

# THE FOCUS


A Newsletter from the University of Tennessee College of Engineering's Office of Engineering Diversity Programs Spring 2011

## Engineering the FUTURE

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THE UNIVERSITY of TENNESSEE   
KNOXVILLE  
COLLEGE of ENGINEERING



## A Message from the EDP Director



Greetings!

My name is Travis Griffin, and it is a pleasure to serve as director for the Office of Engineering Diversity Programs (EDP) for the College of Engineering (COE) at the University of Tennessee, Knoxville (UTK). I would like to thank the students, faculty, staff and administration who voluntarily participated within efforts of this annual publication. UTK COE has played an active role and has been successful in

recruiting, retaining, educating and graduating African American, Hispanic and Native American engineering students. With the implementation of a new strategic plan for diversity, the COE has provided an array of recruitment activities through pre-college and university enrichment. In addition to those efforts, the college will continue to build sustainable transition and student development programs to address retention issues of underrepresented students. In particular, the college is currently ranked among the top 50 universities in the nation graduating African American engineering students and has been ranked among the 50 universities since 1978. Our goal is to improve our rankings and assist in university efforts to become a top 25 research institution.

This newsletter includes notable highlights about 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 science, technology, engineering and mathematics (STEM). TLSAMP scholars are engaged in undergraduate research, internship and cooperative education experiences which take learning beyond the limits of conventional thought. The program hosted its 8<sup>th</sup> Annual TLSAMP Research Conference and first awards banquet in efforts to recognize outstanding achievement in areas of research, volunteering, faculty appreciation and academic excellence.

EDP highly encourages collaboration efforts to recruit and pipeline students into graduate programs through various assistance programs such as the National GEM Consortium, Oak Ridge National Laboratory and external university partners that support production of M.S. and Ph.D. graduates in STEM. We anticipate you will find the newsletter to be informative in achievement, current efforts and development needs. In closing, we would like to thank our alumni and corporate supporters, whose generous support provides our students 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.

Regards,

Travis Griffin,  
Director, Office of Engineering Diversity Programs

## University of Tennessee Celebrates 50 Years of Diversity

On January 4, 2011, the University of Tennessee, Knoxville (UTK) acknowledged the 50<sup>th</sup> anniversary of African American undergraduates on campus with the beginning of a year-long celebration. The kickoff event, which took place on February 1, featured a march from the Torchbearer statue and a celebratory program featuring Olympian and UTK engineering alumna Benita Fitzgerald Mosley as keynote speaker.

In January of 1961, Theotis Robinson Jr., Charles Edgar Blair and Willie Mae Gillespie registered as the first African American undergraduates at UTK. Although minority students had received graduate degrees in the 1950s, the university did not open undergraduate admissions to African Americans until the early 1960s.



Benita Fitzgerald Mosley



Condredge Holloway and Kenny Chesney

Additional events for the 50<sup>th</sup> anniversary celebration included the premiere of *The Color Orange: The Condredge Holloway Story*, a one-hour film about the former UTK quarterback and the first starting African American quarterback in the Southeastern Conference. The film was shown on ESPN on February 20.

During the month of May, the Black Alumni Council held its annual meeting May 14-17, and the Alex Haley Celebrity Golf Weekend took place the weekend of May 15-17, honoring the author of *Roots* and former Knoxville resident.

The College of Engineering (COE) will host a special afternoon designed to showcase the Engineering Diversity Programs (EDP) department on Friday, September 23 from 1:30 to 3:30 p.m. in 111 Estabrook Hall. Dean Wayne Davis and Travis Griffin, director of the Office of Engineering Diversity Programs, will speak at an open forum that will also feature several students who are currently enrolled in engineering diversity programs. All COE alumni are invited to attend, and parking will be available in the University Center garage. A Grand Gala honoring diversity on campus will take place the evening of September 23.

The college is also making preparations for the 35<sup>th</sup> anniversary of engineering diversity programs in 2012. The COE's Minority Engineering Scholarship Program (MESP), which was established in 1973 under the direction of Fred Brown, has continued to be one of the country's most successful diversity initiatives. It was renamed the Diversity Engineering Scholarship Program (DESP) in 1999. The celebration will include the 2<sup>nd</sup> Annual Tennessee Louis Stokes Alliance for Minority Participation Awards Banquet on April 16, 2012, and the EDP Homecoming Gala on November 2, 2012, which will feature special activities for African American alumni.

