All documents provided to the MSRB pursuant to this Agreement shall be filed in electronic format as prescribed by the MSRB and shall be accompanied by identifying information as prescribed by the MSRB. The Board will disseminate its Annual Financial Information (in the form and by the dates described above) to EMMA in such manner and format and accompanied by identifying information as is prescribed by the MSRB or the Securities and Exchange Commission at the time of delivery of such information and by such time so that such entities receive the information by the dates specified. MSRB Rule G-32 requires all EMMA filings to be in word-searchable PDF format. This requirement extends to all documents required to be filed with EMMA, including financial statements and all other externally prepared reports all other externally prepared reports.

(c) Information about the filing system and requirements of EMMA is available at www.emma.msrb.org.

Section 9. Additional Information
The Board may, in its sole discretion, file with the MSRB additional notices with information not required by this Agreement or the Rule. Such additional filings may be discontinued by the Board at any time in its sole discretion.

Section 10. No Indirect Beneficiaries

This Agreement is for the benefit of the underwriters for the Bonds and for the Holders of the Bonds and shall not create rights or benefits for any other person or entity.
Section 11. Agent for Filings

The Board may appoint an agent for purposes of making the filings required or permitted by this Agreement, but no such appointment, or failure of such agent to perform, shall relieve the Board of its responsibilities under this Agreement.

Section 12. Governing Law

This Agreement shall be governed by the laws of the State of Alabama.

[the following page is the signature page]
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

By: ____________________________
President of The University of Alabama in Huntsville

By: ____________________________
Vice President for Finance and Administration of The University of Alabama in Huntsville
PRELIMINARY OFFICIAL STATEMENT DATED __________, 2019

NEW ISSUE
BOOK-ENTRY ONLY

RATINGS:
Moody's: [Aa3]
Standard & Poor's: [A+]
(See "RATINGS" herein)

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

$__________________________
UNIVERSITY OF ALABAMA IN HUNTSVILLE
GENERAL FEE REVENUE BONDS, SERIES 2019

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Issuer of the Series 2019 Bonds. The above-referenced bonds (the “Series 2019 Bonds”) are being issued by The Board of Trustees of The University of Alabama, a public corporation and instrumentality of the State of Alabama (the "Board"), for the benefit of its division The University of Alabama in Huntsville (“UAH”).

Authorizing Document. The Series 2019 Bonds will be issued under that certain Trust Indenture dated November 1, 1989, as supplemented and amended (the “Indenture”) between the Board and U.S. Bank National Association, as trustee.

Use of Proceeds. Proceeds of the Series 2019 Bonds will be used by the Board (i) refund the Board’s $27,990,000 initial principal amount Student Housing Revenue Bonds (Taxable Direct-Pay Build America Bonds), Series 2010-A, (ii) to pay the costs of the 2019 Improvements hereinafter defined, and (iii) to pay the costs of issuance of the Series 2019 Bonds. See “THE PLAN OF FINANCING” herein.

Source of Payment. The Series 2019 Bonds will be limited obligations of the Board payable solely from, and secured by, a pledge of, the General Fees to be derived by the Board from the operation of UAH, on a parity of lien with certain indebtedness of the Board outstanding under the Indenture, as more particularly described herein.

The Series 2019 Bonds will not be obligations or debts of the State of Alabama, nor are the full faith and credit of the State of Alabama pledged for the payment thereof, and neither the principal of nor the interest on the Series 2019 Bonds will be paid out of any moneys provided for or appropriated to or on behalf of the Board by the State of Alabama.

Pricing and Payment Terms. See “PRICING AND PAYMENT TERMS” on the inside cover page.

Form and Date of Delivery. The Series 2019 Bonds are being issued in book-entry form under the rules and regulations of The Depository Trust Company (the “Securities Depository”). The Series 2019 Bonds are expected to be delivered on or about [__________, 2019].

Legal Counsel. Bradley Arant Boult Cummings LLP has served as bond counsel to the Board and will deliver its opinion with respect to the Series 2019 Bonds in substantially the form attached as APPENDIX D. Certain legal matters will be passed upon for the Board by University Counsel.

Financial Advisor. PFM Financial Advisors LLC, Huntsville, Alabama, is serving as Financial Advisor to UAH.

Tax Status. Interest on the Series 2019 Bonds (i) will not be included in gross income of the holders for purposes of federal income taxation and (ii) will not be an item of tax preference for purposes of the federal alternative minimum tax imposed on individuals and corporations, subject to limitations or exceptions described under “TAX STATUS”. The opinion of bond counsel to the Board will address these aspects of the tax status of the Series 2019 Bonds and should be read in its entirety for a complete understanding of the scope of the opinion and the conclusions expressed.

Competitive Public Sale. Bids for the purchase of the Series 2019 Bonds will be received on [__________, 2019], as more particularly described herein and in the attached Notice of Sale set forth on Appendix E.

Risk Factors. For a description of certain risk factors involved in an investment in the Series 2019 Bonds, see “RISK FACTORS”.

Date of Official Statement. The date of this Official Statement is [__________, 2019].

Underwriting. On [__________, 2019], the Board conducted a competitive sale and accepted a bid for the purchase of the Series 2019 Bonds. See UNDERWRITING”.

* Preliminary; subject to change.
### Pricing and Payment Terms

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THE BOARD

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Birmingham, Alabama
This Official Statement is not to be construed as a contract or agreement between the Board and the purchasers or holders of any of the Series 2019 Bonds.

All quotations from and summaries and explanations of provisions of laws and documents herein do not purport to be complete, and reference is made to such laws and documents for full and complete statements of their provisions.

The information in this Official Statement has been obtained from sources which are considered dependable and which are customarily relied upon in the preparation of similar official statements, but such information is not guaranteed as to accuracy or completeness.

All estimates and assumptions contained herein are believed to be reasonable, but no representation is made that such estimates or assumptions are correct or will be realized.

No person, including any broker, dealer or salesman, has been authorized to give any information or to make any representation other than those contained in this Official Statement, and if given or made, such other information or representations must not be relied upon as having been authorized by the Board.

The Trustee makes no representation or warranty as to, and has no responsibility for the accuracy or completeness of, the information contained in this Official Statement.

This Official Statement does not constitute an offer to sell the Series 2019 Bonds in any jurisdiction to any person to whom it is unlawful to make such offer in such jurisdiction.

The Series 2019 Bonds will not be registered under the Securities Act of 1933, as amended, or any state securities laws and will not be listed on any stock or other securities exchange, and neither the Securities and Exchange Commission nor any federal, state, municipal or other governmental agency will pass upon the accuracy, completeness or adequacy of this Official Statement.

The order and placement of material in this Official Statement, including its appendices, are not to be deemed a determination of relevance, materiality or importance, and all material in this Official Statement, including its appendices, must be considered in its entirety.

Any information or expressions of opinion are subject to change without notice, and neither the delivery of this Official Statement nor any sale hereunder shall under any circumstances create an implication that there has been no change as to the affairs of the Board since the date hereof.

In connection with the offering of the Series 2019 Bonds, the Underwriter may over-allot or effect transactions that stabilize or maintain the market price of the Series 2019 Bonds at levels above which might otherwise prevail in the open market. Such stabilizing, if commenced, may be discontinued at any time.

In making an investment decision investors must rely on their own examination of the facts concerning the board, as disclosed herein, and the terms of the offering, including the merits and risks involved. These securities have not been recommended by any federal or state securities commission or regulatory authority. Furthermore, the foregoing authorities have not confirmed the accuracy or determined the adequacy of this document. Any representation to the contrary is a criminal offense.

The information contained in this Official Statement has been obtained from representatives of the Board, public documents, records and other sources considered to be reliable, but is not guaranteed as to accuracy or completeness by, and is not to be construed as a representation by, the Underwriter.

The Underwriter has reviewed the information in this Official Statement in accordance with, and as part of, their responsibilities to investors under the Federal securities laws as applied to the facts and circumstances of this transaction, but the Underwriter does not guarantee the accuracy or completeness of such information.
The delivery of this Official Statement at any time does not imply that any information herein is correct as of any time subsequent to its date. Any statements in this Official Statement involving estimates, assumptions and matters of opinion, whether or not so expressly stated, are intended as such and not representations of fact.

This Official Statement contains forward-looking statements, which can be identified by the use of the future tense or other forward-looking terms such as "may," "intend," "will," "expect," "anticipate," "plan," "management believes," "estimate," "continue," "should," "strategy," or "position" or the negatives of those terms or other variations on them or by comparable terminology. In particular, any statements, express or implied, concerning future operating results or the ability to generate General Fees or cash flow to service indebtedness are forward-looking statements. Investors are cautioned that reliance on any of those forward-looking statements involves risks and uncertainties and that, although the Board's management believes that the assumptions on which those forward-looking statements are based are reasonable, any of those assumptions could prove to be inaccurate. As a result, the forward-looking statements based on those assumptions also could be incorrect, and actual results may differ materially from any results indicated or suggested by those assumptions. In light of these and other uncertainties, the inclusion of a forward-looking statement in this Official Statement should not be regarded as a representation by the Board that its plans and objectives will be achieved. All forward-looking statements are expressly qualified by the cautionary statement contained in this paragraph. The Board undertakes no duty to update any forward-looking statements.
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OFFICIAL STATEMENT

Regarding

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The University of Alabama in Huntsville
General Fee Revenue Bonds
Series 2019

issued by

The Board of Trustees
of The University of Alabama

INTRODUCTION

This Official Statement (including all Appendices hereto) is furnished by The Board of Trustees of The University of Alabama (the “Board”) to provide information in connection with the issuance by the Board of the bonds referenced above (collectively, the “Series 2019 Bonds”) pursuant to a Trust Indenture dated November 1, 1989, as amended and supplemented (the “Indenture”), between the Board and U.S. Bank National Association, as trustee (the “Trustee”).

Copies of the Indenture are available for inspection and copying at personal expense during normal business hours at the Office of the Vice President for Finance and Administration, of The University of Alabama in Huntsville, 1201 John Wright Drive, Student Services Building, Room 301, Huntsville, Alabama 35899 and at the office of UAH’s Financial Advisor, PFM Financial Advisors LLC, 116 Jefferson Street South, Suite 301, Huntsville, Alabama 35801.

The Board and UAH

The Board is a public corporation and instrumentality of the State of Alabama under Section 264 of the Constitution of Alabama of 1901, as amended, and Chapter 47 of Title 16 of the Code of Alabama of 1975. The Board governs three university campuses located in Tuscaloosa, Birmingham and Huntsville, in the State of Alabama. Each campus is operated as a division by the Board.

The University of Alabama in Huntsville (“UAH”) is a division of the Board whose campus is located in Huntsville, Alabama.

For a description of UAH, see APPENDIX A.

Purpose of the Issue

The Series 2019 Bonds are issued for the purposes described hereinafter under “THE PLAN OF FINANCING”.

Limited Obligations

The Series 2019 Bonds will be limited obligations of the Board payable solely out of the General Fees. The Series 2019 Bonds will not be debts or obligations of the State of Alabama, and debt service on the Series 2019 Bonds will not be payable out of any money provided or appropriated to the Board by the State of Alabama. See “SECURITY AND SOURCE OF PAYMENT”.

* Preliminary; subject to change.

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Additional Bonds

The Indenture permits the Board to issue Additional Bonds ("Additional Bonds") that will be secured on a parity lien basis with the Series 2019 Bonds and any other bonds issued under the Indenture. For a description of bonds already outstanding under the Indenture that are secured on a parity lien basis with the Series 2019 Bonds, see "DEBT STRUCTURE OF UAH". For a description of the terms of the Indenture for the issuance of Additional Bonds in the future, see "SECURITY AND SOURCE OF PAYMENT."

