

Institutional Presentation
Board of Trustees
April 5, 2018



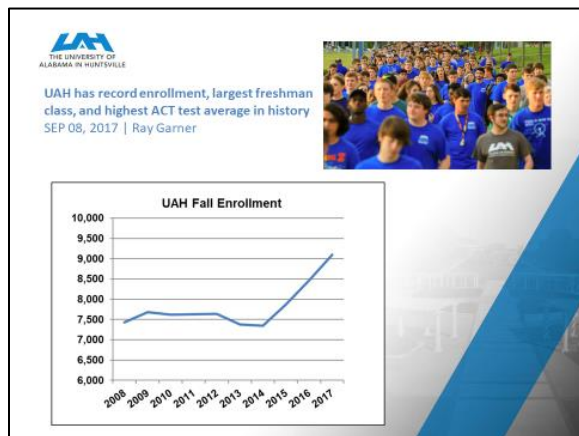
Delois Smith retired this month after being associated with UAH for 38 years. She held a number of positions of increasing responsibility throughout her tenure, from Admissions Counselor to VP for Student Affairs to VP for Diversity and Multicultural Affairs. She started the Counseling Center, Disability Support Services and the Late Night Breakfast tradition before final exams. Delois established UAH as a diversity leader in the community, most recently leading the Community Conversations on Race Relations series. I appreciated her wise counsel over the past 6 plus years. She will be missed. Delois is starting a local LLC Counseling and Consulting service, one aspect of which she tells me is a dating service. We wish her and husband Ed well.

Ray Vaughn is retiring from UAH after 5 years as Vice President for Research and more recently as Vice President for Research and Economic Development. Ray and I overlapped at Mississippi State, and Ray Hayes tells me MSU is not happy with us stealing all their good faculty and staff.

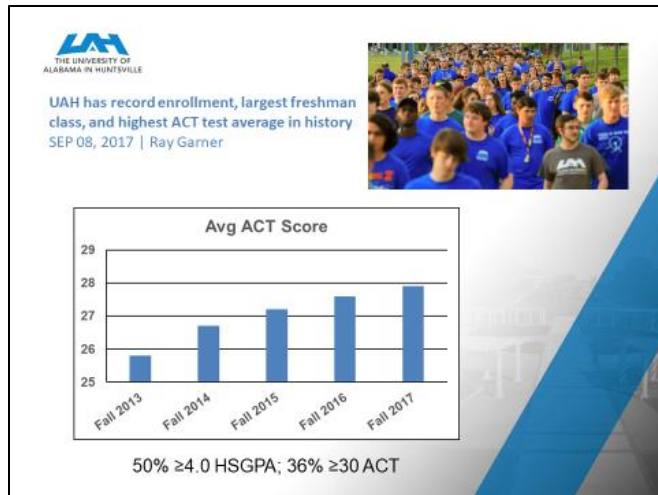
During Ray's tenure at UAH he developed and grew a robust cybersecurity program, arguably one of the best in the nation. He managed the funding sources for the \$14.5 million building of an incubator for startup companies currently under construction. He established the Office for Proposal Development, served as Principal Investigator or Co-PI on \$10 million in grants, and set the groundwork for the UAH lead of a state-wide \$20 million NSF EPSCoR award. Ray served an instrumental role in interactions with Aerojet/Rocketdyne in their relocation here from California and in securing a \$1 million gift from Aerojet to support the Aerojet/Rocketdyne Chair in Space Science. Ray will be missed. He and his wife Dianne plan to stay in the Huntsville area, and we wish them well.

Bob Lyon has been a steadying force for the University by leading the Advancement Division for more than five years, while also serving as an able liaison with the UAH Foundation and UAH Alumni Association after he joined UAH in September 2012. Under Bob's leadership, alumni donors grew substantially as did baseline giving, the number of alumni events increased in addition to the attendance, and the marketing and communications team developed a new logo, new web presence, the UAH Magazine published twice a year, and the President's Annual Report.

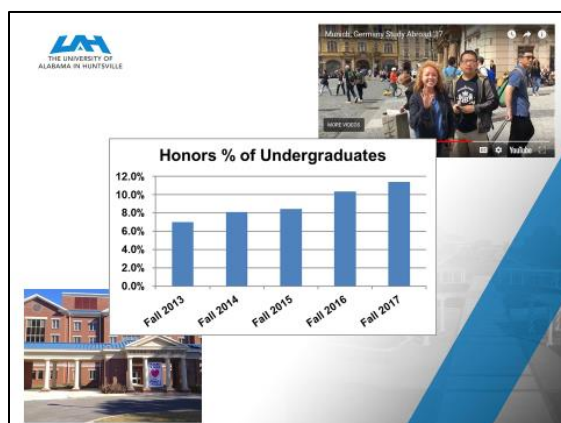
We appreciate Bob's service to UAH and wish him and his wife Gina the best. They plan to relocate to South Carolina to be near their grandchildren.



