

THE FOCUS

A Newsletter from the University of Tennessee College of Engineering Office of Engineering Diversity

Spring 2012

THE UNIVERSITY of TENNESSEE 
KNOXVILLE
COLLEGE OF ENGINEERING



*UT Engineering Student
Shaunte Hunter*

In this issue:

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- First African American Female Ph.D. Graduate in Nuclear Engineering at UT
- TLSAMP Movers & Shakers

A Message from the EDP Director



Greetings!

We have had an exciting, busy year and you'll see just a preview of all the great things happening within this issue. I would like to thank the students, faculty, staff, and administration who voluntarily participated within efforts of this annual publication. *The FOCUS* newsletter includes many notable highlights such as the College of Engineering (COE) Summer Pre-College Programs. The High School Introduction to Engineering Systems

(HITES) program was founded in 2001 and has provided an experience to 177 high school student juniors and seniors. Based on the HITES 2010 program, 86% of the participants have been accepted to a four-year university majoring in a science, technology, engineering, and mathematics (STEM) discipline. Based on the Bechtel HITES 2011 program, 86% of the seniors are planning to major in engineering with 77% planning to attend the University of Tennessee, Knoxville, in Fall 2012. Due to the success of these programs, the COE will expand 2012 Summer Pre-College Programs by 40%, providing experiences for up to 160 middle and high school participants.

As we continue to expand over the years, there has been an urgency to grow in staff to provide additional support for pre-college and undergraduate student development. We are pleased to welcome Zaragosa "Mito" Espinoza as coordinator and Dawn Hall as administrative specialist within the Office of Engineering Diversity Programs (EDP). Both bring passion to further and accomplish the goals of the COE. As we embark on the new school year, we are excited to celebrate the tenth anniversary of the Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP), a National Science Foundation funded program designed to increase the enrollment and graduation rates of underrepresented ethnic minorities in STEM. We cordially invite all to join us for a Showcase Celebration on November 2, 2012, to honor the past and discuss the future. In closing, we would like to thank our alumni and corporate supporters, whose generous support provides our university with enrichment and scholarships. Thank you all for your efforts, and if you are in the area, please stop by and visit us in 110 Estabrook Hall.

Go Vols!

Travis Griffin, Director
Engineering Diversity Programs

New Staff Members on Board with Engineering Diversity Programs

Engineering Diversity Programs welcomed Zaragosa "Mito" Espinoza as coordinator and Dawn Hall as administrative specialist in January of 2012.

Espinoza took on his current role after being an academic advisor in the UT College of Business Administration. He came to UT from Waco, Texas, where he worked at Baylor University. With a BA from Texas A&M and an MS from Baylor, Espinoza is currently working towards a Higher Education Administration Ph.D. here at UT. He plans to study the motivations of Latino males who are the first in their family to pursue higher education.

"As a Latino, first-generation college student at a predominately white institution, I struggled with the transition to college life and was supported by organizations and programs that sought to increase diversity and enhance the experience for underrepresented populations," said Espinoza. "I chose to get involved with student affairs to give back and help other students that may also be struggling with the transition to college life."

The aspect of EDP that Espinoza enjoys most is interacting with students. Their stories, and what he calls their "amazing feats of dedication, diligence, determination, and talent," impress him every day.

Hall worked in the Knox County General Sessions Court for seventeen years before coming to UT. She joined the EDP full-time in January. She studied business at Tennessee Wesleyan College in Athens, Tenn., and at Pellissippi State Community College in Knoxville.

Like Espinoza, Hall enjoys the interaction with students that comes with working in the diversity office.

"I love the events that we host to help under-represented students carve a future for themselves," said Hall. "This is an amazing office to represent and I am thankful for the opportunity to learn new things each day. I want to see our students take advantage of what our office has to offer."



Zaragosa "Mito" Espinoza



Dawn Hall

UT Engineering Student Shaunte Hunter Receives Women of Color Award

KNOXVILLE — Shaunte Hunter, a junior in mechanical engineering at the University of Tennessee, Knoxville, has been selected as a student recipient for the Women of Color in Science, Technology, Engineering, and Mathematics (STEM) Community Award.