For more information about the university's 50<sup>th</sup> celebration of diversity on campus, visit <http://achieve.utk.edu/events.shtml>. If you would like details on the college's EDP event, please contact the Engineering Development Office at (865) 974-2779 or the EDP office at (865) 974-1931.



## 8th Annual TLSAMP Research Conference

*Education and Research: Parallel Paths to Excellence* by Timothy Reed, TLSAMP Scholar



The 8th Annual TLSAMP Conference was held November 4-5, 2010, at the University of Tennessee, Knoxville (UTK). The conference theme was entitled, "Education and Research: Parallel Paths to Excellence." The conference had representatives from all of the alliance schools in the Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) program. These alliance schools include Tennessee State University, Middle Tennessee State University, University of Memphis, Le-Moyne-Owen College, Vanderbilt University and UTK.

The conference opened with a beautifully decorated networking reception at the Women's Basketball Hall of Fame Rotunda. Students were encouraged to network with the various representatives and were rewarded for their efforts by the many door prizes given away during the event. Dr. A. James Hicks, National Program Director for the LSAMP program, gave the official LSAMP welcome. Several UTK faculty and staff participated in and moderated the reception, including Dr. Carolyn Hodges, Vice Provost and Dean of the Graduate School, and Dr. Wayne Davis, Dean of the College of Engineering. In the Women's Basketball Hall

of Fame Urban Playground Room, undergraduate students presented their research posters to fellow participants, faculty and judges. The poster presentation competition showcased the incredible variety of amazing research the participants have managed to compile in the areas of engineering, mathematics and science.

The final day of the conference opened with an Opening Plenary session in the Carolyn P. Brown University Center Volunteer Ballroom where the students enjoyed breakfast, warm welcomes and a proclamation presentation from the Tennessee State Legislature. The students then attended oral presentation categories that included engineering, mathematics and science. They were also given the opportunity to attend several breakout sessions that discussed a variety of topics ranging from internship and fellowship opportunities at Oak Ridge National Laboratory, The Values of Internships and The Values of Graduate School and STEMdiversity.

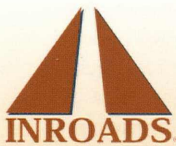
After attending the oral presentations and breakout sessions, participants in the conference then gathered at the closing luncheon at the University

Center Volunteer Ballroom. The keynote speaker for this event was Dr. Tyrone B. Hayes, a professor in the Department

of Integrative Biology at the University of California, Berkeley. His presentation captured the audience's attention by discussing how his undergraduate research on frogs helped shape his future career and eventually led to several outstanding breakthroughs. Dr. Hayes' presentation really got the participants excited about the future of the STEM disciplines.

All in all, each participant gained a renewed sense of determination after attending this conference. Students were able to not only network with corporate and graduate representatives, but they also interacted amongst themselves and established the connection that TLSAMP really strives for.

## The Values of INROADS by Desiree Seay, TLSAMP Scholar



A great man once said, "Success happens when preparation meets opportunity!"

On November 22, 2010, Latrece Sankey, INROADS Southeast manager, delivered a dynamic, power-packed presentation encouraging TLSAMP students to take advantage of the opportunities in undergraduate research and internships as preparation for their professional futures. The presentation consisted of information about several INROADS partnerships in the Southeast region of the U.S. that students could apply to for internships.

INROADS is an international corporation that has 40 offices across the U.S. and serves more than 2,300 interns at over 200 companies. The

INROADS mission is to develop and place talented minority youth in business and industry and prepare them for corporate and community leadership.

Sankey urged students to constantly better themselves by networking, continuously seeking and exploring new knowledge and taking advantage of opportunities made available. During the presentation, she showcased students who have applied for internships and were rewarded through INROADS. Many students involved with INROADS intern with a company and are frequently promoted to work full time with that company. Xavier Jones, a senior in the College of Engineering, has interned two years with Deloitte, and has been offered a full-time position. Michael Swift, a junior, has applied with INROADS, and he is presently preparing for interviews along with a host of other students.