Competitive Bid Process

The Series 2019 Bonds will be sold pursuant to a competitive public sale process as described in the Notice of Sale. All terms of the Series 2019 Bonds are set forth in the Indenture, including without limitation the form of Fifteenth Supplemental Indenture dated the date of the Series 2019 Bonds (the "Fifteenth Supplemental Indenture") adopted by the Board for the Series 2019 Bonds. Terms of the Indenture (including without limitation the Fifteenth Supplemental Indenture) are not subject to change except to reflect the pricing results of the winning bid for the Series 2019 Bonds. Accordingly, no bidder will be allowed to specify pricing terms for the Series 2019 Bonds or special covenants or requirements other than those specifically permitted by the Notice of Sale, nor may any new terms be negotiated or permitted by the successful bidder prior to the closing.

Interested bidders are encouraged to review the form of Fifteenth Supplemental Indenture for the Series 2019 Bonds. Such form may be obtained from PFM Financial Advisors LLC, financial advisor for the Series 2019 Bonds, located at 116 Jefferson Street South, Suite 301, Huntsville, Alabama 35801; (256) 536-3035.

The successful bidder for the Series 2019 Bonds will be identified as the underwriter for the Series 2019 Bonds in the final Official Statement. The interest rates, reoffering prices or yields and other pricing terms customary for the public distribution of the Series 2019 Bonds by an underwriter will also be included in the final Official Statement.

For further information concerning the bid process for the Series 2019 Bonds, see the NOTICE OF SALE included in APPENDIX E.

GLOSSARY

This section of the Official Statement contains the definitions of certain capitalized terms used frequently in this Official Statement. In addition, certain capitalized terms used in this Official Statement and not defined in this section are defined in "APPENDIX C – SUMMARY OF THE INDENTURE".

"Board" means The Board of Trustees of The University of Alabama, an Alabama public corporation.


"General Fees" means all fees and charges now or hereafter levied against students enrolled at UAH, including without limitation, general tuition and course fees, registration fees, laboratory fees, out-of-state fees and building fees.

"Internal Revenue Code" means the Internal Revenue Code of 1986, as amended.

"Series 2009-A Bonds" means the Board's $8,115,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2009-A, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $4,830,000.

"Series 2010-A Student Housing Bonds" means the Board's $27,990,000 Student Housing Revenue Bonds (Taxable Direct-Pay Build America Bonds), Series 2010-A, that were issued pursuant to a Trust Indenture dated July 1, 2010 between the Board and Regions Bank, as trustee, and are outstanding as of September 1, 2019, in the aggregate principal amount of 25,040,000.

"Series 2012-A Bonds" means the Board's $11,170,000 The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-A, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $7,570,000.

"Series 2012-B Bonds" means the Board's $13,700,000 The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2012-B, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $8,400,000.

"Series 2013-A1 Bond" means the Board's $7,550,000 The University of Alabama in Huntsville General Fee Revenue Bond, Series 2013-A1, that was issued pursuant to the Indenture and is outstanding as of September 1, 2019, in the aggregate principal amount of $3,160,000.

"Series 2013-A2 Bonds" means the Board's $24,455,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2013-A2, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $24,455,000.

"Series 2014-A Bonds" means the Board's $11,860,000 The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2014-A, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $8,415,000.

"Series 2015 Bond" means the Board's $5,175,000 The University of Alabama in Huntsville General Fee Revenue Refunding Bonds, Series 2015-A, that was issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $3,225,000.

"Series 2018-A1 Bonds" means the Board's $5,400,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A1, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $4,910,000.

"Series 2018-A2 Bonds" means the Board's $27,115,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-A2, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $27,115,000.

"Series 2018-B1 Bonds" means the Board's $5,290,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-B1, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $4,800,000.

"Series 2018-B2 Bonds" means the Board's $22,310,000 The University of Alabama in Huntsville General Fee Revenue Bonds, Series 2018-B2, that were issued pursuant to the Indenture and are outstanding as of September 1, 2019, in the aggregate principal amount of $22,310,000.

"Series 2019 Bonds" means the bonds offered by this Official Statement.

"Trustee" means U.S. Bank National Association, a national banking association, as successor to SouthTrust Bank.

"UAH" means The University of Alabama in Huntsville, a division of the Board.
THE SERIES 2019 BONDS

General Description of the Series 2019 Bonds

The principal amount of the Series 2019 Bonds to be issued is $___________. The Series 2019 Bonds will bear interest from their date and will mature on the dates and in the amounts set forth on the inside cover page of this Official Statement. The Series 2019 Bonds will be issuable only as fully registered bonds without coupons in the denomination of $5,000 or any integral multiple thereof. The Series 2019 Bonds will bear interest at the applicable rate per annum set forth on the inside cover page of this Official Statement. All Series 2019 Bonds of the same maturity and CUSIP number will bear interest at the same rate.

Interest on the Series 2019 Bonds will be payable on each December 1 and June 1, beginning [December 1, 2019], and will be calculated on the basis of a 360-day year with 12 months of 30 days each.

The Series 2019 Bonds will be issued in book-entry only form, as described below under “Book-Entry Only System”, and the method and place of payment will be as provided in the book-entry only system. The provisions set forth in this section below will apply in the event that the use of the Book-Entry Only System for the Series 2019 Bonds is discontinued.

Payment of interest due on each interest payment date will be made by check or draft mailed on such interest payment date to the persons who are registered holders of the Series 2019 Bonds on the regular record date for such interest payment date, which will be the 15th day of the month preceding such interest payment date. Payment of principal (and premium, if any) on the Series 2019 Bonds and payment of accrued interest on the Series 2019 Bonds due upon redemption on any date other than an interest payment date will be made only upon surrender of the Series 2019 Bonds at the corporate trust office of the Trustee in Birmingham, Alabama. The holder of any Series 2019 Bond in a principal amount of $1,000,000 or more may, upon the terms and conditions of the Indenture, request payment of debt service by wire transfer to an account of such holder maintained at a bank in the continental United States or by any other method providing for payment in same-day funds that is acceptable to the Trustee.

The Trustee is also bond registrar and paying agent for the Series 2019 Bonds. The corporate trust office of the Trustee for transacting business in its capacity as bond registrar and paying agent under the Indenture is located at 2204 Lakeshore Drive, Suite 302, Birmingham, Alabama 35209.

Redemption of Series 2019 Bonds

Optional Redemption. The Series 2019 Bonds maturing on or after June 1, [____], shall be subject to redemption prior to maturity, at the option of the Board, as a whole or in part, in Authorized Denominations, on June 1, [____], and on any date thereafter, at and for a purchase price equal to 100% of the principal amount to be redeemed plus accrued interest to the redemption date.

[Mandatory Redemption. ___________] The Series 2019 Bonds maturing in and (the "Series 2019 Term Bonds") shall be redeemed, at a redemption price equal to the face amount of Series 2019 Bonds to be redeemed plus accrued interest thereon to the date fixed for redemption, on the dates and in the principal amounts as follows:

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<th>Series 2019 Term Bonds Maturing in ______</th>
<th>Principal Amount to be Redeemed</th>
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<tr>
<td>Year (June 1)</td>
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Series 2019 Term Bonds Maturing in ______ |
Year                                          | Principal Amount

In the event the Board shall have partially redeemed the Series 2019 Term Bonds or shall have provided for a partial redemption of the Series 2019 Term Bonds in such a manner that the Series 2019 Term Bonds for the redemption of which provision is made are considered as fully paid, the Board may elect to apply all or any part (but only in integral multiples of $5,000) of the principal amount of such Series 2019 Term Bonds so redeemed or to be redeemed to the reduction of the principal amount of Series 2019 Term Bonds required to be redeemed pursuant to the schedules set forth immediately above on any June 1 coterminous with or subsequent to the date such optional redemption actually occurs.

Partial Redemption of Series 2019 Bonds. Except as otherwise provided with respect to mandatory redemption of Series 2019 Term Bonds, if less than all Series 2019 Bonds are to be redeemed, the principal amount of Series 2019 Bonds of each maturity to be redeemed may be specified by the Board by written notice to the Trustee, or, in the absence of timely receipt by the Trustee of such notice, shall be selected by the Trustee by lot or by such other method as the Trustee shall deem fair and appropriate; provided, however, that the principal amount of Series 2019 Bonds of each maturity to be redeemed must be a multiple of the smallest authorized denomination of the Series 2019 Bonds. If less than all Series 2019 Bonds of the same maturity are to be redeemed, the particular Series 2019 Bonds of such maturity to be redeemed shall be selected by the Trustee by lot or by such other method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions (equal to the smallest authorized denomination of the Series 2019 Bonds, or a multiple thereof) of the principal amount of Series 2019 Bonds of such maturity of a denomination larger than the smallest authorized denomination.

Effect of Redemption. The Series 2019 Bonds (or portions thereof as aforesaid) for whose redemption and payment provision is made in accordance with the Indenture shall thereupon cease to be entitled to the lien of the Indenture and shall cease to bear interest from and after the date fixed for redemption.

Notice of Redemption. Any notice of redemption will be given by mailing a copy of the redemption notice at least 30 days prior to the date fixed for redemption by registered or certified mail, postage prepaid, to each registered owner of each Series 2019 Bond (or portion thereof) to be redeemed at his address shown on the registration books.

The Trustee will, to the extent practicable under the circumstances, comply with the standards set forth in the Securities and Exchange Commission’s Exchange Act Release No. 23856 dated December 3, 1986, regarding redemption notices, but failure to do so shall not in any manner defeat the effectiveness of a call for redemption if notice by registered or certified mail is given as required by the Indenture.

Registration and Exchange

The Series 2019 Bonds will be issued in book-entry only form, as described below under “Book-Entry Only System”, and the method for registration and exchange of the Series 2019 Bonds will be as provided in the book-entry only system. The provisions set forth in this section below will apply in the event that the use of the Book-Entry Only System for the Series 2019 Bonds is discontinued.

The Series 2019 Bonds are transferable only on the Bond Register maintained at the corporate trust office of the Trustee in Birmingham, Alabama. Upon surrender of a Series 2019 Bond to be transferred, properly endorsed, a new Series 2019 Bond of the same maturity will be issued to the designated transferee.

The Series 2019 Bonds will be issued in denominations of $5,000 or any integral multiple thereof and, subject to the provisions of the Indenture, may be exchanged for other Series 2019 Bonds of the same maturity, of any authorized denominations and of a like aggregate principal amount, as requested by the holder surrendering the same.
The Trustee may not be required (i) to transfer or exchange any Series 2019 Bond for a period of 15 days next preceding the mailing of a notice of redemption of Series 2019 Bonds or (ii) to transfer or exchange any Series 2019 Bond selected for redemption in whole or in part.

**Book-Entry Only System**

Information concerning The Depository Trust Company, New York, NY ("DTC") and the Book-Entry System has been obtained from DTC and is not guaranteed as to accuracy or completeness by, and is not to be construed as a representation by, the Board, the Underwriter or the Trustee.

**Series 2019 Bonds in Book-Entry Form.** Beneficial ownership in the Series 2019 Bonds will be available to Beneficial Owners (as described below) only by or through DTC Participants via a book-entry system (the "Book-Entry System") maintained by DTC. If the Series 2019 Bonds are taken out of the Book-Entry System and delivered to owners in physical form, as contemplated hereinafter under “Discontinuance of DTC Services,” the following discussion will not apply.