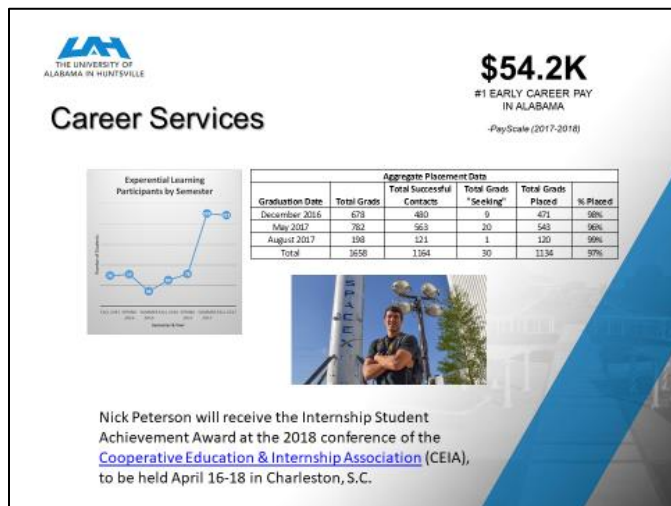
We put a plan, strategy and tactics in place around 2013 to grow the enrollment to enhance the intellectual environment, make the campus more vibrant, and increase revenues. The growth you see from the fall of 2014 to 2017 is due to not only freshman growth but retention as well.



The academic credentials of the incoming classes has been outstanding with 27.9 average ACT score last fall being the highest in the state.



One contributing factor to the enrollment growth was the establishment of the Honors College in the fall of 2014. The growth has been quite rapid, over 75% from fall 2014 to fall 2017. As a percentage of the undergraduate enrollment, the Honors College is approaching where we would like it to be, between 10 and 15%.



One of our recruiting strengths is the fact that our graduates do well in the employment marketplace. We rank #1 in early career pay of graduates in Alabama according to PayScale. The Career Services Office, under the Vice President for Student Affairs, oversees job placement for graduating students and alumni and manages the internship and cooperative education programs. Nick Peterson, a Mechanical Engineering major and a member of the Honors College, was an intern with Space X, and he will receive the national Internship Student Achievement Award at the upcoming conference of the Cooperative Education and Internship Association.



Charger Village II will open this fall. All the beds are already taken. The AOPi House will open this fall as well.

The Physical Properties Committee will recommend to the Board today that we proceed with the planning and design of renovation of and an addition to Morton Hall. You see here a rendering of the design showing as well the Greenway coming north between Morton Hall and Frank Franz Residence Hall. This would complete the Greenway from the campuses southern tip to its northern tip.



Research

FY16 Federally-Financed Research Expenditure Rankings

DoD

- #22 U. S. Air force Academy
- #23 U. of Illinois, Urbana-Champaign
- #24 Virginia Tech
- #25 UAH**
- #26 U. Pittsburgh
- #27 Woods Hole Oceanographic Inst.
- #28 UCLA

NASA

- #10 Arizona State U.
- #11 Columbia U.
- #12 San Jose State U.
- #13 UAH**
- #14 UCLA
- #15 Baylor C. of Medicine
- #16 U. of Maryland, Baltimore County

We continue to hold our place in DoD and NASA funding, along with other well-known research universities.



Research

FY16 Federally-Financed Research Expenditure Rankings

- **#5 Aeronautical/Astronautical Engineering**
- **#10 Computer and Information Sciences**
- **#11 Atmospheric Sciences**
- **#18 Business and Management**
- **#20 Astronomy**