Sankey not only focused on the educational preparation for the future, she also focused on the

mental aspects of preparation.

"Confidence is key," Sankey emphasized.

TLSAMP participants were drilled with the importance of confidence when applying for anything.

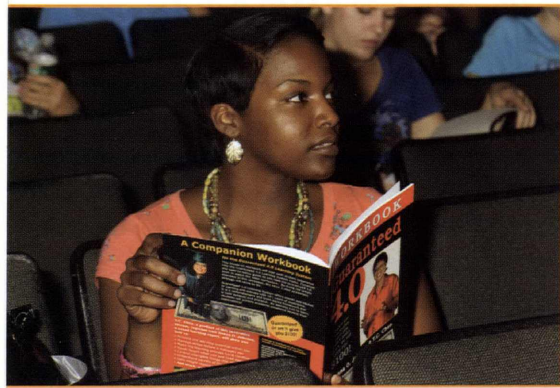
"Companies want to be able to trust and believe that the task at hand can be accomplished," Sankey added.

She demonstrated one particular way students could practice confidence to sell themselves to any company, and that was through a thirty-second "elevator speech." The speech consists of interesting and pinpoint facts about a student that would make them marketable and could be delivered to someone while in an elevator. Sankey also expressed the importance of time management and communication skills. After the meeting, many students were enthusiastic about applying to INROADS and seeking future internships.



# SEMINARS & conferences

## Engineering Diversity Hosts "Guaranteed 4.0" Seminar by Amber Ingram, TLSAMP Scholar



Donna O. Johnson, founder and president of Guaranteed 4.0 Learning System, LLC, spoke to UT students on Monday, August 23, 2010, at the University Center.

"Stop studying and start learning," Johnson said.

Students received this advice at the seminar as Johnson lectured on her unique learning system. The average person remembers only 10 to 30 percent of what they read. Johnson promised she can increase reading retention to 80 to 90 percent using her advanced bullet-point reading method.

The workshop, sponsored by the Office of Engineering Diversity Programs within the College of Engineering, brings enthusiasm and excitement to learning as Johnson uses innovative learning

techniques that teach students to manage their time efficiently as well as effectively to manage stress in order to provide an overall framework for academic success.

Students who adopt the Guaranteed 4.0 plan will see significant changes in their school performance.

Trenton Willis, sophomore in industrial engineering, was motivated by Johnson's lecture.

"I liked how she kept the program simple, in which she emphasized less is more in terms of studying more efficiently," Willis said.

"Everyone processes information one chunk at a time, with a chunk consisting of 3-5 words," Johnson stated.

The seminar teaches students how to break down information and put it in chunk-format, formerly known as a bullet-point. By strategically repeating the bullet-point notes, students are able to transfer this information from short-term to long-term memory in the quickest possible manner.

Many students felt Johnson's lecture was intriguing and uplifting, as well as a great start to the academic school year. Tim Reed, senior in nuclear engineering, said he wished he had known about the program during his freshman year.

"The essence of the seminar and the topic was great," Reed said. "The program challenged me to

analyze my study skills that I developed during my tenure at UT."

Reed added that following this plan will prepare him for graduate school.

"Ms. Johnson's heart was really in the message," Reed commented.

Created more than 18 years ago, the Guaranteed 4.0 is a proven system that consists of a combination of innovative study methods. The program was well received as Johnson delivered an important message to over 200 student attendees that evening.



## TLSAMP Students Attend Women of Color in STEM Conference 2010

by Alexandria Butler, TLSAMP Scholar

The 2010 annual Women of Color (WOC) Conference was truly an engaging and interactive experience for all who were able to participate. Held in Dallas, Texas, this year marked the 15<sup>th</sup> anniversary of a conference dedicated to honoring successful, up-and-coming minority women in Science, Technology, Engineering and Mathematics (STEM) fields.