*Portions of the following information concerning The Depository Trust Company ("DTC") and DTC's book-entry only system have been obtained from DTC. The Board and the Underwriter make no representation as to the accuracy of such information.*

Initially, DTC will act as securities depository for the Series 2019 Bonds. The Series 2019 Bonds initially will be issued as fully-registered securities registered in the name of Cede & Co. (DTC's partnership nominee) or such other name as may be requested by an authorized representative of DTC. Initially, one fully-registered bond certificate for each maturity will be issued for the Series 2019 Bonds, in the aggregate principal amount of the Series 2019 Bonds of such maturity, and will be deposited with DTC.

DTC, the world's largest securities depository, is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code, and a "clearing agency" registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934. DTC holds and provides asset servicing for over 3.5 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments (from over 100 countries) that DTC's participants ("Direct Participants") deposit with DTC. DTC also facilitates the post-trade settlement among Direct Participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between Direct Participants' accounts. This eliminates the need for physical movement of securities certificates. Direct Participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations and certain other organizations. DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation ("DTCC"). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries. Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, and clearing corporations that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly ("Indirect Participants"). DTC has a Standard & Poor's rating of AA+. The DTC rules applicable to its Participants are on file with the Securities and Exchange Commission. More information about DTC can be found at www.dtcc.com and www.dtc.org. So long as the Series 2019 Bonds are maintained in book-entry form with DTC, the following procedures will be applicable with respect to the Series 2019 Bonds.

Purchases of the Series 2019 Bonds under the DTC system must be made by or through Direct Participants, which will receive a credit for the Series 2019 Bonds on DTC's records. The ownership interest of each actual purchaser of each Bond ("Beneficial Owner") is in turn to be recorded on the Direct and Indirect Participants' records. Beneficial Owners will not receive written confirmation from DTC of their purchase. Beneficial Owners are, however, expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the Direct or Indirect Participant through which the Beneficial Owner entered into the transaction. Transfers of ownership interests in the Series 2019 Bonds are to be accomplished by entries made on the books of Direct and Indirect Participants acting on behalf of Beneficial Owners. Beneficial Owners will not receive certificates

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representing their ownership interests in the Series 2019 Bonds, except in the event that use of the book-entry system for the Series 2019 Bonds is discontinued.

To facilitate subsequent transfers, all the Series 2019 Bonds deposited by Participants with DTC are registered in the name of DTC's partnership nominee, Cede & Co., or such other name as may be requested by an authorized representative of DTC. The deposit of the Series 2019 Bonds with DTC and their registration in the name of Cede & Co. or such other DTC nominee do not affect any change in beneficial ownership. DTC has no knowledge of the actual Beneficial Owners of the Series 2019 Bonds; DTC's records reflect only the identity of the Direct Participants to whose accounts such Series 2019 Bonds are credited, which may or may not be the Beneficial Owners. The Direct and Indirect Participants will remain responsible for keeping account of their holdings on behalf of their customers.

Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to Beneficial Owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

As long as the book-entry system is used for the Series 2019 Bonds, redemption notices will be sent to DTC. If less than all of the Series 2019 Bonds within an issue are being redeemed, DTC's practice is to determine by lot the amount of the interest of each Direct Participant in such issue to be redeemed.

As long as the book-entry system is used for the Series 2019 Bonds, principal, premium, if any, and interest payments on the Series 2019 Bonds will be made to Cede & Co., or such other nominee as may be requested by an authorized representative of DTC. DTC's practice is to credit Direct Participants' accounts upon DTC's receipt of funds and corresponding detail information from the Depository, on the payable date in accordance with their respective holdings shown on DTC's records. Payments by Participants to Beneficial Owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of such Participant and not of DTC, the Depository or the Board, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of principal, premium, if any, and interest to Cede & Co. (or such other nominee as may be requested by an authorized representative of DTC) is the responsibility of the Board or the Depository, and disbursement of such payments to the Participants or the Beneficial Owners will be the responsibility of Direct and Indirect Participants.

Neither DTC nor Cede & Co. (nor any other DTC nominee) will consent or vote with respect to the Series 2019 Bonds unless authorized by a Direct Participant in accordance with DTC's MMI Procedures. Under its usual procedures, DTC mails an Omnibus Proxy to the Depository as soon as possible after the record date. The Omnibus Proxy assigns Cede & Co.'s consenting or voting rights to those Direct Participants to whose accounts the Series 2019 Bonds are credited on the record date (identified in a listing attached to the Omnibus Proxy).

DTC may discontinue providing its services as securities depository with respect to the Series 2019 Bonds at any time by giving reasonable notice to the Board or the Depository. In addition, the Board may decide to discontinue use of the system of book-entry transfers through DTC (or a successor securities depository). Under either of such circumstances, in the event that a successor securities depository is not obtained, bond certificates are required to be printed and delivered.

The Board and the Depository will have no responsibility or obligation to any securities depository, any Participants in the book-entry system, or the Beneficial Owners with respect to (i) the accuracy of any records maintained by the securities depository or any Participant; (ii) the payment by the securities depository or by any Participant of any amount due to any Participant or Beneficial Owner, respectively, in respect of the principal amount or redemption or purchase price of, or interest on, any of the Series 2019 Bonds; (iii) the delivery of any notice by the securities depository or any Participant; (iv) the selection of the Beneficial Owners to receive payment in the event of any partial redemption of the Series 2019 Bonds; or (v) any other action taken by the securities depository or any Participant.

Discontinuance of DTC Services. DTC may discontinue providing its services as depository with respect to the Series 2019 Bonds at any time by giving reasonable notice to the Board and the Trustee. Under such circumstances, in the event that a successor depository is not obtained, bond certificates are required to be authenticated and delivered.
The Board may, as provided in the Indenture, decide to discontinue use of the Book-Entry System through DTC (or a successor securities depository). In that event, Series 2019 Bond certificates will be printed and delivered to DTC.

**Use of Certain Terms in Other Sections of the Official Statement.** In reviewing this Official Statement it should be understood that while the Series 2019 Bonds are in the Book-Entry System, reference in other sections of this Official Statement to owners of such Series 2019 Bonds should be read to include any person for whom a Participant acquires an interest in Series 2019 Bonds, but (i) all rights of ownership, as described herein, must be exercised through DTC and the Book-Entry System and (ii) notices that are to be given to registered owners by the Trustee will be given only to DTC. DTC is required to forward (or cause to be forwarded) the notices to the Participants by its usual procedures so that such Participants may forward (or cause to be forwarded) such notices to the Beneficial Owners.

**Disclaimer.** Neither the Board nor the Trustee has any responsibility or obligation to any Direct Participants or Indirect Participants or the Persons for whom they act with respect to (1) the accuracy of any records maintained by DTC or any Direct or Indirect Participant; (2) the payment by any relevant Participant of any amount due to any relevant Beneficial Owner in respect of the principal of or interest or premium, if any, on the Series 2019 Bonds; (3) the delivery by any relevant Direct Participant or relevant Indirect Participant of any notice to any relevant Beneficial Owner that is required or permitted under the terms of the Indenture to be given to the holders of the Series 2019 Bonds; (4) the selection of the relevant Beneficial Owners to receive payment in the event of any partial redemption of the Series 2019 Bonds; or (5) any consent given or other action taken by DTC as holder of the Series 2019 Bonds.

**Authority for Issuance**

The Series 2019 Bonds are being issued pursuant to Section 16-3-28 of the Code of Alabama 1975, as amended (the “Enabling Law”). The Enabling Law authorizes each public corporation that conducts one or more state educational institutions under its supervision to borrow money for the purchase, construction, enlargement, or alteration of its facilities and to issue interest-bearing securities in evidence of such borrowing. The borrowing public corporation may pledge to the payment of such securities the fees from students levied and to be levied by or for such institution and any other moneys and revenues not appropriated by the State of Alabama to such institution. The borrowing corporation is also authorized by the Enabling Law to agree to maintain its charges and fees at such rates and in such amounts as will produce money sufficient to pay debt service on the securities with respect to which any such pledge is made and to create and maintain any required reserve therefor. The Enabling Law also authorizes refunding securities payable from the same or different sources as the securities to be refunded.

The Enabling Law provides that neither the securities issued thereunder, nor any pledge or agreement that may be made with respect to such securities, shall be or constitute an obligation of any nature whatsoever of the State of Alabama, and that neither such securities nor any obligation arising from any such pledge or agreement shall be payable out of any moneys appropriated by the State of Alabama to the institution with respect to which such securities are issued or such pledge or agreement is made.

**Legal Investment Status**

The Enabling Law provides that bonds, notes and other securities issued under the Enabling Law shall be eligible for the investment of trust or other fiduciary funds in the exercise of prudent judgment by those making such investment.

**SECURITY AND SOURCE OF PAYMENT**

**Source of Payment**

The Series 2019 Bonds will be special or limited obligations of the Board payable solely out of all fees and charges now or hereafter levied against students enrolled at UAH, including without limitation, general tuition and...
course fees, registration fees, laboratory fees, out-of-state fees and building fees (herein referred to as the “General Fees”). The General Fees include the General Tuition Fees and the Building Fees.

For a description of the general operations of UAH, see “APPENDIX A – GENERAL DESCRIPTION OF THE UNIVERSITY OF ALABAMA IN HUNTSVILLE”.

The Series 2019 Bonds will not be general obligations of the Board and shall never constitute or give rise to a charge against funds appropriated to the Board by the State of Alabama.

Security for Payment

Pursuant to the Indenture the Board has pledged and assigned to the Trustee the General Fees and money and investments in the funds and accounts established under the Indenture. For a description of such funds and accounts, see “APPENDIX C – SUMMARY OF THE INDENTURE”. Such pledge and assignment is for the benefit of all Bonds issued under the Indenture. The Series 2019 Bonds will be the seventeenth series of bonds issued under the Indenture. After issuance of the Series 2019 Bonds, the Series 2009-A Bonds, the Series 2012-A Bonds, the Series 2012-B Bonds, the Series 2013-A1 Bond, Series 2013-A2 Bonds, the Series 2014-A Bonds, the Series 2015 Bond, the Series 2018-A1 Bonds, the Series 2018-A2 Bonds, the Series 2018-B1, the Series 2018-B2 and the Series 2019 Bonds will be the only bonds outstanding under and secured by the Indenture. The Indenture authorizes the issuance of additional bonds under the Indenture secured on a parity of lien basis with the Series 2009-A Bonds, the Series 2012-B2 Bonds, the Series 2012-B Bonds, the Series 2013-A1 Bond, the Series 2013-A2 Bonds, the Series 2014-A Bonds, the Series 2015 Bond, the Series 2018-A1 Bonds, the Series 2018-A2 Bonds, the Series 2018-B1 Bonds, the Series 2018-B2 Bonds and the Series 2019 Bonds, subject to the terms and conditions specified in the Indenture.

The Board, acting through its division UAH, has other miscellaneous indebtedness, but such indebtedness is not secured by a pledge or assignment of the General Fees.

For a description of the debt service requirements with respect to obligations secured by a pledge or assignment of the General Fees, see “DEBT SERVICE REQUIREMENTS ON BONDS SECURED BY A PLEDGE OF THE GENERAL FEES”.

Additional Bonds

In the Indenture, the Board has reserved the right to issue Additional Bonds secured by a pledge and assignment of the General Fees equally and ratably with the Series 2009-A Bonds, the Series 2012-A Bonds, the Series 2012-B Bonds, the Series 2013-A1 Bond, the Series 2013-A2 Bonds, the Series 2014-A Bonds, the Series 2015 Bond, the Series 2018-A1 Bonds, the Series 2018-A2 Bonds, the Series 2018-B1 Bonds, the Series 2018-B2 Bonds and the Series 2019 Bonds. For a discussion of the terms of issuance of such additional bonds see “APPENDIX C – SUMMARY OF THE INDENTURE—Additional Bonds”.