This award recognized Hunter, from Chattanooga, for her great work in and out of the classroom and was presented to her at the Women of Color STEM Conference in Dallas on Nov. 4, 2011.

The Women of Color conference showcases women in STEM professions from across the nation awarded for achievements. Workshops and networking opportunities are a major feature of the conference, helping to motivate minority women to achieve in male-dominated fields.

Hunter was nominated for this award by Eric Stokes and Travis Griffin, both UT staff who have noticed her impact on the engineering community, specifically through her involvement with Minority Enhancement for UT (ME4UT), talking with high school juniors and seniors about STEM majors and working to encourage and recruit potential students.

"Shaunte is an ideal student who balances social involvement, service to her school and community, and, of course, academics. Persevering through the challenging major of engineering is extremely difficult. To do it as a 'double minority'—being African American and female—makes the achievement even more special," said Stokes.

Griffin said he nominated Hunter for her outstanding involvement in ME4UT, her commitment as an engineering student and the extra effort she puts forth reaching out to students, including bringing a group of high school students to visit UT's engineering program and helping identify promising students.

Both men see her as a very valuable asset to the College of Engineering and UT.

In reference to the coursework of STEM majors, Hunter said, "It's not hard, just a challenge. You have to fight through it." She enjoys using her experiences and knowledge to encourage other students.

Hunter found out she won the award earlier this year. "It has not set in yet. I was shocked. It's a really good feeling," she said.

She was excited about attending the conference and enjoyed networking with other engineering professionals.

"It is always good to see women achieve big. It's hard to keep pushing in school, but seeing others' successes makes you feel like you can achieve, as well," Hunter said. "Motivation is big for me. This award helps me feel secure about the career path I have chosen."

The College of Engineering sponsored a group of students who attended the conference with funding through the Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) program, another



Shaunte Hunter

organization encouraging minorities to participate in STEM majors.

For more information about Women of Color, visit: <http://www.womenofcolor.net/>.

First African-American Female Ph.D. graduate in Nuclear Engineering at UT

Jamie Anderson is the first female African-American student to graduate from the University of Tennessee with a Ph.D. in nuclear engineering. The Knoxville native earned her BS in 2008; her MS in 2009; and accepted her doctorate at the spring 2012 graduate hooding ceremony.

Anderson's studies are within the radiological engineering concentration. Her research interests include measurements and modeling of the effectiveness of shielding materials for use in space environments; Monte Carlo space radiation transport and shielding codes; and methods for estimating environmental levels of radioactivity.

"Dr. Anderson is very bright, personable, focused, hard-working, and a pleasure to work with," said Dr. Lawrence Townsend, who was Anderson's thesis advisor and worked closely with her throughout her studies. "Her career goal is to become a university faculty member. There is absolutely no doubt in my mind that she will succeed in doing so, and will be extremely successful in that role."

In her work as a graduate research assistant, Anderson helped develop improved HETC-HEDS estimates of detector response for the Cosmic Ray Telescope for the Effects of Radiation (CRaTER) instrument on the Lunar Reconnaissance Orbiter (LRO) spacecraft; analyzed actual CRaTER data from NASA's LRO mission; and computed LET and dose response for CRaTER using the HZETRN and HETC-HEDS transport codes.

Anderson also spent summer 2008 as a Reactor Engineering Summer Intern at the Tennessee Valley Authority Watts Bar Nuclear Plant in Spring City, Tenn.

In addition to her field experience and coursework, Anderson has been honored with several awards in her academic career, including the Hall of Fame Award at the 2012 Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Banquet. She has presented numerous papers and co-authored journal articles on her CRaTER research and on estimating radiation exposures of a solar-particle event on Mars.

"She also recognizes and accepts that she is a role model for female nuclear-engineering students in general, and African-American ones in particular," said Townsend.

