

# Open House:

## Alumni and Partnership Luncheon

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY  
TEXAS SOUTHERN UNIVERSITY

Fall  
2015





# GLIMPSES

# COSET Open House 2014

**Friday, October 23, 2015, 10:00 a.m. - 2:00 p.m.**

TSU Science Center Atrium  
3100 Cleburne Street, Houston, Texas 77004

**Viewing of Laboratories, Posters, and Networking**

**Opening – Lunch is Served (11:30 a.m.)**  
Dr. Oscar H. Criner, Interim Associate Dean

**Welcome to the College and Purpose of the Event**  
**“STEM Excellence Moving Forward - Next Steps”**  
Dr. Oscar H. Criner, Interim Associate Dean

**Recognition of COSET King and Queen**  
Dr. Oscar H. Criner, Interim Associate Dean

**State of the College of Science, Engineering and Technology**  
**Report of Annual Activities**  
Dr. Lei Yu, Dean

**Student Presentations**  
Simone Holmes, Senior, Computer Engineering Technology  
Tracey Taylor, Senior, Chemistry  
Blair Ogujiofor, Junior, Aviation Science and Technology  
Jamaal Roby, Junior, Computer Science

**Board of Advisors Perspective**  
Mr. Paul Simmons, Chairman, COSET Board of Advisors

**Introduction of Keynote Speaker**  
Dr. Lei Yu, Dean

**Keynote Address**  
**Mr. Scott Minnix**  
Director, General Services Department, City of Houston

**Alumni Activities**  
Ms. LaKeisha Melton, President, COSET Chapter, TSUNAA

**Presentation of 2015 Distinguished Alumni Awards**  
Dr. Oscar H. Criner, Interim Associate Dean

**Closing Remarks**  
Ms. Eva Pickens, Interim Vice President for University Advancement

## Dean's Welcome

---

### **Dr. Lei Yu**

**Dean, College of Science, Engineering and Technology  
Texas Southern University**



It is the time of the year when we warmly welcome you, our distinguished alumni, partners, and friends, to our annual Open House – Alumni and Partnership Luncheon! As usual, we will update you on our student research, program initiatives, exciting news, and various accomplishments that the College has made during the 2014-2015 academic year. We will recognize Distinguished Alumni from each of the 10 academic departments. You will have the opportunity to observe our student research activities and to tour our state-of-the-art laboratory facilities.

The most noticeable change in the College that you will see immediately is that a new college name is now being used. The Texas Southern University (TSU) Board of Regents officially approved the change of our college name in its meeting on February 20, 2015, from the College of Science and Technology (COST) to the College of Science, Engineering and Technology (COSET). The “COST” now relates to our history, and “COSET” refers to our new life from now and into the future. Our entire college family is truly excited about this change, especially since there are unlimited opportunities that the change will bring, such as adding additional engineering programs and securing new funding from industry.

The upward trend in enrollment has continued forward from last year and the college experienced a record growth of its student enrollment for Fall 2014, an 18% increase over Fall 2013. Over 20% of Texas Southern University students now choose an academic program in the COSET as their major, up from only 15% in 2009. This level of growth is phenomenal in view of the challenges associated with financial aid that have negatively affected the overall enrollment of our university for the past several years.

I hope you all will enjoy your time with us today as you observe our student activities, various accomplishments, and the progression of our programs. Thank you for showing your continued support by attending this luncheon!

# Advisory Board Chair's Welcome

---



**Paul Simmons**  
**President, Paul Simmons & Associates, Inc.**  
**Bellaire, Texas**  
**Chair, Board of Advisors**  
**College of Science, Engineering and Technology**  
**Texas Southern University**

The Advisory Board for the College of Science, Engineering and Technology (COSET) has been looking forward to your attendance at this year's Open House - Alumni and Partnership Luncheon. Our Partners are essential to the success of our students and our College. Strong, active relationships between our Alumni, Partners, and the Students strengthen the College and its graduates; the best of whom will be employed by the Partners.

The Advisory Board consists of the Dean of the College, and the faculty leadership from the 10 departments of the College. In addition, there is significant representation from the private sector and government. The 30 plus members of the Advisory Board represent over 1,000 years of academic and professional experience in the area of science, engineering, and technology. The robust combination of capability, experience, and dedication, has established the COSET Advisory Board as a valuable force guiding the College into the future.