Remedies

The Board is exempt from all suits under the doctrine of sovereign immunity, but agents and employees of the Board may, by mandamus, be compelled to apply the General Fees to the payment of the Series 2019 Bonds in accordance with the terms of the Indenture. An action for mandamus and the rights of the holders of the Series 2019 Bonds and the enforceability thereof and of the Indenture may be limited by bankruptcy, insolvency, reorganization, moratorium and other similar laws affecting creditors’ rights and general principles of equity, including the exercise of judicial discretion in appropriate cases.

The United States Bankruptcy Code

Provisions of the United States Bankruptcy Code permit political subdivisions of a state and certain state and local public agencies or instrumentalities that are insolvent or unable to meet their debts to file petitions for relief in the Federal Bankruptcy Court if authorized by state law. While there is no legislation currently in effect in Alabama authorizing the Board to file such a petition for relief, there is no assurance that legislation authorizing the Board to file a petition for relief under the Bankruptcy Code will not be enacted in the future.
Bankruptcy proceedings by the Board could have additional adverse effects on holders of Series 2019 Bonds, including (a) delay in the enforcement of their remedies; (b) subordination of their claims or charges on the aforesaid pledged revenues to claims of those supplying goods and services to the Board after the initiation of bankruptcy proceedings and to the administrative expenses of bankruptcy proceedings; (c) subordination of liens; (d) avoidance of liens or preferential transfers; (e) the issuance, with the approval of the Court, of certificates of indebtedness having priority over pre-existing obligations; and (f) imposition without their consent of a reorganization plan reducing or delaying or extinguishing payment on the Series 2019 Bonds. The Bankruptcy Code contains provisions intended to insure that, in any reorganization plan not accepted by the holders of at least a majority in aggregate principal amount of the Series 2019 Bonds, the holders of the Series 2019 Bonds will have the benefit of their original claim or charge on the aforesaid pledged revenues or the “indebted equivalent.” The effect of these and other provisions of the Bankruptcy Code cannot be predicted with any certainty and may be significantly affected by judicial interpretation.

Section 922(d) of Chapter 9 of the Bankruptcy Code provides that a bankruptcy petition does not operate as a stay of “application of pledged special revenues” to the payment of indebtedness secured by such revenues in a manner consistent with other provisions of the Bankruptcy Code. Without limitation, section 928 of the Bankruptcy Code provides that special revenues acquired by the debtor after commencement of a chapter 9 case remain subject to any lien resulting from any security agreement entered into by the debtor before commencement of the case, but further provides that any such lien on special revenues (other than municipal betterment assessments) derived from a project or system shall be subject to “the necessary operating expenses of such project or system.” It is not clear whether the pledge of the General Fees made by the Board for the benefit of the Series 2019 Bonds would constitute “special revenues” as that term is defined in section 902(2) of the Bankruptcy Code. Moreover, the phrase “application of pledged special revenues” has given rise to arguments that the provisions of section 922(d) apply only to funds in possession and control of the debt holders, or their trustee. Therefore, it is uncertain whether or not the filing of a chapter 9 petition would affect application of General Fees for the payment of principal and interest on the Series 2019 Bonds. Similarly, it is uncertain whether section 928 of the Bankruptcy Code would control the claims of holders of the Series 2019 Bonds with respect to the General Fees.

The approving legal opinion of Bond Counsel to the Board will contain the customary reservation that the rights of the holders of the Series 2019 Bonds and the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium and other similar laws affecting creditors’ rights and the exercise of judicial discretion in appropriate cases. See the proposed form of approving legal opinion of Bond Counsel to the Board set forth in Appendix C.

THE PLAN OF FINANCING

Redemption of Series 2010-A Student Housing Bonds

A portion of the proceeds of the Series 2019 Bonds will be used to redeem and retire the Series 2010-A Student Housing Bonds. The Series 2010 Student Housing Bonds were issued pursuant to a Trust Indenture dated July 1, 2010, between the Board and Regions Bank, as Trustee (“Regions”). Under the 2010 Indenture, those of the Series 2010-A Student Housing Bonds maturing in 2021 and thereafter may be called for redemption and payment on June 1, 2020, and on any date thereafter.

Proceeds from the Series 2019 Bonds will be remitted to Regions, in its capacity as escrow trustee under an Escrow Trust Agreement dated the date of the Series 2019 Bonds (the “Escrow Trust Agreement”), for deposit into a special fund or account created in the Escrow Trust Agreement (the “Escrow Fund”). Amounts on deposit in the Escrow Fund, together with interest earnings thereon, shall be used to pay maturing installments of principal of and interest on the Series 2010-A Student Housing Bonds through and including June 1, 2020 (the “Redemption Date”), and to pay, on June 1, 2020, the redemption price of those of the Series 2010-A Student Housing Bonds scheduled to mature after June 1, 2020, called for redemption and payment on the Redemption Date.

Amounts on deposit in the Escrow Fund will not be pledged to the Series 2019 Bonds, nor will holders of the Series 2019 Bonds or any other Bonds issued under the Indenture have any lien or rights with respect to such proceeds.
Verification Report

The adequacy of (i) the cash and maturing principal and interest earned on the direct obligations of the United States of America to be put on deposit in the Escrow Fund for redemption and payment of Series 2010-A Student Housing Revenue Bonds, and (ii) the actuarial yield on the Series 2019 Bonds and all direct obligations of the United States of America to be put on deposit in the Escrow Fund, which computations support the conclusion that the Series 2019 Bonds are not "arbitrage bonds" under Section 148 of the Internal Revenue Code of 1986, as amended, will be verified by [______________].

2019 Capital Improvements

A portion of the proceeds of the Series 2019 Bonds will be deposited into a special fund of UAH and used to pay the costs of certain public capital improvements on the campus of UAH including, without limitation, renovations to Roberts Hall and other public capital improvements, assets and equipment relating thereto (the "2019 Improvements").

SOURCES AND USES OF FUNDS

The sources and uses of funds for the plan of financing are expected to be as follows:

Sources of Funds

Principal of Series 2019 Bonds
[Net] original issue [premium/discount]

Total

Uses of Funds

Refunding of Series 2010-A Student Housing Bonds
Payment of 2019 Improvements
Costs of issuance (including underwriting, legal, accounting, financial advisor, and other expenses)

Total

DEBT STRUCTURE OF UAH

Outstanding Long-Term Debt Payable From the General Fees

After giving effect to the issuance of the Series 2019 Bonds, the Board will have the following long-term debt outstanding that is payable from the General Fees:

Series 2019 Bonds. These are the bonds offered pursuant to this Official Statement. These bonds are payable from and secured by the General Fees on a parity basis with respect to the Series 2018-B2 Bonds, the Series 2018-B1 Bonds, the Series 2018-A1 Bonds, the Series 2018-A2 Bonds, Series 2015 Bond, the Series 2014-A Bonds, the Series 2013-A1 Bond, the Series 2013-A2 Bonds, the Series 2012-A Bonds, the Series 2012-B Bonds, the Series 2009-A Bonds, and all other Bonds issued pursuant to the Indenture.

Series 2018-B1 Bonds. The Series 2018-B1 Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2018-B1 Bonds are outstanding in
the aggregate principal amount of $4,800,000 and mature or are subject to mandatory redemption on September 1 in the years 2019 through 2028.

**Series 2018-B2 Bonds.** The Series 2018-B2 Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2018-B2 Bonds are outstanding in the aggregate principal amount of $22,310,000 and mature or are subject to mandatory redemption on September 1 in the years 2029 through 2048.

**Series 2018-A1 Bonds.** The Series 2018-A1 Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2018-A1 Bonds are outstanding in the aggregate principal amount of $4,910,000 and mature or are subject to mandatory redemption on September 1 in the years 2027.

**Series 2018-A2 Bonds.** The Series 2018-A2 Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2018-A2 Bonds are outstanding in the aggregate principal amount of $27,115,000 and mature or are subject to mandatory redemption on September 1 in the years 2019 through 2028.

**Series 2015 Bond.** The Series 2015 Bond was issued pursuant to the Indenture and is payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2015 Bond is outstanding in the principal amount of $3,225,000 and has principal installments maturing or subject to mandatory redemption on June 1 in the years 2019 through 2025.

**Series 2014-A Bonds.** The Series 2014-A Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2014-A Bonds are outstanding in the aggregate principal amount of $8,415,000 and mature or are subject to mandatory redemption on September 1 in the years 2019 through 2034.

**Series 2013-A1 Bond.** The Series 2013-A1 Bond was issued pursuant to the Indenture and is payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2013-A1 Bonds are outstanding in the aggregate principal amount of $3,160,000 and matures or is subject to mandatory redemption on April 1 in the years 2019 through 2023.

**Series 2013-A2 Bonds.** The Series 2013-A2 Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2013-A2 Bonds are outstanding in the aggregate principal amount of $24,455,000 and mature or are subject to mandatory redemption on April 1 in the years 2024 through 2043.

**Series 2012-A Bonds.** The Series 2012-A Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2012-A Bonds are outstanding in the aggregate principal amount of $7,570,000 and mature or are subject to mandatory redemption on April 1 in the years 2019 through 2031 and on October 1, 2031.

**Series 2012-B Bonds.** The Series 2012-B Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2012-B Bonds are outstanding in the aggregate principal amount of $8,400,000 and mature or are subject to mandatory redemption on September 1 in the years 2019 through 2026 and on December 1, 2026.
Series 2009-A Bonds. The Series 2009-A Bonds were issued pursuant to the Indenture and are payable and secured by the General Fees on a parity basis with respect to the Series 2019 Bonds and all other Bonds issued under the Indenture. As of September 1, 2019, the Series 2009-A Bonds are outstanding in the aggregate principal amount of $4,830,000 and mature or are subject to mandatory redemption on July 1 in the years 2019 through 2029.

Additional Debt Payable From General Fees

In 2017, UAH acquired approximately 60 acres of real property adjacent to its campus. Some of the buildings on this property are being leased and generate a modest revenue stream, while others are being used for office and storage space. Earlier this year, UAH completed a preliminary master planning exercise to envision how this property could be developed to create space and amenities to improve campus life for UAH students, faculty, staff, and the local community. Although some preliminary master planning has been completed (and includes preliminary plans and concepts for additional student housing, retail, event and other space), work on the project is still in the early stages and additional analysis and planning will be required before UAH and the Board can determine whether to pursue this project. It is likely that additional bonds payable from General Fees will be issued if UAH and the Board ultimately determine to pursue the project. At this time, it is not possible to predict the size or timeframe for such a borrowing, or the timeframe for such a project.

From time to time, depending on market conditions, the Board also anticipates that it will refund existing debt in accordance with its debt management objectives. Such debt may be issued as additional bonds under the Indenture. See “APPENDIX C – SUMMARY OF THE INDENTURE – Additional Bonds”.

Outstanding Short-Term Debt Payable From General Fees

The Board will not have any short-term debt payable from the General Fees when the Series 2019 Bonds are issued.

Outstanding Debt Payable From Other Sources

The Board has the following outstanding debt payable from revenue sources at UAH other than the General Fees.

**1981 Housing Revenue Bonds.** The Board’s The University of Alabama in Huntsville Housing Revenue Bonds issued in 1981 are payable from revenues derived from UAH’s consolidated housing revenues. As of September 1, 2019, these bonds are outstanding in the aggregate principal amount of $186,000 and mature on May 1 in the years 2019 through 2021.