Anderson will continue her research with CRaTER on a post-doctorate basis at UT with Dr. Townsend via funding by the University of New Hampshire. She plans on seeking a professorship follow her post-doctorate work.



Jamie Anderson

2013 The 40th Anniversary Celebration of Engineering Diversity Coming Soon 2013

Bechtel HITES Program a Success!



The College of Engineering (COE) hosted its annual High School Introduction to Engineering Systems (HITES) program on July 24-29, 2011, at the University of Tennessee, Knoxville. The program, which is sponsored by Bechtel Corporation, provides hands-on learning experiences designed to motivate students who have the interest and aptitude to consider careers in engineering.

The rising eleventh and twelfth graders participated in an introduction of engineering fundamentals, application of math and science classes, engineering

departmental visits, and were able to collaborate on team projects. The program allows students to learn about careers in engineering, explore the UT campus, tour engineering labs and facilities, compete in engineering challenges, and have the opportunity to jump-start their academic careers.

Travis Griffin, Director of Engineering Diversity Programs, is excited about the outcome of this year's Bechtel HITES program.

"I am so pleased with this year's Bechtel HITES 2011 class," Griffin said. "The students were very engaged, displayed great interest in the engineering program at UT, and gave outstanding performances within their engineering group projects. Because of the generous support from Bechtel Corporation, we were able to expand our staff by two counselors, hire a math faculty member, and expand our invitation from twenty-four participants to thirty-two participants."

The week of engineering activities concluded with the Bechtel HITES Awards Reception, which was moderated by Alexandria Butler, a senior in biomedical engineering. Bechtel's Senior Vice President, John Howanitz, who is also a member of the COE Board of Advisors, welcomed attendees and stated that Bechtel is very proud to be associated with UT. Thomas Moczadio also attended the

event as a Bechtel representative. Dr. Wayne Davis, dean of the COE, gave the opening remarks, which was followed by an overview of the program from Griffin. A highlight video from the week's events was then shown to attendees.

Butler then announced the Marshmallow Catapult Competition award recipients as well as participant award recipients. Griffin followed up with presentation of counselor and program staff awards. Participants from the program then expressed their interest in the week's programs to the event attendees.

"This week really made me like math," a student from Farragut said. "I really felt close to everyone here, and it made me focus on what I want to do in college."

Another student from Soddy-Daisy said, "I learned about all the different types of engineering. I had a blast! Thanks to Bechtel and UT for allowing us to come out here."

Dr. Richard Bennett, Director of the Engineering Fundamentals Division, then presented the Engineering Project Awards, which was followed by a project presentation from the winning group.

Most Outstanding Engineering Project
Brandon Hambrick, Amber Nixon and Torre Ford

Dr. Masood Parang, Associate Dean for Academic and Student Affairs, concluded the event.

COE and Lockheed Martin Sponsor Engineers Day West Tennessee Initiative



Students from East High School competing in ASCE Bridge Competition

The College of Engineering (COE) at the University of Tennessee, Knoxville, hosted a recruitment initiative for West Tennessee during the 2011 Engineers Day. Engineers Day has been a UT College of Engineering tradition for nearly 100 years. Each October, engineering classes are dismissed for one day to allow university students and faculty to spend time interacting with hundreds of potential engineering students (high school juniors and seniors) from high schools

across the state. This year, more than one thousand students from different high schools and several home schools traveled to UT's Knoxville campus to explore and learn about the various aspects of engineering through discussions, project demonstrations, and exhibits prepared by UT engineering student clubs and societies. Mr. Ralph D. Heath, Executive Vice President-Aeronautics for Lockheed Martin Corporation was keynote speaker for the event.

Lockheed Martin sponsored the West Tennessee initiative. The event provided an opportunity for high juniors and seniors to visit the university campus to engage in high school competition, network with engineering undergraduate students, and explore engineering career options with over twenty campus organizations participating in the festivities. Students participated in competitions that included the Quiz Bowl, Balsa Wood Bridge, Egg Drop, and Food Battery. The initiative was composed of seventy-seven students and thirteen chaperones from eight high schools (George Washington Carver High School, East High School, Central High School, Millington Central

High School, Memphis Academy of Science & Engineering, Westwood High School, City University School for Liberal Arts, and Hollis F. Price Middle College).