Providing an array of opportunities, the WOC Conference offered several seminars that allowed attendees to acquire more information and intermingle with professionals of various fields of study. Seminars offered subjects including resume writing, interviewing skills, information technology, computer science, business and financial operations, the life sciences, and even security clearances. As an attendee at the life sciences seminar, I was especially impressed with being able to openly discuss career paths with several successful women, one being Dr. Joan Packenham. Packenham became the first African American to graduate with a Ph.D. in

the field of experimental and cellular pathology from the University of North Carolina. She is now the director of Human Research Compliance at The National Institute of Environmental Health Sciences (NIEHS), a division of The National Institute of Health (NIH). During our seminar, Packenham portrayed the values of a



science education and also offered advice and encouragement for those interested in pursuing research in the future. It was such an honor to be able to sit in with such a distinguished individual who had high hopes and words of wisdom to pass on to the younger generation. Packenham was also honored by her peers at the conference for her achievements, receiving an award that night in

Career Achievement in the area of government.

However, the most beneficial part of the conference was the opportunity to mingle with peers and network with Fortune 500 companies, graduate schools and influential leaders in the STEM community. The Career Fair held on site was a

big part of this networking and allowed us to apply some of the skills we have gained throughout the years to help "sell ourselves." Many opportunities for graduate school education and internships were presented to us by companies like Battelle Memorial Institute, Cox Enterprises, IBM Corporation, NASA Glen Research, T-Mobile and the U.S. Navy.

The 2010 Women of Color STEM Conference primarily helped me gain awareness of the importance of STEM research in the world. This conference

has shown me how my love of math and science as a young girl influenced me to pursue research as an undergraduate student and can help me evolve and have the hope of joining the ranks of other accomplished women who have cleared the path before me. I hope that I can also become a leader and encourage those young women who follow behind me.



# DIVERSITY programs & updates

## College of Engineering Hosts Summer Enrichment Programs 2010

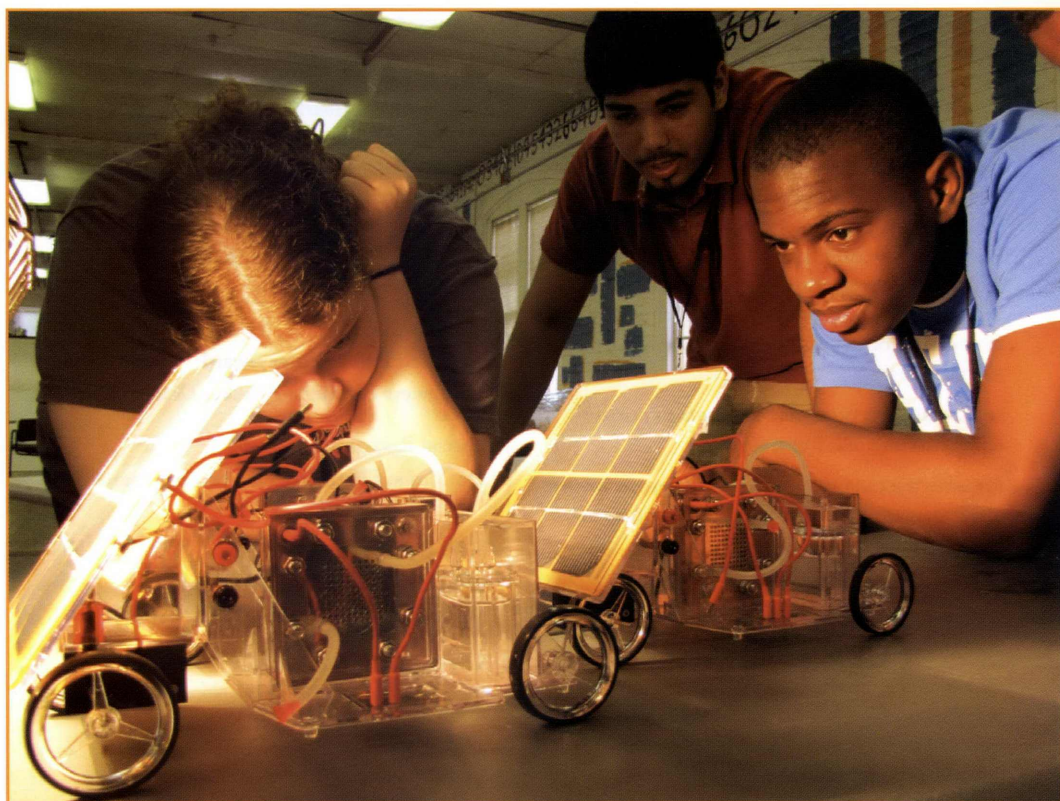
by Julie Wichlinski, COE  
Development Office



