

College of Engineering News Briefs

SPRING 2017



MESSAGE FROM THE DEAN

Dr. S. Keith Hargrove

I bring you greetings from the faculty, staff, and students of the College of Engineering. Over the last six years, the college has numerous achievements and challenges. We have been able to increase our enrollment to more than 1000 students, attract more research funding in strategic areas such as cyber-security, materials, transportation, and energy systems, and enhance each department with resources. With an ABET accredited curriculum more aligned with the Fundamentals of Engineering (FE) Examination, our efforts has resulted in better performance by our seniors. We will continue to advance our retention initiatives, and appeal to our alums and supporters to become more engaged with the college as we strive to provide more scholarships, fund a new building, and produce more talented graduates in engineering, technology, and computer science for the workforce and entrepreneurship.



L to R: Kevin Nguyen and Abram Musinguzi assess bridges in Nashville area.

TSU STUDENTS ASSESS NASHVILLE BRIDGES

A team of six graduate and undergraduate students, along with their professors from the Departments of Civil and Architectural Engineering are conducting a study on five bridges around the Nashville Fairgrounds to assess their structural integrity.

As part of the fairgrounds improvement project, the students' findings will be submitted to the city's structural engineers and will be used to determine future use of the bridges.

Fairgrounds field engineer Jonathan Schneider is overseeing the TSU engineering team's work. Schneider said, "The students are providing us with a

preliminary structural assessment of these bridges to be approved by our structural engineer. Their performance is remarkable. We are looking forward to receiving their report."

Students on the project are Kevin Nguyen (graduate civil engineering), Abram Musinguzi (graduate systems engineering), SiVon Jiles (undergraduate civil engineering), Mathew Miller (undergraduate architectural engineering), Dwight Pullen (undergraduate architectural engineering), and Darren Evans (undergraduate civil engineering). *Excerpt from TSU Newsroom (11/21/16) by E. Freeman.*

News Briefs

Alumnus Recognized at BEYA Conference



Troy Lambert

Alumnus Troy Lambert was recognized as a Modern Day Technology Award Recipient during the 2017 Black Engineer of the Year Awards (BEYA) Conference in Washington, D.C.

Alumna Speaks at Awards Luncheon



Johanna Outlaw

Newly elected TSU Engineering Alumni Association President Johanna Outlaw is scheduled to speak at the Engineering Awards & Recognitions Luncheon on April 7. Johanna is a 1998 electrical engineering graduate and currently resides in Raleigh, NC.

Students Attend BEYA and NSBE

This year, the College of Engineering sponsored 38 students to attend the Black Engineer of the Year Awards (BEYA) Conference in Washington, D.C. and 27 students to attend the National Society of Black Engineers (NSBE) Conference in Kansas City, MO. Many students returned with internship offers with such companies as Northrop Grumman, GE, and Lockheed Martin.

Sekmen Appointed to University Board of Trustees

The College of Engineering congratulates Dr. Ali Sekmen on being selected to serve on the TSU University Board of Trustees. Dr. Sekmen is Department Chair and

Professor of Computer Science. The Board will hold its first meeting on April 13.

TSU Hosts Middle School & High School Competitions

The College of Engineering hosted both the Science Olympiad (March) and STEM Expo (April) and welcomed over 400 middle school and high school students to the TSU Campus. These events are a success because of the faculty, staff and student participation. A special thanks to Dr. Catherine Armwood for leading the Science Olympiad initiative. According to Dean S. Keith Hargrove, the College of Engineering plans to hold similar events in the future.



TSU Board of Trustees are pictured with Dr. Glenda Baskin Glover. Dr. Ali Sekmen is standing third from the right. Photograph is courtesy of the Tennessee State University Newsroom.



Dr. Catherine Armwood, Assistant Professor of Architectural Engineering.

News Briefs

Bryant Wins Graduate Thesis Award



Pictured L to R: Dr. Frances Williams, (Associate Dean) Kyra Bryant, and Dr. Muhammad Akbar (Assistant Professor, Mechanical Engineering).

The Tennessee Conference of Graduate Schools has awarded the Graduate Student Master's Thesis Award to Tennessee State University student, Kyra Bryant.

Bryant recently completed a Master of Civil and Environmental Engineering and is currently pursuing a doctorate in Computer Information Systems Engineering at TSU.

Among member institution graduate students from across the state of Tennessee, Bryant received the award on Feb. 8 for her research on hurricanes and storm surge search models with the

purpose of making prediction more accurate. The title of her thesis was "The Rise and Fall of the Drag Coefficient in Wind Stress Calculations for Hurricane Wind Speeds with a Case Study." It was published last fall (2016) in the *Journal of Marine Science Engineering*.

Dr. Muhammad K. Akbar, assistant professor in the Mechanical and Manufacturing Engineering Department, served as Bryant's faculty advisor.

Excerpt from TSU Newsroom 2/21/17 by K. Dawn Rutledge.

In Memory of Dr. Edward Isibor (1938 - 2016)



Dr. Edward Isibor

Dr. Edward I. Isibor, age 78, passed away on Friday, December 9, 2016. Dr. Isibor was born on June 9, 1938, in Nigeria, to Joseph and Obeobadiaru Isibor. Dr. Isibor received his B.S. from Howard University, M.S. from M.I.T. and PhD from Purdue University. He taught as a Professor of Engineering at Cleveland State University and Florida International University for years. He served as Dean of Engineering at TSU and professor (1975–1987)

before his retirement. He was a philanthropist and an active civil servant.

Dr. Isibor is survived by his daughter, Emwanta and husband, Joe Wood; son, Eki Isibor; mother of his children, Edwina Smith; four grandchildren, Imani Cruz, Gabby Cruz, Christian Cole, and Jossie Wood; one great grandchild, Greyson Cole.

Excerpt from obituary published in the Tennessean on 12/14/2016.

Gov. Haslam taps Dean Hargrove for State Board

Dean S. Keith Hargrove was recently appointed to the Tennessee Board of Boiler Rules by Governor Bill Haslam.

New AIT Department Chair

Dr. Ivan Mosley joined the College of Engineering in September 2016, as Department Chair of the Aeronautical and Industrial Technology Department. In addition, Mosley is a member of the Association of Technology, Management and Applied Engineering (ATMAE).

Engineering Students Place in Scholarship Pageant

Architectural engineering student Dwight Pullen was named Mr. Ivy during a Scholarship Pageant on November



Dr. Ivan Mosley, Department Chair of Aeronautical and Industrial Technology.

14, 2016. Mechanical engineering student Maleik Butler placed second. The pageant took place on the TSU campus and was hosted by the Alpha Psi Chapter of Alpha Kappa Alpha Sorority, Inc.

ITE Students invited to Competition

TSU Chapter of Institute of Transportation Engineers were invited to compete in the 2016 Traffic Bowl held hosted by Vanderbilt University.

CS Students Place in Hackathon

Computer science students Ding Wang, Hui Chen, and Kase Cosgrove (pictured below) placed first during the FishHack II Hackathon hosted by Fisk University on October 26, 2016.



ECE Professor Visits Elementary School

In December, Dr. Charles McCurry, assistant professor of electrical and computer engineering, visited a class at Robert E. Lillard Elementary to discuss engineering and to demonstrate how engineers use robots. Dr. McCurry pictured below.



Dr. Charles McCurry, Assistant Professor of Electrical and Computer Engineering.



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