Participants arrived on Wednesday, Oct. 26, by bus transportation and were housed in Knoxville. Current engineering undergraduates greeted participants for dinner and networking at the University Center Down Under. On Thursday, Oct. 27, participants were hosted for breakfast and special presentations including undergraduate admission and COE academic preparation. The day continued with Engineers Day activities and a Campus Highlight Tour provided by undergraduate admissions. At the end of the day, awards were presented.



TLSAMP Scholars networking and sharing UTK experiences



A'Ricka Mitchell networking with former classmates from East High School



UT Hosts Second Annual TLSAMP Awards Banquet

The University of Tennessee, Knoxville, hosted its Second Annual Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Awards Banquet on Monday, April 16, 2012, at the Foundry. Mito Espinoza, new coordinator of the Engineering Diversity Programs (EDP), moderated the event. The goal of the TLSAMP program is to increase the enrollment and graduation rate of underrepresented ethnic minority students (Hispanic, African-American, American-Indian, Alaskan Native and Pacific Islander) in science, technology, engineering and mathematics (STEM) by at least 100 percent at the end of the five-year period.

Dr. Carolyn Hodges, Vice Provost and Dean for the Graduate School, and Dr. Masood Parang, Associate Dean for Academic & Student Affairs, welcomed guests. Students, faculty, administrators, and guests were recognized for their exceptional involvement in the TLSAMP program. Dr. Calvin Mackie, an award winning mentor, a former engineering professor, an internationally renowned motivational speaker, and a successful entrepreneur, was the evening's guest speaker. Mackie is the Founder, President, and CEO of Channel ZerO Group LLC (CZG), an educational and motivational consulting company and has presented to numerous civic and educational institutions and Fortune 500 corporations. Mackie's speech was titled, "Free Willie: Identifying and Unleashing Your Innate Abilities."

The program included recognition of faculty and students receiving special honors from TLSAMP, the Society of Hispanic

Professional Engineers (SHPE) and the National Society of Black Engineers (NSBE). The ceremony also featured a slideshow during dinner of TLSAMP, SHPE, and NSBE activities that took place throughout the school year. Before the conclusion of the banquet, Mr. James Pippin, former director of EDP, provided special remarks, "History is in the Making." Dr. Jamie Anderson was presented the TLSAMP Hall of Fame Award recognizing her as the first female African-American Ph.D. graduate within Nuclear Engineering at UT. Travis Griffin, director of EDP, made closing remarks.

Awards presented at the banquet included:

SHPE Awards

SHPE Honored Alumni Award
Alexander Lang, Nuclear Engineering

SHPE Member of the Year

Diana Shelby, Mechanical Engineering

NSBE Awards

NSBE Freshman of the Year
Johnson Luma, Civil Engineering

The Golden Torch Award

Tia Tabors, Chemical & Biomolecular Engineering

TLSAMP Graduating Seniors Awards

Levon Brassfield, Electrical Engineering
Alexandria Butler, Biomedical Engineering
Rafael Byron, Nuclear Engineering
Luis Castellanos, Nuclear Engineering
Rosesharon Charm, Industrial Engineering
Janelle Dunn, Industrial Engineering

Sean Elliott, Civil Engineering
Aeron Glover, Industrial Engineering
Jerrika Hall, Chemical & Biomolecular Engineering
Alan Hancock, Computer Engineering
Gary Hathaway, Mechanical Engineering
Anderson Jackson, Industrial Engineering
Honest Mrema, Aerospace Engineering
Josiah Oduor, Material Science & Engineering
Adria O'Neal, Electrical Engineering
Tia Tabors, Chemical & Biomolecular Engineering
Olivia Thompson, Biological Sciences
Andrea Williams, Industrial Engineering