This past summer, the Office of Engineering Diversity Programs remained busy with our series of engineering programs for prospective underrepresented (African American, Hispanic American, Native American and women) engineering students. The objective was to provide an introduction into each discipline of engineering and showcase the applications of math and science. Middle School Introduction to Engineering Systems (MITES) was the week of July 18-23, Introduction of Sophomores to Engineering Principles (INSTEP) was July 25-30 and High School Introduction to Engineering Systems (HITES) concluded the summer during the week of August 1-6.

Participants for MITES were incoming 7<sup>th</sup> and 8<sup>th</sup> grade students, INSTEP were incoming 9<sup>th</sup> and 10<sup>th</sup> grade students and HITES were 11<sup>th</sup> and 12<sup>th</sup> grade students. Each program accommodated between 22 and 26 participants. Participants learned about careers in engineering, explored the University of Tennessee, Knoxville campus, toured engineering labs and facilities, competed in engineering challenges, cultivated new friendships, spent a week living on a college campus and gained a jump start on their academic career.

On Thursday, August 5, as the students' week was coming to an end, they arrived at the reception full of excitement and anticipation for their presentations. The maturity and confidence they exuded was undeniable, and we know it was a direct result of the HITES program. As the reception was coming to an end, we asked for a few volunteers to share their experience, and we were surprised and delighted to see the entire group head toward the front of the room. One student said, "It really was a great experience and opportunity because I can now tell people the real definition of engineering." This was followed by each student stating which discipline they intended on studying, why they chose it and which type of engineer they aspire to be.

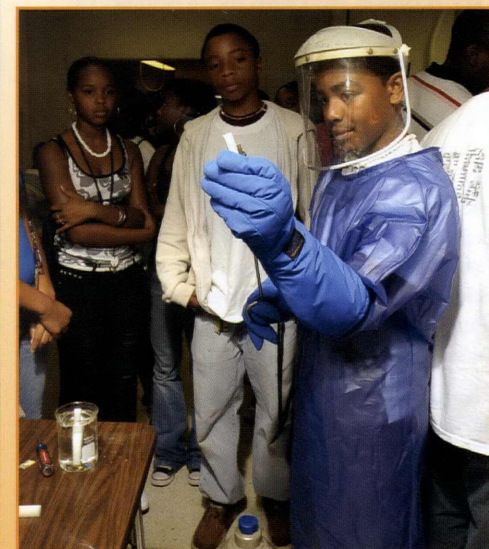


The presentations were challenging for the students at first because many of them had not ever worked in a team environment. They were not inclined to trust each other and were hesitant about working with others without previous knowledge of their background. These projects resulted in much more than a final presentation but rather the creation of values and an unforgettable character building experience. One student said, "We learned more than engineering, including personal skills such as teamwork and speech."

Dr. Fred Tompkins from the Department of Biosystems Engineering & Soil Science wrote a brief article about his experience with the HITES students.

"In spite of the heat and humidity, the students stayed focused and fully engaged and seemed to have a great time," Tompkins said. "While participating in data collection as part of a flow rate experiment being conducted by a graduate student, one young woman looked up at her teammates with a broad smile and said, 'I'm SO going to be an engineer.'"

After each program, we received a multitude of thank you responses from students, parents and professors. The mother of a MITES student said, "I would like to thank you all for the wonderful experience my daughter had at your summer program. She enjoyed the program, and her interest in engineering is growing. She was wary about attending the program, but found herself having the time of her life!"