**1980 Housing Revenue Bonds.** The Board’s The University of Alabama in Huntsville Housing Revenue Bonds issued in 1980 are payable from UAH’s consolidated housing revenues. As of September 1, 2019, these bonds are outstanding in the aggregate principal amount of $95,000 and mature on May 1 in the years 2018 through 2020.

**Miscellaneous Debt.** From time to time the Board has incurred various debts (including notes and capitalized leases) that are payable from income from the financed property or other sources other than the General Fees. Such debt was outstanding in the amount of $228,005 as of September 1, 2019.

Other System Debt

The Board has incurred, and will continue to incur, debt payable solely from revenues of its two other operating divisions at the Tuscaloosa campus and the Birmingham campus. This debt will have no claim on the General Fees or any other revenues from the operation of UAH.
Note Regarding GASB Nos. 68, 74, 75 and 82, and Pension and OPEB Liabilities

In June 2012, the Governmental Accounting Standards Board ("GASB") issued Statement No. 68, Accounting and Financial Reporting for Pensions ("GASB No. 68" or the "Standard"). The Standard generally requires that in financial statements of governmental entities prepared using the economic resources measurement focus and accrual basis of accounting, such as those of UAH, an employer that does not have a special funding situation is required to recognize a liability for its proportionate share of the net pension liability. It also changes the amount and method of recognition of periodic pension expense, as well as required certain new disclosures. This standard was effective for UAH’s fiscal year ending September 30, 2015.

On April 11, 2016, GASB issued pension guidance for financial reporting to address implementation issues related to the new pension accounting standards for state and local governments. Statement No. 82 amends Statement Nos. 67 and 68 to change the payroll measure required to be presented in schedules of required supplementary information and ratios that use that measure. Statement No. 82 requires the presentation of "covered payroll," which is defined as the payroll on which contributions to a pension plan are based. Previously, Statement Nos. 67 and 68 required the presentation of "covered-employee payroll" which was defined as the payroll of employees that are provided with pension through the pension plan and ratios that use that measure. The University adopted GASB Statement No. 82 for the year ended September 30, 2017.

GASB issued Statement No. 74 ("GASB No. 74") in June 2015. The objective of this statement is to improve the usefulness of information about postemployment benefits other than pensions (other postemployment benefits or "OPEB") included in the general purpose external financial reports of state and local governmental OPEB plans for making decisions and assessing accountability. This statement became effective for financial statements for fiscal years beginning after June 15, 2016. UAH has determined there was no impact from the adoption of GASB No. 74.

GASB also issued in June 2015 Statement No. 75 ("GASB No. 75"). The objective of this statement is to improve accounting and financial reporting by state and local governments for OPEB. This statement is effective for fiscal years beginning after June 15, 2017. As shown herein, implementation of GASB No. 75 resulted in the recognition of a material liability and a corresponding material reduction of the UAH’s unrestricted net position. See Appendix A – Condensed Statements of Revenues, Expenses and Changes in Net Position.
DEBT SERVICE REQUIREMENTS ON BONDS SECURED BY A PLEDGE OF THE GENERAL FEES

The following table sets forth the estimated debt service requirements, rounded to the nearest whole dollar, on all bonds of the Board that will be secured by a pledge of the General Fees after the Series 2019 Bonds are issued. Columns and rows may not add due to rounding.

<table>
<thead>
<tr>
<th>Fiscal Year Ending Sept. 30</th>
<th>Series 2019 Bonds*</th>
<th>Other Bonds(1)</th>
<th>Housing Bonds(2)</th>
<th>Aggregate Debt Service*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Principal Interest</td>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
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<tr>
<td>2020</td>
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* Preliminary; subject to change.


(2) Excludes Series 2010-A Student Housing Bonds to be refunded with Series 2019 Bonds.

DEBT SERVICE COVERAGE

Set forth below is the historical coverage of estimated maximum annual debt service requirements occurring in fiscal year ending September 30, [_____] on all bonds secured by a pledge of the General Fees (excluding the Series 2010 Student Housing Revenue Bonds to be redeemed and retired with the Series 2019 Bonds) and the Series 2019 Bonds. General Fees are shown net of scholarship allowances. See "DEBT SERVICE REQUIREMENTS ON BONDS SECURED BY A PLEDGE OF THE GENERAL FEES".
<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>General Fees</th>
<th>Coverage of Maximum Annual Debt Service (Rounded)</th>
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<tbody>
<tr>
<td>2014-15</td>
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<td>2015-16</td>
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<td>2016-17</td>
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<td>2017-18</td>
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</table>

For a description of the General Fees and historical enrollment at UAH see "APPENDIX A".

**RISK FACTORS**

**Limited Source of Payment**

The Series 2019 Bonds will be limited obligations of the Board, payable solely from, and secured by a pledge of, the General Fees. See “SECURITY AND SOURCE OF PAYMENT”.

The Series 2019 Bonds will not be debts or obligations of the State of Alabama, and debt service on the Series 2019 Bonds will not be payable out of any money provided or appropriated to the Board by the State of Alabama. Holders of the Series 2019 Bonds shall never have the right to demand payment of the Series 2019 Bonds from the Board from any source other than the special funds established under the Indenture and the General Fees and shall be entitled to payment from such sources only on a parity basis with all other bonds outstanding under the Indenture.

The net proceeds of the Series 2019 Bonds will not be held in a special fund under the Indenture or otherwise pledged to secure payment of the Series 2019 Bonds.

**Limitation on Remedies Upon Default**

The Indenture does not constitute a mortgage on or security interest in any properties of the Board, and no foreclosure or sale proceedings with respect to any property of the Board may occur.

The Board is exempt from all suits under the doctrine of sovereign immunity, but agents and employees of the Board may, by mandamus, be compelled to apply the General Fees to the payment of the Series 2019 Bonds in accordance with the terms of the Indenture.

An action for mandamus and the rights of the holders of the Series 2019 Bonds and the enforceability thereof and of the Indenture may be limited by bankruptcy, insolvency, reorganization, moratorium and other similar laws affecting creditors’ rights and general principles of equity, including the exercise of judicial discretion in appropriate cases.

**State Proration**

The State of Alabama appropriates money each year to UAH for operating costs and non-operating cash requirements, including capital expenditures. Because the State is mandated by its constitution to operate with a balanced budget, the State occasionally has reduced its appropriations, through a process known as “proration”, when its annual revenues are not expected to meet budgeted appropriations. It is expected that proration will be implemented from time to time in the future, and when proration does occur, UAH will be required to implement various cost-saving measures in order to balance its own budget. Although proration may impact UAH’s budget, the Series 2019 Bonds are not payable from State appropriations. See information in APPENDIX A under the caption “State Appropriations.”

On each occasion when proration was announced by the State, UAH responded by modifying amounts budgeted for contingency purposes, applying unrestricted fund balances carried over from previous years, deferring equipment purchases, reducing administrative expenses such as travel cost and not filling vacant positions. Adjustments to reduce the recurring expense base for personnel and other costs, and to enhance recurring revenue
streams where possible, were also made to rebalance the budget for proration considered to reflect long-term funding prospects. UAH will adjust for future prorations, if any, by taking similar actions.

**General Factors Affecting the General Fees**

No representation can be made and no assurance can be given that the General Fees will be sufficient to make the required payment of debt service on the Series 2019 Bonds and pay necessary operating expenses. Such receipts are subject to a variety of factors that could adversely affect debt service coverage on the Series 2019 Bonds, including general economic conditions, population in UAH’s basic service area, the demand for higher education, and legislative and administrative requirements on UAH’s operations.

**Qualification of Legal Opinions**

The various legal opinions to be delivered concurrently with delivery of the Series 2019 Bonds (1) will be qualified as to enforceability of the various legal instruments by limitations imposed by bankruptcy, reorganization, insolvency, or other similar laws affecting the rights of creditors generally and by equitable remedies and proceedings generally and (2) will express the professional judgment of the attorneys rendering the opinions as to the legal issues explicitly addressed therein. By rendering a legal opinion, the opinion giver does not become an insurer or guarantor of that expression of professional judgment, of the transaction opined upon, or the future performance of parties to the transaction, and the rendering of an opinion does not guarantee the outcome of any legal dispute that may arise out of the transaction.

**Tax-Exempt Status of Series 2019 Bonds**

It is expected that the Series 2019 Bonds will qualify as tax-exempt obligations for federal income tax purposes as of the date of issuance. See “TAX STATUS”. Bond counsel to the Board is delivering an opinion with respect to certain aspects of the tax status of the Series 2019 Bonds. The opinion for the Series 2019 Bonds is attached to this Official Statement as APPENDIX D, and should be read in its entirety for a complete understanding of the scope of the opinion and the conclusions expressed. A legal opinion is only the expression of professional judgment and does not constitute a guaranty with respect to the matters covered. In addition, the opinion of bond counsel to the Board speaks only as of its date, and bond counsel to the Board does not undertake to advise bondholders about subsequent developments.

The tax status of the Series 2019 Bonds could be affected by post-issuance events. There are various requirements of the Internal Revenue Code that must be observed or satisfied after the issuance of the Series 2019 Bonds in order for the Series 2019 Bonds to qualify for, and retain, tax-exempt status. These requirements include use of the proceeds of the Series 2019 Bonds, use of the facilities financed by the Series 2019 Bonds, investment of bond proceeds, and the rebate of so-called excess arbitrage earnings. Compliance with these requirements is the responsibility of the Board.

The Internal Revenue Service conducts an audit program to examine compliance with the requirements regarding tax-exempt status. If the Series 2019 Bonds become the subject of an audit, under current IRS procedures, the Board would be treated as the taxpayer in the initial stages of an audit, and the owners of the Series 2019 Bonds would have limited rights to participate in the audit process. The initiation of an audit with respect to the Series 2019 Bonds could adversely affect the market value and liquidity of the Series 2019 Bonds, even though no final determination about the tax-exempt status would have been made. If an audit were to result in a final determination that the Series 2019 Bonds do not qualify as tax-exempt obligations, such a determination could be retroactive in effect to the date of issuance of the Series 2019 Bonds.

In addition to post-issuance compliance, a change in law after the date of issuance of the Series 2019 Bonds could affect the tax-exempt status of the Series 2019 Bonds or the economic benefit of investing in the Series 2019 Bonds. For example, Congress could eliminate the exemption for interest on the Series 2019 Bonds, or it could reduce or eliminate the federal income tax, or it could adopt a so-called flat tax. See “RISK FACTORS – Future Legislation Could Affect Bonds” below.
The Indenture does not provide for mandatory redemption of the Series 2019 Bonds or payment of any additional interest or penalty if a determination is made that the Series 2019 Bonds do not comply with the existing requirements of the Internal Revenue Code or if a subsequent change in law adversely affects tax-exempt status of the Series 2019 Bonds.

Future Legislation Could Affect Bonds

The federal government often considers various proposals to reduce federal budget deficits and the amount of federal debt, including proposals that would eliminate or reduce indirect expenditures made through various deductions and exemptions currently allowed by the income tax laws.

The exemption for interest on tax-exempt bonds is one of the indirect expenditures that could be affected by a deficit reduction initiative. Some deficit-reduction proposals would completely eliminate the exemption for interest on tax-exempt bonds. Other proposals would place an aggregate cap on the total amount of exemptions and deductions that may be claimed by a taxpayer, or a cap on the exemption for interest on tax-exempt bonds. Changes in the rate of the federal income tax, including so-called “flat tax” proposals, could also reduce the value of the exemption.