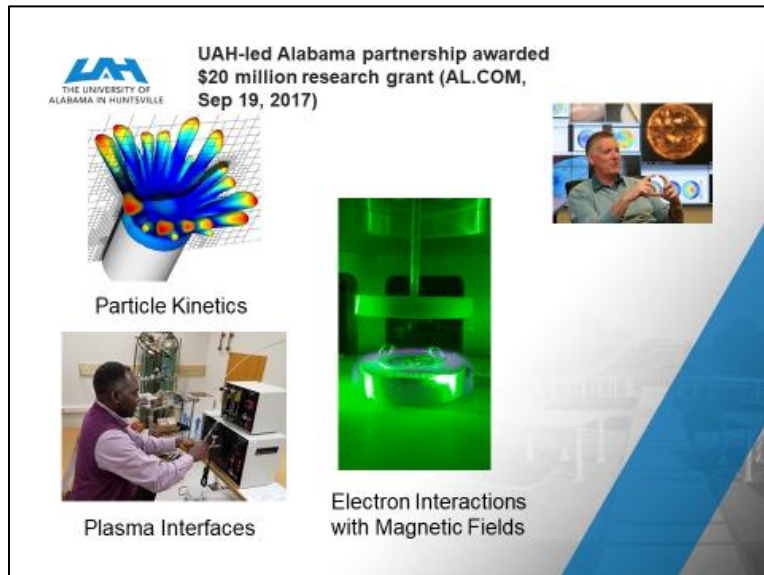
And we continue to rank in the top 20 in research areas that are traditional strengths of UAH.



The D.S. Davidson Invention to Innovation Center, an incubator for startup companies, should open around this time next year if not earlier. It is located between Wilson Hall and the Business Administration building with a sky bridge connecting it to the Business Administration Building to facilitate interaction between Business faculty and students and the entrepreneurs in the I2C.

Pictured here are the Becnel twins, who started their company in 2014 after graduating from UAH. It is appropriately named RadioBro, which invents custom, miniature electronics for aircraft and spacecraft. They will be moving into I2C when it opens. They and four other startups are currently located in Executive Plaza. We configured space in Executive Plaza, which we acquired around the 1st of September last year, to house startups in a proof-of-concept facility on a short term basis until I2C is online. In addition, there are three virtual companies associated with the facility in Executive

Plaza. All eight companies are technology based, Aerospace, consumer engineering, software development, and ecommerce.



Last fall it was announced that Alabama was awarded a \$20 million/5 yr NSF EPSCoR grant, NSF's program entitled Established Program to Stimulate Competitive Research, led by Gary Zank as a partnership of nine Alabama universities, including UA and UAB. Gary as you may know is a University of Alabama Trustee Professor and Aerojet/Rocketdyne Chair in Space Science. Alabama's proposals to this program were rejected three years in a row until Gary stepped in. The research is focused on understanding the transfer of power from electromagnetic fields to particles, surfaces, and chemical reactions.



The Department of Music in the College of Arts, Humanities and Social Sciences continues to flourish. This afternoon acclaimed pianist Awadagin Pratt will teach a master class of local students plus remote students via DCFX technology possible with the recent purchase of a Yamaha DCFX concert grand piano. On Saturday, Pratt will perform in concert in Roberts Recital Hall as the final event of this year's Constellation Concert Series showcasing world-class performers.



Jessica Eason, a graduate student in the College of Business, was awarded a prestigious Department of Defense Information Assurance Scholarship. And, a UAH team of Business students will participate in the finals of the 2018 National Cyber Analyst Challenge.



Joe Tipton from Gurley, Alabama is a freshman in the College of Business majoring in marketing. At 17 he started Tipton Edits, a company that customizes photo edits for the

nation's elite high school sports stars, especially basketball players. In the upper right Joe is seen with Shareef O'Neal and Bol Bol, sons of legendary National Basketball Association super stars Shaquille O'Neal and Manute Bol. When high school athletes are in the market to showcase their talent in the collegiate recruitment process, they contact Tipton to create a custom graphic themed message. Tipton's work has been widely viewed on his website, ESPN, *The Bleacher Report*, *FLOHOOPS*, and hundreds of other sports websites. Joe's father Lyn is a 2000 UAH graduate with a Bachelor of Science in Nursing Degree.

Education

#1 2018 Best Online Colleges for a Master's in Elementary Education (SR Education Group)

#17 2018 Most Affordable Online Colleges for a Master's in Elementary Education (SR Education Group)

Fall 2017 Pre-School for children with Autism Spectrum Disorder

Our online Master's degree in Elementary Education in the College of Education, one of our newest Colleges, ranks highly for its quality and affordability.

The Early Learning Center, an outreach center of the College of Education housed at University Place School, which we purchased from Huntsville City Schools around 2012, offers pre-school classes including inclusion classes for typical children and children with developmental disabilities through the UAH Rise School, Office of School Readiness 4-yr-old Grant Classrooms, Early Head Start and Head Start Classrooms, and, initiated this past fall, the PALS program, a Preschool Autism Language and Social Skill classroom.