TLSAMP Faculty of the Year Award

Malissa Peery, Mathematics

TLSAMP Outstanding Volunteer Service Award

Ebony Lemons, Civil & Environmental Engineering

TLSAMP Outstanding Research Award

Marquinta King, Biological Sciences

TLSAMP Freshman of the Year Award

Diamond Wallace, Biomedical Engineering

TLSAMP Scholar of the Year Award

Aeron Glover, Industrial Engineering

TLSAMP Hall of Fame Award

Dr. Jamie Anderson, Nuclear Engineering



Scott McCullough, Alexander Lang, Diana Shelby (SHPE Honored Alumni Award)



Tia Tabors and Tiffany Sithiphone (NSBE Golden Torch Award)



Diamond Wallace, Marquinta King, Dr. Masood Parang (TLSAMP Outstanding)



Dr. Masood Parang, Dr. Calvin Mackie, MacKinzie Washington (Presenter)



Scott McCullough, Diana Shelby, Alexander Lang (SHPE Member of the Year)



Ashley Lipford, Malissa Peery, Dr. Masood Parang (TLSAMP Faculty of the Year Award)



Travis Griffin, Diamond Wallace, Dr. Masood Parang (TLSAMP Freshman of the Year Award)



Dr. Masood Parang, James Pippin, Dr. Jamie Anderson, Paula Anderson, Dr. Calvin Mackie, Kevin Perry, Travis Griffin



Tiffany Sithiphone and Johnson Luma (NSBE Freshman of the Year)



Andre Shibata, Ebony Lemons, Dr. Masood Parang (TLSAMP Outstanding Volunteer Service Award)



Dr. Masood Parang and Aeron Glover (TLSAMP Scholar of the Year Award)



Graduating Seniors

Emerging Technologies in STEM by Darryl Bell, TLSAMP Scholar

Home to many popular television programs today, Turner Broadcasting System, better known as TBS, is a leading powerhouse in cable television. Owned by Time Warner, TBS is host to several popular networks such as CNN, Cartoon Network, and TruTV. TBS brings in about eight billion dollars yearly revenue and employs over twenty five hundred technologists to keep things running smoothly. This past September, the University of Tennessee's TLSAMP program had the pleasure of hosting Hayes Fountain to speak about emerging technologies within science, technology, engineering, and mathematics (STEM) disciplines.

Fountain is the first and current Vice President of Strategic Technology Outreach at TBS. In his presentation, Fountain discussed the importance of STEM majors at high-powered companies such as TBS and the effect of emerging technologies on the company. To strengthen his claim, he broke down the annual revenues of TBS as a combination of subscriptions, advertising, and emerging technologies.

Fountain discussed emerging technologies as a new way to engage the audience in the entertainment business. Engagement, the most important concept in entertainment, is how often and how long an audience views entertainment, and how attentive an audience is in its viewing. He presented a question that targeted the three main challenges in audience engagement: "How is the audience going to find us, like us, and come back?"

In order to meet these challenges, he described a couple of jobs where STEM majors are needed, one of these being an Audience and Multiplatform Technologist. These technologists use mathematical and statistical technologies to solve business problems.

Fountain also touched on some of the innovative technologies his team has recently developed, such as the "Boss Button" on the NCAA college



Shanel Crawford-Harris (left) with Hayes Fountain, Vice President of Strategic Technology Outreach at Turner Broadcasting System, and Amber Ingram (right)

basketball website. This button allows those fans that are unable to get to a TV to swiftly minimize and disguise any March Madness games they are watching online during the workday.

Fountain allowed students at the presentation to get a different view on jobs for STEM majors. He offered insight into the entertainment industry and the type of innovative thinking that companies seek. At the end of Fountain's presentation, he challenged the audience to be innovative thinkers.

Applying to Competitive Graduate Schools by Alexandria Butler, TLSAMP Scholar



Donald Asher talks to TLSAMP members about the benefits of graduate school

When presenting to the members of TLSAMP in the fall, Don Asher caught everyone's attention by starting with one word: "Money."