## University of Tennessee Hosts First TLSAMP Awards Banquet

The University of Tennessee, Knoxville (UTK) hosted its first Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Awards Banquet on Monday, April 18, 2011, at the UTK Visitors Center. 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. The objectives to support the goal of the alliance are to:

recruit underrepresented students to pursue science or engineering as a career;

improve the quality of the learning environment for underrepresented science and engineering students at all schools;

and ensure that a larger number of undergraduate students are prepared to enter graduate programs.

Guests of the program were welcomed by Dr. Wayne Davis, Dean of the College of Engineering (COE), and Charles and Annazette Houston, representatives from UTK's 50<sup>th</sup> Anniversary for African American Achievement. Students, faculty, administrators and guests were recognized for their exceptional involvement in the TLSAMP program.

The extraordinary efforts of the Engineering Diversity Student Advisory Council were apparent as it spent countless hours planning all aspects of the banquet, from the cuisine to clean-up. The efforts of the program director, Travis Griffin, who worked to help make the banquet possible, were also appreciated.

Shortly after the commencement of the banquet, Dr. Howard G. Adams, former Executive Director for the National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc. (GEM), was introduced as the evening's guest speaker. Adams is the Founder and President of H.G. Adams & Associates, Inc., a Norfolk, Va. based consulting company that provides human development services and products to educational, governmental and industrial organizations. Adams is a leading expert on mentoring and mentorship program development and has written, lectured and consulted extensively on mentoring as an effective strategy for professional, educational and personal development. Adams' speech was titled, "Making a Successful Transition into Graduate School Programs," and he covered the 5 P's (Purpose, Preparation, Professionalism, Passion and Persistence).

The banquet proceeded with the 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 list of merit awards with their respective recipients is listed below.

The ceremony featured a slideshow during dinner of TLSAMP, SHPE and NSBE activities that took place throughout the school year. The evening was closed by remarks from Dr. Lonnie Sharpe, Executive Director of the TLSAMP program. Overall, the awards banquet was memorable and well executed. Congratulations to all the award recipients and special thanks to TLSAMP students, faculty, staff and guests for making the academic year a memorable one.

### SHPE Awards

#### Outstanding Presenter Award

Dr. Ernest Brothers, Assistant Dean for Graduate School

#### Special Recognition Award

Dr. Masood Parang, COE Associate Dean for Academic and Student Affairs

### NSBE Awards

#### Most Dedicated Member Award

Michael Massey, Mechanical Engineering

#### The Golden Torch Award

Ebony Lemons, Civil & Environmental Engineering

### TLSAMP Graduating Seniors Awards

Quincy Beasley, Biomedical Engineering

Andrew Burks, Computer Engineering

James Ensley, Civil Engineering

Erica Hawkins, Biomedical Engineering

Xavier Jones, Computer Engineering

Stefan Nwandu-Vincent, Biomedical Engineering

### TLSAMP Faculty of the Year Award

Dr. Richard Bennett, Engineering Fundamentals

### TLSAMP Outstanding Volunteer Service Award

Amber Ingram, Industrial Engineering

### TLSAMP Outstanding Research Award

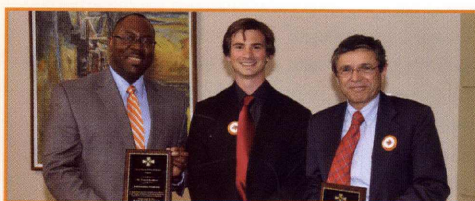
James Ensley, Civil & Environmental Engineering

### TLSAMP Freshman of the Year Award

Adeleye Ademola, Chemical Engineering

### TLSAMP Scholar of the Year Award

Xavier Jones, Computer Engineering



Dr. Ernest Brothers, Scott McCullough, and Dr. Masood Parang



Shanel Crawford-Harris, Amber Ingram and Dr. Lonnie Sharpe



Amber Ingram, Andrew Burks, Xavier Jones, James Ensley and Dr. Lonnie Sharpe



Dr. Lonnie Sharpe, Adeleye Ademola and Honest Mrema



Darryl Bell, James Ensley and Dr. Lonnie Sharpe



Dr. Lonnie Sharpe, Xavier Jones and Dr. Masood Parang



Aeron Glover, Dr. Richard Bennett and Dr. Lonnie Sharpe



Michael Massey, Jessica Sanders and Ebony Lemons



Travis Griffin, Dr. Howard G. Adams, Mona King, Dr. Lonnie Sharpe and Dr. Wayne Davis