Engineering

RISE Assistance Device

Adam Ehlers, Greg Davis, Chris Davidson, Matthew Depp, Doug Hays, Anthony Jones, and Joshua Minetti

Mechanical and Aerospace Engineering Department

YOUTUBE

ASME

A team of Mechanical and Aerospace Engineering students presented this little tyke, Toga Obembe, a care-dependent RISE student with cerebral palsy, with a custom-made independent mobility device that they designed. He can use it to move independently and safely around his classroom. The team's biggest challenge was to find a way to incorporate Obembe's favorite seat. They ended up using an electric-powered chassis for the seat that could be operated with foot pedals. When Rise of Huntsville moved on campus in 2013 and became a part of UAH in 2014, it was always a vision that engineering students would be involved in design projects to benefit RISE children.

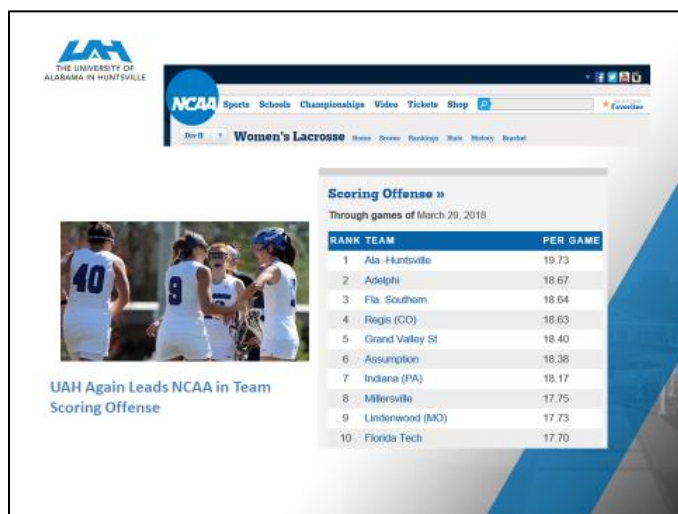


The UAH Doctor of Nursing Practice degree, or DNP, is seen nationally as a very affordable degree. Nursing's online degree programs, of which the DNP is one, are consistently highly ranked.

UAH's Let's Pretend Hospital was held this March in partnership with Huntsville Hospital. More than 2000 first grade students from 39 Madison County public and private schools travelled to UAH, where Nursing students and faculty, along with Huntsville Hospital staff, gave pretend "patients" first-hand experience at what happens when you're admitted to the hospital.



The Fermi Gamma-ray Burst Monitor team was selected by the High Energy Astrophysics Division of the American Astronomical Society as the 2018 recipient of the Rossi Prize. The **Bruno Rossi Prize** is awarded annually for a significant contribution to High Energy Astrophysics. The team was recognized for their role in the first joint detection of gravitational and electromagnetic waves from the same cosmic event – the smashup of two neutron stars in a distant galaxy. The team was led by Dr. Colleen Wilson-Hodge, a NASA astrophysicist and UAH alumna. Shown in the lower left are Rachel Hamburg, a master's student in Space Science, who developed some of the software used to analyze the signals obtained, and Dr. Peter Veres, a postdoctoral fellow at UAH's Center for Space Plasma and Aeronomic Research, who led part of the effort.



The screenshot shows the NCAA Women's Lacrosse website. On the left, there is a photo of UAH players with the caption "UAH Again Leads NCAA in Team Scoring Offense". On the right, a table titled "Scoring Offense »" shows the top 10 teams through games of March 29, 2018.

RANK	TEAM	PER GAME
1	Ala-Huntsville	19.73
2	Adelphi	18.67
3	Fla. Southern	18.64
4	Regis (CO)	18.63
5	Grand Valley St.	18.40
6	Assumption	18.38
7	Indiana (PA)	18.17
8	Millersville	17.75
9	Lindenwood (MO)	17.73
10	Florida Tech	17.70

Women's Lacrosse is in its third season at UAH. In its first two seasons, Coach Gail Wallach's team was the Division II national scoring champion. As of March 29, the team is again atop the scoring offense rankings. Players come from 13 different states and include team members from Madison, Auburn and Mountain Brook, Alabama.



We, in the administration, have worked closely with the Student Government Association, the Staff Senate, and the Faculty Senate on handbook revisions and policy development and revisions in a number of areas including establishing a promotion ladder for non-tenure track Lecturers, establishing a withdrawal policy for students called to active military duty and their dependents, a revision of the patent policy and income distribution resulting from the commercialization of intellectual property, and an excused absence proposal for students who are veterans or members of the armed forces who participate in Veterans Day activities.

What we have accomplished, some about which you have heard today, is made possible through hardworking, dedicated faculty, administrators and staff, an enthusiastic student body, and the extraordinary support we have received and continue to receive from the Board of Trustees. To the Board and everyone moving this institution forward, let me close with a well-deserved thank you.