Asher, a guru on how to encourage and mentor students seeking to maximize their potential careers, talked about the benefits of graduate school. Besides the obvious benefit of being more advanced in your field of study, Asher pointed out that by continuing your studies in postgraduate education you gain the opportunity to see the world in a more complex and fascinating way. By earning a master's degree, you automatically qualify to make approximately \$40,000 dollars more than your peers who did not pursue an advance degree. Asher supplied another jaw dropping moment when he told the audience that someone can make up to \$1.6 million dollars in some fields by earning a Ph.D.

After gaining the attention of the audience, Asher discussed how to become "marketable" when applying to graduate schools. He suggested always applying to your alma mater, but looking nationally as well by using reliable graduate school finders like Petersons.com and Phds.org. While letters of recommendation, grades, GRE scores, and an essay are important, Asher suggested that you not let factors like grades and scores discourage you from applying to a school. He suggested you can make yourself more appealing by contacting faculty you would like to work with directly in advance about your interest in their research. This helps develop a relationship before they are bombarded with applications.

Asher also gave other tips on how to make your application more appealing to those making admissions decisions. One of those tips was to isolate any courses or semesters that severely impacted your GPA. If you can identify problem areas, he suggested that you use the essay portion of your application to discuss your GPA after removing the troubled area and describe any mitigating circumstances. Asher also instructed the audience to use the essay as a space to express your strengths and appealing qualities that might set you apart from other candidates.

By the end of his lecture, all the TLSAMP students were full of anticipation and interest on how to gain more knowledge on graduate schools, standardized tests, and assistantships. His expertise and insight definitely shined a light on the importance of graduate school.



Donald Asher presented with a welcome gift from Marquinta King

Adeleye Ademola, Industrial Engineering sophomore, received a spring 2012 cooperative education experience with Johnson & Johnson within Supply Chain Global Transportation located in Skillman, N.J.

Levon Brassfield, Electrical Engineering senior, received a summer 2012 internship with National Instruments as Applications Engineer Intern located in Austin, Tex.

Shanel Crawford-Harris, Electrical Engineering senior, received a spring 2012 cooperative education experience at Kimberly-Clark Corporation located in Roswell, Ga. Crawford-Harris was recognized as Fellows Scholar by the National Society of Black Engineers at the Thirty-eighth Annual National Convention held in Pittsburgh, Pa., on March 28-April 1, 2012. She also received a summer 2012 internship experience at DuPont as Reliability & Equipment Engineer Intern located in Spruance, Va.

Xavian Daniel, Industrial Engineering sophomore, received a spring 2012 cooperative education experience at Shaw Industries located in Dalton, Ga.

Michael Dumessa, Mechanical Engineering sophomore, received a summer 2012 cooperative education experience with BSH Home Appliances Corporation as Design Team Analyst Intern located in Jacksboro, Tenn.

Janelle Dunn, Industrial Engineering senior, received a summer 2012 cooperative education experience with BSH Home Appliances Corporation in Knoxville, Tenn. as a manufacturing engineer.

James Ensley, Civil & Environmental Engineering (CIVE) senior, was accepted and is currently pursuing a CIVE master's degree at the University of Tennessee, Knoxville.

Aeron Glover, Industrial Engineering senior was honored as a Torchbearer, the highest honor the University of Tennessee, Knoxville gives to its students. Glover was recognized as a Board of Corporate Affiliates (BCA) and Fulfilling the Legacy Scholar by the National Society of Black Engineers at the 38th Annual National Convention held in Pittsburgh, Pa. on March 28, 2012-April 1, 2012. Glover also received a summer 2012 internship with Google as Rich Media QA Analyst located in San Francisco, Calif.

Jerrika Hall, Chemical & Biomolecular Engineering senior, received a full-time job offer as a Process Automation Engineer with

Dow Chemical Company located in Freeport, Tex.

Gary Hathaway, Mechanical Engineering senior received a full-time job offer as Facilities Area Manager with Amazon.com, Inc. located in Nashville, Tenn.