Changes affecting the exemption for interest on tax-exempt bonds, if enacted, could apply to tax-exempt bonds already outstanding, including the Series 2019 Bonds offered pursuant to this Official Statement, as well as bonds issued after the effective date of such legislation. It is not possible to predict whether Congress will adopt legislation affecting the exemption for tax-exempt bonds, what the provisions of such legislation may be, whether any such legislation will be retroactive in effect, or what effect any such legislation may have on investors in the Series 2019 Bonds. Investors should consult their own tax advisers about the prospects and possible effect of future legislation that could affect the exemption for interest on tax-exempt bonds.

RATINGS

Moody’s Investors Service, Inc. and Standard & Poor’s Rating Service, a division of The McGraw-Hill Companies, Inc. (together, the “Rating Agencies”) have assigned the ratings to the Series 2019 Bonds as indicated on the cover page of this Official Statement based upon information provided by the Board. Each rating reflects the respective Rating Agency’s underlying rating of the creditworthiness of the Board with respect to obligations payable from the General Fees. Any further explanation of the significance of such ratings may be obtained only from the appropriate rating agency. The Board furnished to the Rating Agencies the information contained in this Official Statement and certain other information respecting the Board and the Series 2019 Bonds. Generally, Rating Agencies base their underlying ratings on such materials and information, as well as on their own investigations, studies and assumptions.

The ratings indicated on the cover page are not recommendations to buy, sell or hold the Series 2019 Bonds, and any such ratings may be subject to revision or withdrawal at any time by the Rating Agencies. Any downward revision or withdrawal of any or all of such ratings may have an adverse effect on the market price of the affected Series 2019 Bonds. Neither the Board nor the Underwriter has undertaken any responsibility either to bring to the attention of the Series 2019 Bondholders any proposed revision, suspension or withdrawal of a rating or to oppose any such revision, suspension or withdrawal.

TAX STATUS

General

Under existing law, the tax status of the Series 2019 Bonds will include the following characteristics:

Federal Tax-Exempt Status. Interest on the Series 2019 Bonds will be excluded from gross income for federal income tax purposes if the Board complies with all requirements of the Internal Revenue Code of 1986 (the “Internal Revenue Code”) that must be satisfied subsequent to the issuance of the Series 2019 Bonds in order that interest thereon be and remain excluded from gross income. Failure to comply with such requirements could cause
the interest on the Series 2019 Bonds to be included in gross income, retroactive to the date of issuance of the Series 2019 Bonds. The Board has covenanted to comply with all such requirements.

**Federal Tax Preference Treatment.** Interest on the Series 2019 Bonds will not be an item of tax preference for purposes of the federal alternative minimum tax imposed on individuals and corporations; however, with respect to corporations, such interest is taken into account in determining adjusted current earnings for the purpose of computing the alternative minimum tax imposed on such corporations.

**State Tax-Exempt Status.** Interest on the Series 2019 Bonds will be exempt from State of Alabama income taxation.

**Original Issue Discount**

The original issue discount is the selling price of a Series 2019 Bond, to the extent properly allocable to each owner of such Series 2019 Bond, that is excluded from gross income for federal income tax purposes with respect to such owner. The original issue discount is the excess of the stated redemption price at maturity of such Series 2019 Bond over the initial offering price to the public, excluding underwriters and other intermediaries, at which price a substantial amount of the Series 2019 Bonds of such maturity were sold.

Under Section 1288 of the Internal Revenue Code, original issue discount on tax-exempt Series 2019 Bonds accrues on a compound basis. The amount of original issue discount that accrues to an owner of a Series 2019 Bond during any accrual period generally equals (i) the issue price of such Series 2019 Bond plus the amount of original issue discount accrued in all prior accrual periods, multiplied by (ii) the yield to maturity of such Series 2019 Bond (determined on the basis of compounding at the close of each accrual period and properly adjusted for the length of the accrual period), minus (iii) any interest payable on such Series 2019 Bond during such accrual period. The amount of original issue discount so accrued in a particular accrual period will be considered to be received ratably on each day of the accrual period, will be excluded from gross income for federal income tax purposes, and will increase the owner’s tax basis in such Series 2019 Bond. Purchasers of any Series 2019 Bond at an original issue discount should consult their tax advisers regarding the determination and treatment of original issue discount for federal income tax purposes, and with respect to state and local tax consequences of owning such Series 2019 Bond.

**Original Issue Premium**

An amount equal to the excess of the purchase price of a Series 2019 Bond over its stated redemption price at maturity constitutes premium on such Series 2019 Bond. A purchaser of a Series 2019 Bond must amortize any premium over such Series 2019 Bond’s term using constant yield principles, based on the Series 2019 Bond’s yield to maturity. As premium is amortized, the purchaser’s basis in such Series 2019 Bond and the amount of tax-exempt interest received will be reduced by the amount of amortizable premium properly allocable to such purchaser. This will result in an increase in the gain (or decrease in the loss) to be recognized for federal income tax purposes on sale or disposition of such Series 2019 Bond prior to its maturity. Even though the purchaser’s basis is reduced, no federal income tax deduction is allowed. Purchasers of any Series 2019 Bonds at a premium, whether at the time of initial issuance or subsequent thereto, should consult with their own tax advisors with respect to the determination and treatment of premium for federal income tax purposes, and with respect to state and local tax consequences of owning such Series 2019 Bonds.


**NO OBLIGATION OF STATE OF ALABAMA FOR PAYMENT OF SERIES 2019 BONDS**

The Series 2019 Bonds are special obligations of the Board payable solely out of, and secured by a pledge of, the General Fees. Neither the principal of nor the interest on the Series 2019 Bonds nor the aforesaid pledge or any other agreement contained in the Indenture shall constitute an obligation (whether direct, indirect or contingent) of any nature whatsoever of the State of Alabama, and neither the Series 2019 Bonds nor any obligation arising from said pledge or agreements shall be payable out of any moneys appropriated to the Board or to UAH by the State of Alabama.
LITIGATION

The Board

There is not now pending or, to the knowledge of the Board, threatened any litigation or other proceeding restraining or enjoining the issuance or delivery of the Series 2019 Bonds or questioning or affecting the validity of the Series 2019 Bonds or the proceedings or authority under which they are to be issued. Neither the creation, the organization nor the existence of the Board nor the title of any of the present members or other officers of the Board to their respective offices is being contested. There is no litigation or other proceeding pending or, to its knowledge, threatened which in any manner questions the right of the Board to enter into the Indenture or to secure the Series 2019 Bonds in accordance with the Indenture.

UAH Litigation

UAH has advised that no litigation or other proceeding is pending, or to its knowledge, threatened against it except for litigation (a) in which the probable recoveries and the estimated costs and expenses of defense will be entirely within the applicable insurance policy limits (subject to applicable deductibles) or are not in excess of the total of the reserves held under the applicable self-insurance or shared-risk program or (b) in which an adverse determination would not have a material adverse effect on the operations or the financial condition of UAH.

LEGAL MATTERS

The legality and validity of the Series 2019 Bonds will be approved by Bradley Arant Boult Cummings LLP, Birmingham, Alabama, bond counsel to the Board. Bond counsel to the Board will render an opinion with respect to the Bonds in substantially the form attached as APPENDIX D. The opinion of bond counsel to the Board should be read in its entirety for a complete understanding of the scope of the opinion and the conclusions expressed. Delivery of the Bonds is contingent upon the delivery of the opinion of bond counsel to the Board. Sid Trant, General Counsel to the University of Alabama System and Secretary to the Board, has served as counsel to the Board in connection with the issuance of the Series 2019 Bonds.

UNDERWRITING

The Series 2019 Bonds were purchased at a competitive sale by [_________] (the “Underwriter”). The Series 2019 Bonds are being reoffered by the Underwriter at the prices or yields reflected on the inside cover page of this Official Statement. The purchase price being paid by the Underwriter is $[_________], which reflects [net] original issue [premium/discount] of $[_________] and an underwriter’s spread or compensation of $[_________].

CONTINUING DISCLOSURE

General

The Board has covenanted for the benefit of the holders of the Series 2019 Bonds to provide to the Municipal Securities Rule Making Board’s Electronic Municipal Market Access System (“EMMA”) (i) certain financial information and operating data relating to the Board on an annual basis (the “Annual Financial Information”) within 270 days after the end of its fiscal year and (ii) notices of the occurrence of the following events in a timely manner not in excess of ten (10) business days after their occurrence, to EMMA with respect to the Series 2019 Bonds (as applicable): (a) principal and interest payment delinquencies, (b) non-payment related defaults, if material, (c) unscheduled draws on debt service reserves reflecting financial difficulties, (d) unscheduled draws on credit enhancements reflecting financial difficulties, (e) substitution of credit or liquidity providers, or their failure to perform, (f) adverse tax opinions, the issuance by the IRS of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of
the security, or other material events affecting the tax status of the Series 2019 Bonds, (g) modifications to rights of bondholders, if material, (h) bond calls (excluding mandatory, scheduled redemptions which are set forth in detail in the Official Statement, and the only open issue is which Series 2019 Bonds will be redeemed in the case of a partial redemption), if material, (i) defeasances, (j) release, substitution, or sale of property securing repayment of the Series 2019 Bonds (as appropriate), if material, (k) rating changes, (l) tender offers, (m) bankruptcy, insolvency, receivership, or similar proceeding of the Board, (n) the consummation of a merger, consolidation, or acquisition involving the Board or the sale of all or substantially all of the assets of the Board, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material; (o) appointment of successor or additional trustee, or the change of name of a trustee, if material, (p) incurrence of a financial obligation of the Board or obligated person, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a financial obligation of the Board or obligated person, any of which affect security holders, if material, and (p) default, event of acceleration, termination event, modification of terms, or other similar events under the terms of the financial obligation of the City or obligated person, any of which reflect financial difficulties.

As used in items (p) and (q) immediately above, the term "Financial Obligation" means a (i) debt obligation; (ii) derivative instrument entered into in connection with, or pledged as security or a source of payment for, an existing or planned debt obligation; or (iii) a guarantee of (i) or (ii). The term financial obligation does not include municipal securities as to which a final official statement has been otherwise provided to the MSRB under the Rule.

The Board also agrees to provide, in a timely manner, to the MSRB (through EMMA) notice of a failure by the Board to provide the required annual financial information on or before the date specified in its written continuing disclosure undertaking.

The Annual Financial Information will include financial information and operating data relating to the Board similar to the type found in the section of this Official Statement called “APPENDIX A – Faculty and Staff, Student Enrollment, Tuition and Fees and Financial Matters”. In addition, the Board will provide audited financial statements prepared in accordance with generally accepted accounting principles. Such audited financial statements may take the form of a System-wide financial presentation of the Board, but in such event will include segment financial information for UAH in accordance with generally accepted accounting principles. The accounting principles may change from time to time, as directed by the Governmental Accounting Standards Board (“GASB”), and may change the presentation of financial information. See “APPENDIX A – Financial Matters”.

The Board will disseminate its Annual Financial Information (in the form and by the dates described above) to EMMA in such manner and format and accompanied by identifying information as is prescribed by the MSRB or the Securities and Exchange Commission at the time of delivery of such information and by such time so that such entities receive the information by the dates specified.

The Board shall never be subject to money damages for its failure to comply with its obligations to provide the required information. The only remedy available to the holders of the Series 2019 Bonds for breach by the Board of its obligations to provide the required information shall be the remedy of specific performance or mandamus against appropriate officials of the Board. The failure by the Board to provide the required information shall not be an event of default with respect to the Series 2019 Bonds under the Indenture.

No person other than the Board shall have any liability or responsibility for compliance by the Board with its obligations to provide information. The Trustee has not undertaken any responsibility with respect to any required reports, notices or disclosures.