# TLSAMP movers & shakers



**Adeleye Ademola**, Chemical & Biomolecular Engineering freshman, received a summer 2011 undergraduate research experience with the Tennessee Solar Conversion and Storage Using Outreach, Research & Education (TN-SCORE) program in the Advanced Solar Conversion and Innovation research area at the University of Tennessee in Knoxville. Ademola was also recognized as a Board of Corporate Affiliates (BCA) Scholar by the National Society of Black Engineers at the 37th Annual National Convention held in St. Louis, Mo., on March 23-27, 2011.

**Darryl (T.J.) Bell**, Electrical Engineering senior, received a summer 2011 undergraduate research experience with the Department of Electrical Engineering & Computer Science at the University of Tennessee in Knoxville.

**Alexandria Butler**, Biomedical Engineering senior, received a spring 2011 undergraduate research experience with the Department of Mechanical, Aerospace, & Biomedical Engineering in the Nano-Particles of Ivy Rootlets with Biomedical Applications research area at the University of Tennessee in Knoxville.

**Janelle Dunn**, Industrial Engineering junior, received a fall 2011 cooperative education experience with BSH Home Appliances Corporation in Jacksboro, Tenn., as a manufacturing engineer.

**James Ensley**, Civil Engineering senior, received a summer 2011 undergraduate research experience with the Department of Civil & Environmental Engineering at the University of Tennessee in Knoxville.

**Aeron Glover**, Industrial Engineering senior, received a summer 2011 internship with Google, Inc. in Mountain View, Calif., as a Media and Platform Solutions intern. Glover was also recognized as a Board of Corporate Affiliates (BCA) Scholar by the National Society of Black Engineers at the 37th Annual National Convention held in St. Louis, Mo., on March 23-27, 2011.

**Alan Hancock**, Electrical Engineering senior, received a summer 2011 undergraduate research experience with the Department of Electrical Engineering & Computer Science at the University of Tennessee in Knoxville.

**Jerrika Hall**, Chemical Engineering senior, received a spring 2011 cooperative education experience as a Dow coating materials-run plant engineer with Dow Chemical in Charlotte, N.C.

**Breana Harvell**, Materials Science & Engineering junior, received a summer 2011 undergraduate

research experience with the Department of Materials Science & Engineering in the synthesis and characterization of scintillation materials for radiation detection research area at the University of Tennessee in Knoxville.

**Gary Hathaway**, Mechanical Engineering junior, received a spring 2011 internship with Oak Ridge National Laboratory located in Oak Ridge, Tenn. Hathaway also received a summer 2011 internship with Schlumberger in Commerce City, Colo.

**T. Shaunte Hunter**, Mechanical Engineering sophomore, received a spring 2011 undergraduate research experience with the Center for Musculoskeletal Research at the University of Tennessee in Knoxville. Shaunte also received a summer 2011 cooperative education experience with Southern Company in Atlanta, Ga., in the Design Group division.

**Amber Ingram**, Industrial Engineering senior, received a summer 2011 undergraduate research experience with the Department of Industrial & Information Engineering at the University of Tennessee in Knoxville.

**Anderson Jackson**, Industrial Engineering senior, received a spring 2011 cooperative education experience with ALTEC Industries in Burnsville, N.C., working in the Quality division.

**Darius James**, Electrical Engineering junior, received a summer 2011 internship with Novelis in Atlanta, Ga., as a reliability engineering intern.

**Marcus Jeter**, Mechanical Engineering sophomore, received a summer 2011 internship with Jacobs Engineering Group, Inc. in Houston, Texas, as a mechanical engineering intern.

**Marquinta (Moná) King**, Biochemistry & Cellular and Molecular Biology sophomore, received a summer 2011 undergraduate research experience with the Minority Summer Research Program at Vanderbilt University located in Nashville, Tenn.

**Ebony Lemons**, Civil Engineering junior, received a summer 2011 undergraduate research experience with the Department of Civil & Environmental Engineering at the University of Tennessee in Knoxville.