Kevin Huerto, Mechanical Engineering sophomore, received a summer 2012 undergraduate research experience with TN-SCORE REU Program in the research area "Components and Devices for Energy Storage and Conversion" located in Knoxville, Tenn.

T. Shaunte Hunter, Mechanical Engineering junior, received a spring 2012 cooperative education experience with Southern Company in Atlanta, Ga.

Amber Ingram, Industrial Engineering senior, received a spring 2012 cooperative education experience at Unilever as Customer Service Analyst located in Trumbull, Conn. Ingram received a summer 2012 internship experience at Eastman Chemical Company as Global Supply Chain Intern located in Kingsport, Tenn.

Anderson Jackson, Industrial Engineering senior, received a full-time job offer as Quality Engineer with Key Safety Systems Inc. in Knoxville, Tenn.

Darius James, Electrical Engineering & Computer Science senior, received a summer 2012 internship with Nissan as Maintenance Reliability Intern located in Smyrna, Tenn.

Marcus Jeter, Mechanical Engineering senior, received a fall 2011 leadership development experience with Eastman Chemical Company located in Knoxville, Tenn. Jeter received a spring 2012 cooperative education experience at DuPont as Mechanical Integrity and Quality Assurance (MIQA) Engineer Co-op located in New Orleans, La.

Sophia Jones, Industrial Engineering sophomore, received a summer 2012 internship with Time Warner Cable as Process Improvement and Special Projects for Enterprise Care Intern located in Charlotte, N.C.

Marquinta King, Biochemistry & Cellular and Molecular Biology junior, placed second at the Ninth Annual TLSAMP Research Conference Poster Competition located in Murfreesboro, Tenn., on Feb. 3-4, 2012.

Ebony Lemons, Civil & Environmental Engineering junior, placed first within the professional paper competition at the 2012 Southeast American Society of Civil Engineering

(ASCE) Regional Conference in Tallahassee, Fla., on March 22-24, 2012. Lemons received a summer 2012 undergraduate research experience at Purdue University in the research area "Re-Designing Urban Infrastructure Networks and Components" located in West Lafayette, Ind.

Stephanie Long, Nuclear Engineering senior, received a summer 2012 internship with Southern Nuclear as Environmental Affairs/Health Physics Intern located in Birmingham, Ala.

Johnson Luma, Civil & Environmental Engineering freshmen, was recognized as a Board of Corporate Affiliates (BCA) Scholar by the National Society of Black Engineers at the Thirty-eighth Annual National Convention held in Pittsburgh, Pa., on March 28-April 1, 2012.

Michael Massey, Mechanical Engineering sophomore, was recognized as an Academic Improvement Scholar by the National Society of Black Engineers at the Thirty-eighth Annual National Convention held in Pittsburgh, Pa., on March 28-April 1, 2012.

Genesis Minter, Chemical & Biomolecular Engineering sophomore, received a summer 2012 undergraduate research experience with the Department of Chemical & Biomolecular Engineering in the research area "Nanoparticle Synthesis/Environmentally-Friendly Nanoparticle Biosynthesis" at the University of Tennessee, Knoxville.

Honest Mrema, Aerospace Engineering senior, was accepted and will pursue a master's degree in Mechanical Engineering at the North Carolina A&T State University starting Fall 2012.

Josiah Oduor, Material Science & Engineering senior, received a summer 2012 internship with Alcoa Howmet as Process Engineer Intern located in Morristown, Tenn.

Adria O'Neal, Electrical Engineering senior, received a fall 2011 and spring 2012 undergraduate research experience with the Department of Electrical Engineering & Computer Science at the University of Tennessee, Knoxville.

Desiree Seay, Mathematics senior, received a Vols-Teach experience in the research area "Entomology: Tribolium Confusum (Confused Flour Beetle) Heritability factors in Speed," located in Knoxville, Tenn.

Tiffany Sithiphone, Mechanical Engineering senior, received a fall 2011 and spring 2012 internship experience with Cisco Systems, Inc., located in Knoxville, Tenn.