The Board retains the right, with approval of nationally recognized bond counsel, to modify its obligations described above as long as such modification is done in a manner consistent with Rule 15c2-12 of the Securities and Exchange Commission.
Compliance with Prior Undertakings

The Board has discovered deficiencies in disclosure for various of its divisions, including UAH, which it reported in an event notice filed with EMMA on November 26, 2014, under the following base CUSIP numbers: 914025, 914026, 914031 and 91402J. Such event notice is available at www.emma.msrb.org.

During the past five years, UAH failed to file on a timely basis certain information required by its previous undertakings. Audited financial statements as well as certain financial and operating data for fiscal year ended September 30, 2015 were filed late. Fiscal year 2015 audited financial statement and operating data was filed on September 9, 2016. Also, UAH did not file timely notices of the failure to file required financial information when due. The late notice was filed on September 9, 2016.

For fiscal year 2016, the audited financial statements of UAH were not filed until March 31, 2017 (i.e., two days after the relevant deadline), and other financial and operating data for UAH was filed late on April 14, 2017, although notice of the late filing of such financial and operating data was filed on March 31, 2017. UAH did not file timely notices of these failures respecting fiscal year 2016 financial information until March 6, 2018. In some instances, annual financial information filed by UAH failed to attach all requisite CUSIP numbers on EMMA. All such information has been relinked on EMMA.

The Board has four separate operating divisions, one of which is UAH. The Board issues revenue bonds for the benefit of each operating division; however, the borrowing for each operating division is based solely on the credit of that operating division, and the debt incurred for that operating division is payable solely out of revenues from that operating division. The Board wishes to clarify that for purposes of the Rule and the continuing disclosure undertaking by UAH in connection with the issuance of these Bonds, the “obligated person” for continuing disclosure will be UAH, not any other operating division of the Board. The Board has not attempted in this Official Statement to describe continuing disclosure compliance for any of its operating divisions other than UAH.

INDEPENDENT ACCOUNTANTS

The financial statements of UAH and its discretely presented component unit as of September 30, 2018 and 2017 and for the years then ended, included in this Official Statement as APPENDIX B, have been audited by PricewaterhouseCoopers LLP, independent accountants, as stated in their report, which report also appears in APPENDIX B. As stated in their report, PricewaterhouseCoopers LLP, did not audit the financial statements of the University of Alabama in Huntsville Foundation ("UAHF"), UAH's discretely presented component unit, as of September 30, 2018 and 2017, and for the years then ended. Those statements were audited by other auditors whose report thereon was furnished to PricewaterhouseCoopers, LLP, and their opinion, insofar as it relates to the amounts included for UAH, is based solely on the report of the other auditors.

FINANCIAL ADVISOR

PFM Financial Advisors LLC, Huntsville, Alabama (the “Financial Advisor”) is serving as financial advisor to the Board in connection with the issuance of the Series 2019 Bonds. The Financial Advisor assisted in the preparation of this Official Statement and in other matters relating to the planning, structuring and issuance of the Series 2019 Bonds, and provided other advice to the Board. The Financial Advisor will not engage in any underwriting activities with regard to the issuance and sale of the Series 2019 Bonds. The Financial Advisor is not obligated to undertake, and has not undertaken to make, an independent verification or to assume responsibility for the accuracy, completeness or fairness of the information contained in this Official Statement, and is not obligated to review or ensure compliance with the undertaking by the Board to provide continuing secondary market disclosure.

APPENDICES

THE APPENDICES TO THIS OFFICIAL STATEMENT CONTAIN INFORMATION CONCERNING THE BOARD AND THE SERIES 2019 BONDS. SUCH APPENDICES ARE AN INTEGRAL PART OF THIS OFFICIAL STATEMENT AND SHOULD BE READ IN THEIR ENTIRETY.
CERTIFICATE

This Official Statement has been approved and deemed "final" by the Board within the meaning of Rule 15c2-12 of the Securities and Exchange Commission, to the best of its knowledge and belief.

MISCELLANEOUS

The Board has duly authorized the execution and delivery of this Official Statement.
APPENDIX A

GENERAL DESCRIPTION OF
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

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APPENDIX A

GENERAL DESCRIPTION OF
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

THE BOARD

The University of Alabama System consists of three autonomous campuses at Huntsville, Birmingham and Tuscaloosa ("The University of Alabama System"), and is governed by the Board, a 16-member board known as "The Board of Trustees of The University of Alabama" (herein referred to as the "Board"). The Board is a public educational corporation and instrumentality of the State of Alabama. Each campus is operated as a division of the Board. The Board includes the Governor of the State of Alabama as President ex officio of the Board. The other 15 members are elected by the incumbent members, and each of the congressional districts in the State is represented. The election of these 15 members is subject to confirmation or rejection by the Senate of the State of Alabama. In the event that the Senate confirms the election or chooses to take no action, each member will serve until the expiration of his term and until a successor is elected. With respect to members not yet considered by the Senate, members serve until the expiration of their term unless rejected and until the confirmation of a successor by the Senate.

Each campus has a separate President who reports to the Board through the Chancellor of The University of Alabama System. The Board determines policy and approves operating budgets, educational programs, facilities and capital financing for each campus, and sets the separate tuition and fee schedules applicable at each campus.

The current members of the Board are as follows:

President
Governor Kay Ivey, ex officio

President Pro Tempore
Ronald Gray

Members
Karen P. Brooks
Joseph Espy III
Barbara Humphrey
Vanessa Leonard
W. Davis Malone, III
Evelyn V. Mauldin
Harris Morrissette
Scott Phelps
William Sexton
W. Stancil Starnes
Marietta Urquhart
Kenneth Vandervoort, M.D.
Evelyn VanSant Mauldin
James Wilson III

Chancellor of The University of Alabama System

Finis E. (Fess) St. John, IV was announced as the Chancellor of The University of Alabama System on April 12, 2019, after serving as the Interim Chancellor for the previous eight months.

Mr. St. John previously served on the Board as a Trustee for 17 years. During his tenure on the UA System Board, Mr. St. John chaired numerous standing committees and played a key role in the recruitment of senior campus
leadership. He was unanimously elected to three successive terms as President pro tempore (2008 – 2011) of the Board and was directly involved in managing more than 45- capital projects exceeding $3.0 billion on the campuses.

Mr. St. John is a cum laude graduate of The University of Alabama (1978), where he was inducted into Phi Beta Kappa and Omicron Delta Kappa. He received his law degree in 1982 from The University of Virginia School of Law and was chair of the Moot Court Board. He clerked for the Hon. Peter T. Fay, 11th Circuit U.S. Court of Appeals after completing law school. He is a lifelong resident of Cullman and a member of one of Alabama’s oldest and most established law firms, St. John & St. John, L.L.C, which was founded in 1892.

The University of Alabama in Huntsville

The University of Alabama in Huntsville ("UAH") is a state-supported institution founded in 1950 and is a part of The University of Alabama System. UAH's 505-acre campus is located in Huntsville, Alabama, and is the anchor tenant for Cummings Research Park, the second largest university-related research park in the United States and home to numerous high technology and research companies. Also located near the campus are the Army's Redstone Arsenal, the Marshall Space Flight Center (NASA), and the U.S. Space and Rocket Center. UAH's buildings were all constructed after 1960 and contain modern equipment.

The first undergraduate and master's degrees were awarded by UAH in 1968 and 1964, respectively. UAH is fully accredited by the Southern Association of Colleges and Schools Commission on Colleges, which is the major accrediting body for colleges in the Southeast and Texas. The professional programs are also accredited by the appropriate professional associations. The baccalaureate, masters and doctorate of nursing practice programs in Nursing are accredited by the Commission on Collegiate Nursing Education (CCNE), the Education programs are accredited by the National Council for Accreditation of Teacher Education (NCATE), the Engineering programs are accredited by the Accrediting Board of Engineering and Technology (ABET), and the College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

The University offers 87 degree-granting programs that meet the highest standards of excellence, including 41 bachelor's degree programs, 30 master's degree programs, and 16 doctoral programs through its nine colleges: Arts, Humanities and Social Sciences; Business, Education, Engineering, Graduate Studies, Honors, Nursing, Professional and Continuing Studies, and Science.

About The University of Alabama in Huntsville

The University of Alabama in Huntsville has approximately 9,700 students and is classified by the Carnegie Foundation for the Advancement of Teaching as a "High Activity" research university, placing it among a select group of public universities in America. UAH has five research programs ranked in the top 25 in the nation in research expenditures, according to the National Science Foundation. The campus receives national recognition on a regular basis. UAH was listed as very competitive by Barron's Profiles in American Colleges and was one of only two public universities in Alabama to earn this designation. U.S. News & World Report consistently ranks UAH among the magazine's Tier 1 national universities, placing it among the top four percent of public universities in the nation. Additionally, numerous sources report that UAH is among the state and national leaders for return on investment for its graduates.

Executive Administration

The President, as chief executive officer of UAH, is elected by and serves at the pleasure of the Board.

The daily responsibilities of governing UAH are delegated to the President and, through the President, to his assisting officers and the faculty in each of the several schools and the colleges.

The current principal administrative officers of UAH are the following:

President. Dr. Darren Dawson was given a unanimous vote on April 12, 2019 by The University of Alabama Board of Trustees to become the next president of The University of Alabama in Huntsville. He joined the university on June 21, 2019.
Previously, Dr. Dawson was Dean of Engineering at Kansas State University where he was successful in enrollment growth and fundraising. Known for building partnerships with public- and private-sector entities, his extensive research background includes emphasis on controls and robotics with more than $20 million in grant and contract awards. He has industry experience with Westinghouse at the Bettis Atomic Power Laboratory.

Prior to his successful five-year tenure at Kansas State University, Dr. Dawson served at Clemson University for 24 years in positions of ascending responsibility: Chair of the Department of Electrical and Computer Engineering, Professor, and Graduate Coordinator. During his time as Department Chair, research expenditures and Ph.D. enrollment more than doubled and undergraduate enrollment increased by 160 percent.

Dr. Dawson earned degrees in electrical engineering from Georgia Tech. His academic awards include the NCR Undergraduate Teaching Award (1992), the Office of Naval Research Young Investigator Award (1994), the National Science Foundation Young Investigator Award (1994), the Georgia Institute of Technology Council of Outstanding Young Engineering Alumni Award (1995), the Centennial Professorship (2000), the Murray Stockey Award for Excellence in Teaching Award (2003) and the COES Collaborative Research Award (2007).

Vice President for Finance and Administration. Mr. Todd M. Barré joined UAH in December 2017 as the Vice President for Finance and Administration. He has twenty-eight years of budget, finance and administrative experience in higher education. Prior to joining UAH, he served as Director of Budget and Institutional Research at the Louisiana State University (LSU) Agriculture Center, where he had responsibilities for the development of the annual operating budget, submission of external reports to the LSU System Office, Board of Regents, state and other external agencies. Additionally, he assisted the Chancellor with legislative relations and bill tracking and served as Treasurer of the LSU Research and Technology Foundation. He previously served as Deputy Commissioner for Finance and Administration at the Louisiana Board of Regents; as Associate Vice President for Budget, Finance and Facilities with the University of Louisiana System; as Director of Budget, Planning and Information Technology with the LSU System Office; and as Administrative/Budget Analyst III with the LSU Office of Budget and Planning. From LSU, Mr. Barré earned his B.S. in Quantitative Business Analysis – Computer Science and a Master of Public Administration with emphasis in financial statement and budget preparation and analysis, fund accounting, microeconomic theory and analysis, policy development and evaluation, and human resource management.