**Honest Mrema**, Aerospace Engineering junior, was recognized as a Board of Corporate Affiliates (BCA) Scholar by the National Society of Black Engineers at the 37th Annual National Convention held in St. Louis, Mo., on March 23-27, 2011.

**Stefan Nwandu-Vincent**, Biomedical Engineering senior, received a spring 2011 undergraduate research experience with the Center for

Musculoskeletal Research as a research assistant at the University of Tennessee in Knoxville. Nwandu-Vincent also received a summer 2011 internship with Kimberly-Clark in Neenah, Wis.

**Josiah Oduor**, Materials Science & Engineering junior, received a summer 2011 internship with Logan Aluminum, Inc. in Russellville, Ky., as a Technical Unit Laboratory intern.

**Kristen Richárd**, Biomedical Engineering junior, received a spring 2011 undergraduate research experience with the Department of Physics in the research area of Liquid Scintillators at the University of Tennessee in Knoxville.

**Michael D. Swift**, Electrical Engineering junior, received a spring 2011 cooperative education experience with Memphis Light, Gas, and Water (MLGW) in Memphis, Tenn., within the Systems Operation, Gas & Water division.

**Tia Tabors**, Chemical Engineering senior, received a summer 2011 internship with Eastman Chemical Company in Kingsport, Tenn., as a chemical engineering intern.

**Jalyce Taylor**, Biochemistry & Cellular and Molecular Biology senior, received a summer 2011 undergraduate research experience with the Department of Biochemistry & Cellular and Molecular Biology in the Ethylene Signaling in Plants research area at the University of Tennessee in Knoxville.

**Thomas Turner**, Electrical Engineering junior, received a summer 2011 internship with Eaton Electrical Corporation in Fayetteville, N.C., as an operation engineering intern.

**Christiana Ukoli**, Industrial Engineering senior, received a 2010-2011 year-long cooperative education and internship experience with UPS in Knoxville, Tenn., in the industrial engineering division.

**Chandler Wallace, Jr.**, Biomedical Engineering junior, received a summer 2011 undergraduate research experience with the Department of Physics in the Neutrino Physics research area at the University of Tennessee in Knoxville.

**Andrea Williams**, Industrial Engineering junior, received a summer 2011 internship with General Electric (G.E.) Healthcare in Milwaukee, Wis., as an Operations Management Leadership intern. Williams was also recognized as a G.E. Lloyd Trotter African-American Forum Scholar by the National Society of Black Engineers at the 37th Annual National Convention held in St. Louis, Mo., on March 23-27, 2011.





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## The Ambition of NSBE's Fall Regional Conference by Jonathan Calvin, NSBE and TLSAMP Scholar

What does your major do? What type of occupation do you see yourself in while concluding the studies relevant to your present academic endeavors? How does a professional behave in the field of his or her profession?



The National Society of Black Engineers Fall Regional Conference of region three answered these questions and many more to interested students who want to excel in the various fields of engineering and other science, technology and mathematical related fields.

This year, the NSBE Fall Regional Conference of region three was hosted in Birmingham,

Ala., at the beautiful hotel of Sheraton Birmingham. Multiple sessions were offered between the evening of November 12 and the morning of November 14 to show young future professionals how to succeed.

The conference's theme, "Engineering the Gateway to Success," could not have been worded any better. Students of various age groups and schools not only had an opportunity to interact with professionals and prestigious individuals who hold the title of Ph.D., but also networked with one another. Whether it was intra-chapter or extra-chapter, the conversations with all who had similar aspirations were uplifting and unforgettable.

We hoped, we learned and now it's time for us to continue to achieve. Throughout the conference, our region saying was "three ready." I am positive that everyone who participated in the conference could join together and shout, "WE ARE READY!" We're ready to succeed, we're ready to accept our responsibilities that come with the power of education, and we're ready to change the world.



PAN: E01-1305-043-11

**35th Anniversary  
 for Engineering  
 Diversity**

**SAVE THE DATE**

**2nd Annual TLSAMP  
 Awards Banquet  
 April 16, 2012**

**Engineering Diversity  
 Programs  
 Homecoming Gala  
 November 2, 2012**