Sithiphone received a summer 2012 internship experience at IBM as an Information Technology Specialist Intern located in Austin, Tex.

Michael D. Swift, Electrical Engineering junior, received a fall 2011 cooperative education experience with Memphis Light, Gas, and Water (MLGW) in Memphis, Tenn. Swift received a spring 2012 internship experience at Clinton Utilities Board as a Systems Operation Dispatcher located in Clinton, Tenn.

Tia Tabors, Chemical & Biomolecular Engineering senior, received a full-time job offer as Quality Engineer with General Mills located in Murfreesboro, Tenn. Tabors was recognized as Region 3 Most Outstanding Publications Chair by the National Society of Black Engineers at the Thirty-eighth Annual National Convention held in Pittsburgh, Pa., on March 28-April 1, 2012.

Olivia Thompson, Microbiology senior, received a summer 2012 internship with Volkswagen Distinguished Scholars Program at Oak Ridge National Laboratory Biofuels and Bioenergy Intern located in Oak Ridge, Tenn.

DeAnna Walker, Civil & Environmental Engineering sophomore, received a summer 2012 internship with Tennessee Valley Authority Sequoyah Nuclear Plant as Nuclear Intern located in Soddy Daisy, Tenn.

Andrea Williams, Industrial Engineering senior, received a summer 2012 internship with Eastman Chemical Company as Supply Chain Intern located in Kingsport, Tenn.

Evan Wilson, Chemical & Biomolecular Engineering senior, placed first during the Bryson L. James Student Research Competition at the 57th Southern Nursery Association Research Conference on Jan. 18, 2012, located in Mobile, Ala. Wilson received a summer 2012 internship with ConAgra Foods, Inc., as Continuous Improvement Engineer Intern located in Sylvester, Ga.

Tedros Yohannes, Food Science & Technology senior received a summer 2012 undergraduate research experience with the Department of Food Science and Technology in the research area: Comparison of inactivation of foodborne pathogenic Salmonella and E. coli by synthetic chemicals and natural plant extracts at the University of Tennessee located in Knoxville, Tenn.



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UT's Top NSBE Scholars



Dr. Masood Parang, Associate Dean for Academic and Student Affairs with (left to right) Tiffany Sithiphone, Johnson Luma, Michael Massey and Aeron Glover

The National Society of Black Engineers (NSBE) recognized four University of Tennessee, Knoxville, students with scholar awards for the 2011-2012 academic year at the organization's annual national convention held in Pittsburgh, Pa., on March 28-April 1, 2012.

The awards were presented at NSBE's 15th Annual Golden Torch Awards event to honor exemplifying the organization's ideals of academic excellence, professional success, and dedication to improve the African-American community.

Shanel Crawford-Harris, an electrical engineering senior from Brownsville, Tenn., received the NSBE Fellows National Scholar award. Aeron Glover, an industrial engineering senior from Memphis, Tenn.,

received the NSBE Board of Corporate Affiliates and Fulfilling the Legacy National Scholar awards. Johnson Luma, a civil engineering freshman from Memphis, Tenn., received the NSBE Board of Corporate Affiliates National Scholar award. Michael Massey, a mechanical engineering sophomore from Memphis, Tenn., received the NSBE Academic Improvement National

Scholar award.

The mission of NSBE is to increase the number of culturally responsible Black Engineers who excel academically, succeed professionally, and positively impact the community. NSBE is the largest student-run organization in the country with more than 29,000 collegiate, pre-collegiate, alumni, and lifetime members all over the globe.



SAVE THE DATE

Join us on Friday, November 2, 2012 for a special afternoon designed to showcase the Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) program, honoring its past and discussing its future. You will have the opportunity to listen to and ask questions of administrators, faculty, staff, and students.

Friday, November 2, 2012
 1:30 PM - 3:00 PM in 108 Estabrook Hall
 and 6:00 PM to 8:00 PM located in the
 University Center Ballroom.

Following the showcase, you are encouraged to attend the Homecoming Reception celebrating the 10th Anniversary of TLSAMP Program at the University of Tennessee.