Provost and Executive Vice President for Academic Affairs. Dr. Christine W. Curtis joined UAH in February 2014 as the Provost and Executive Vice President for Academic Affairs. She has since established the College of Education, the College of Professional and Continuing Education and has been instrumental in developing programs in: theatre; writing; secondary education; early childhood/early childhood special education, cybersecurity, sport and fitness management, and professional studies bachelor degrees; master’s and Ph.D. degrees in space science; a master’s degree in professional communication; a master of science in applied behavioral analysis, and a master of arts in teaching; a Ph.D. in Nursing Science and a Doctor of Nursing Practice. Prior to joining UAH, Dr. Curtis worked at the University of South Carolina (USC) as senior vice provost and director of strategic planning. She was also the vice provost for faculty development and served as a professor in the chemical engineering department. Prior to her work at USC, Dr. Curtis had a long tenure at Auburn University and served as a professor in the chemical engineering department, while at the same time made contributions as an administrator holding the titles of associate provost, special assistant to the president and associate vice president for research. She received a bachelor’s degree in chemistry from Mercer University, and a master’s and Ph.D. in analytical chemistry from The Florida State University.

Vice President for Student Affairs. Dr. Kristi L. Motter joined UAH in 2014 in her position as Vice President for Student Affairs. She offers over 20 years of experience in higher education and enrollment management. She also has considerable experience with successful data management, dual campus environments, and staff management and leadership. Previously, Dr. Motter served as associate vice president for enrollment management at The University of Southern Mississippi in Hattiesburg. In that position, Dr. Motter served as the chief enrollment officer for the university and chaired the university’s strategic enrollment planning action team. She oversaw orientation, admissions, financial aid and scholarships, and student retention and persistence and also supported Student Affairs in the areas of budget planning, accountability, and assessment and SACS accreditation. Prior to Southern Miss, she held numerous positions at Northwestern State University including Systems Analyst, Coordinator of Student Services, Associate Director of Financial Aid, and Director of Financial Aid. Dr. Motter received her Ph.D. from The University of Southern Mississippi, and obtained her bachelor's and master's degrees from Northwestern State University (LA).
Interim Vice President for University Advancement. Ms. Mallie S. Hale joined UAH in December 2016 as Senior Director of Alumni Relations/Executive Director of the UAH Alumni Association. In July 2018, she was asked to serve in the additional roles of Interim Vice President for University Advancement and Interim Executive Director of UAH Foundation. In her interim roles, Ms. Hale oversees all University Advancement programs, including major gifts, planned giving, annual giving, advancement services, alumni relations, and University-wide marketing and communications. Prior to her appointment at UAH, Ms. Hale served as Major Gifts Officer for three years in the School of Medicine’s Department of Medicine at The University of Alabama at Birmingham (UAB) where she was part of a team that raised nearly $15 million in her last fiscal year at UAB and was responsible for securing the largest commitment ever for the Tinsley Harrison Internal Medicine Residency Program. Before her time at UAB, Ms. Hale held the position of Director of Children’s Ministry at First United Methodist Church in Decatur, Alabama and, prior to that, Assistant Director of Alumni Affairs at Birmingham-Southern College. Ms. Hale received a B.S. in Psychology from Birmingham-Southern College and the M.A. in Applied Sociology from UAB.

Interim Vice President for University Advancement. Ms. Mallie Hale joined UAH in December 2016 as Senior Director of Alumni Relations/Executive Director of the UAH Alumni Association. Prior to her appointment at UAH, Mallie served as Major Gifts Officer for three years in the School of Medicine’s Department of Medicine at The University of Alabama at Birmingham (“UAB”) where she was part of a team that raised nearly $15 million in her last fiscal year at UAB and was responsible for securing the largest commitment ever for the Tinsley Harrison Internal Medicine Residency Program. Before her time at UAB, Ms. Hale held the position of Director of Children’s Ministry at First United Methodist Church in Decatur, Alabama and, prior to that, Assistant Director of Alumni Affairs at Birmingham-Southern College. Since arriving at UAH, Ms. Hale has worked to establish new alumni chapters, with several more in the pipeline, partnered with the Office of Career Services to launch a new mentoring program that aligns student interests with alumni expertise, enhanced Alumni Relations’ online and social media presence, and recruited Alumni Ambassadors to aid in student recruitment efforts. Ms. Hale received a B.S. in Psychology from Birmingham-Southern College and the M.A. in Applied Sociology from UAB.

Interim Vice President for Research and Economic Development. Dr. Robert Lindquist was appointed to the position of Interim Vice President for Research and Economic Development in May 2018 after serving in the positions of the Associate Vice President for Contracts and Grants, the Director of the Center for Applied Optics, and the Department Chair of Electrical and Computer Engineering at UAH. Dr. Lindquist is a professor and active researcher, securing more than $6.5 million in research funding as the PI from NSF, NASA, the Army, and industry during the past decade. He has over thirty years of experience in research and development in both academic and industrial settings. Dr. Lindquist came to UAH in 2003 from Corning’s Sullivan Park Research and Development Center, where he was a Senior Research Scientist and the Liquid Crystal Technology Manager. At Corning, he invented, developed, and built liquid crystal components that enabled the product launch of Corning’s PurePath™ Wavelength Selective Switch and Dynamic Spectral Equalizer. He received his Ph.D. in Electrical Engineering from The Pennsylvania State University in 1992. Dr. Lindquist has over 100 publications to his credit and holds 14 patents.

Faculty and Staff

For the fall term 2018, the faculty of UAH consisted of 381 full-time members and 223 part-time members. In addition to faculty, UAH employs approximately 1,400 permanent, full-time and temporary or part-time employees. UAH is an Equal Opportunity Employer, and is functioning under an Affirmative Action Plan which has been approved by the U.S. Department of Labor. Information respecting the fall term 2019 is not available at the time of the printing of this Official Statement.

The following table shows the number of full-time tenured faculty and percentage of full-time faculty with tenure, as of the fall term of each of the years indicated:

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Number Tenured</th>
<th>Percent Tenured</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>183</td>
<td>48%</td>
</tr>
<tr>
<td>2017</td>
<td>179</td>
<td>48%</td>
</tr>
<tr>
<td>2016</td>
<td>175</td>
<td>50%</td>
</tr>
<tr>
<td>2015</td>
<td>176</td>
<td>51%</td>
</tr>
<tr>
<td>2014</td>
<td>171</td>
<td>53%</td>
</tr>
</tbody>
</table>
The following table shows the number and percentage of full-time faculty with advanced degrees as of the fall term of each of the years indicated:

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Advanced Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
</tr>
<tr>
<td>2018</td>
<td>381</td>
</tr>
<tr>
<td>2017</td>
<td>372</td>
</tr>
<tr>
<td>2016</td>
<td>349</td>
</tr>
<tr>
<td>2015</td>
<td>342</td>
</tr>
<tr>
<td>2014</td>
<td>324</td>
</tr>
</tbody>
</table>

The following table shows the number of faculty for the academic terms indicated, classified by faculty appointment:

<table>
<thead>
<tr>
<th>Faculty Appointment</th>
<th>Fall 2018</th>
<th>Fall 2017</th>
<th>Fall 2016</th>
<th>Fall 2015</th>
<th>Fall 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenure/Tenure Track</td>
<td>257</td>
<td>235</td>
<td>227</td>
<td>227</td>
<td>220</td>
</tr>
<tr>
<td>Temporary/Visiting</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Lecturers</td>
<td>62</td>
<td>69</td>
<td>60</td>
<td>51</td>
<td>39</td>
</tr>
<tr>
<td>Clinical (Nursing)</td>
<td>46</td>
<td>45</td>
<td>39</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Research</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Academic Affairs Administration</td>
<td>25</td>
<td>22</td>
<td>22</td>
<td>21</td>
<td>19</td>
</tr>
<tr>
<td><strong>Full-time Subtotal</strong></td>
<td><strong>381</strong></td>
<td><strong>372</strong></td>
<td><strong>349</strong></td>
<td><strong>342</strong></td>
<td><strong>324</strong></td>
</tr>
<tr>
<td>Part-Time</td>
<td>223</td>
<td>231</td>
<td>186</td>
<td>199</td>
<td>181</td>
</tr>
<tr>
<td>Total</td>
<td>604</td>
<td>603</td>
<td>535</td>
<td>541</td>
<td>505</td>
</tr>
</tbody>
</table>

Student Enrollment

The enrollment is displayed below on a head count basis for undergraduates and graduates.

**Summary-Fall Term Enrollments**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>7,671</td>
<td>7,090</td>
<td>6,507</td>
<td>6,013</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>2,065</td>
<td>2,011</td>
<td>1,961</td>
<td>1,853</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>9,736</td>
<td>9,101</td>
<td>8,468</td>
<td>7,866</td>
<td></td>
</tr>
<tr>
<td>Change from preceding fall</td>
<td>7.0%</td>
<td>7.5%</td>
<td>7.7%</td>
<td>7.0%</td>
<td></td>
</tr>
</tbody>
</table>

* Preliminary; subject to change.

Student Enrollment by School
(Fall Term of Year Indicated)

**Undergraduate**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Humanities and Social Sciences</td>
<td>850</td>
<td>778</td>
<td>722</td>
<td>804</td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td>1,051</td>
<td>1,002</td>
<td>1,032</td>
<td>998</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>309</td>
<td>303</td>
<td>284</td>
<td>159</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2,678</td>
<td>2,517</td>
<td>2,247</td>
<td>1,979</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>917</td>
<td>915</td>
<td>721</td>
<td>727</td>
<td></td>
</tr>
<tr>
<td>Professional and Continuing Studies</td>
<td>91</td>
<td>21</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>------------------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Arts, Humanities and Social Sciences</td>
<td>114</td>
<td>87</td>
<td>87</td>
<td>107</td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td>375</td>
<td>397</td>
<td>373</td>
<td>346</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>77</td>
<td>86</td>
<td>87</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>494</td>
<td>500</td>
<td>526</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>590</td>
<td>497</td>
<td>420</td>
<td>371</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>354</td>
<td>359</td>
<td>385</td>
<td>380</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>61</td>
<td>85</td>
<td>83</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2,065</td>
<td>2,011</td>
<td>1,961</td>
<td>1,853</td>
<td></td>
</tr>
</tbody>
</table>

* Preliminary; subject to change.

The mean ACT composite scores for full-time enrolled freshmen at UAH have been as follows for the years indicated:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28.5</td>
<td>28</td>
<td>28</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

* Preliminary; subject to change.

The following table shows acceptance and matriculation rates for the years indicated:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications</td>
<td>4,543</td>
<td>4,454</td>
<td>4,545</td>
<td>3,308</td>
<td></td>
</tr>
<tr>
<td>Acceptances</td>
<td>3,674</td>
<td>3,618</td>
<td>3,467</td>
<td>2,686</td>
<td></td>
</tr>
<tr>
<td>Matriculations</td>
<td>1,435</td>
<td>1,352</td>
<td>1,213</td>
<td>1,038</td>
<td></td>
</tr>
<tr>
<td>Acceptances/Applications</td>
<td>80.9%</td>
<td>81.2%</td>
<td>76.3%</td>
<td>81.2%</td>
<td></td>
</tr>
<tr>
<td>Matriculations/Acceptances</td>
<td>39.1%</td>
<td>37.4%</td>
<td>35.0%</td>
<td>38.6%</td>
<td></td>
</tr>
</tbody>
</table>

* Preliminary; subject to change.

**Tuition and Fees**

The following table provides information concerning tuition and fees (other than course fees) charged by UAH for full time students. These charges constitute part of the General Fees.

**Tuition and Fee History**