The Advisory Board has been developing an Introduction to Engineering and Science Program for incoming Freshmen. During the summer preceding the first semester at TSU, participants will undertake academic challenges, and be introduced to the academic and social skills necessary to prosper and build relationships with individuals from diverse racial, ethnic, cultural, and socioeconomic backgrounds. The program is envisioned to be a scholarship funded activity, taught by our Partners.

With the opening of the Leonard H.O. Spearman Technology Building 18 months ago, COSET is truly a science and technology complex on the campus of TSU. Our new building features 35 technologically advanced laboratories, multiple computer networks and Smart Boards in each classroom, bountiful faculty offices that enhance student/teacher interactions, and many other features that allow the learning experience to flourish. Feel free to spend some time inspecting our new facility.

Our request to the industry attendees today is to probe deeply into the College, Faculty, and Student body to learn who we are, how we have grown and where we are going. To get to the top as effectively as possible, we need your partnership. Identify a COSET student to nurture. Expose them to possible careers, to your expectations through internships and hires. What you can bring to the table compliments our efforts within our academic world. It is a privilege to have you here today with us. If you have any questions, please stop me later or contact me through the Dean's office. I shall be more than happy to assist you.

# COSET Alumni Association President's Welcome

---

## **LaKeisha Melton**

**Business Process Lead**

**Cameron International, Houston**

**President, College of Science, Engineering and  
Technology Alumni Chapter, TSUNAA**



Welcome,

My name is LaKeisha D. Melton, I am the new College of Science, Engineering and Technology (COSET) Alumni Chapter President, and 2006 Graduate of the COSET Computer Science Department, with a minor in Electronic Engineering Technology. I am a Full-Time Corporate IT Professional, Small Business Owner, Entrepreneur, Mentor, and proud TSU Alumnae. I am grateful for the opportunity to serve as COSET Alumni Chapter President 2015-2016, and I am eager for you to embark on this new journey with us.

On behalf of the COSET Alumni Chapter we extend to you a hearty welcome to this year's COSET Open House Alumni and Partnership Luncheon, as we again honor our sponsors and distinguished alumni for their contributions toward our success this past year. We ask that you help us embark on a new exciting and innovative direction of the college, and help contribute to its success. With new engineering programs, student scholarships, partnerships, graduate career opportunities, we are definitely heading in the right direction.

The COSET Alumni Chapter in strong affiliation with the University, the TSU National Alumni Association, and the College of Science, Engineering and Technology, strives to give back to TSU's foundation, legacy, the students, and the future of this great university. We serve as networks, mentors, supporters, and most importantly family. We want TSU students to be confident, be encouraged, and claim their place in society. We are all here to help.

Join our COSET Alumni Chapter today and let's show the University that COSET Alumni and Supporters are making an impact as well. As a chapter we provide scholarship and mentoring opportunities for students as well as networking opportunities, professional development, career fairs (students and alumni), social events, community service, and fundraisers. Let's make a difference in a student's life; let's make a difference in a peer's life; and let's make a difference in our own lives. Let's keep the legacy of TSU alive and going strong; and let's leave behind a legacy of our own.

The time is now! Let's make a difference today! Thank you.



### **Scott Minnix**

**Director, General Services Department**

**City of Houston**

**Houston, Texas**

**Member, Board of Advisors**

**College of Science, Engineering and Technology**

**Texas Southern University**

Scott Minnix has been the Director of the General Services Department (GSD) for the City of Houston since November 2010. Prior to joining the City of Houston, he held an executive position for the City of Seattle, as a director of facility operations in the Fleet and Facility Department. He has served in leadership roles in the private sector, university/academia and the public sector.

He has performed as a high-impact results oriented strategist throughout his 20-plus years of executive, operations, property management/real estate, community relations and HR leadership. He brings a unique and special ability to lead change, coach and get positive results using best practices and optimizing team and individual performance.

During his tenure with the City of Houston he has brought innovation and strategic planning to his department and the City. He worked to fund and implement a Facilities Condition Assessment and Security Assessment of city facilities. This was the first time the City initiated a comprehensive evaluation of the physical condition of its facilities, which provided a strategic facility maintenance plan for the next 20 years. He has also created Preventive Maintenance Teams and implemented a Vertical Maintenance Program designed to reduce GSD's deferred maintenance back log by 20% while increasing its preventive maintenance efforts by 15% in its first year. GSD continues to improve its' overall performance with significantly reduced budget and an ever aging building portfolio. He has significantly enhanced the knowledge, skills, and ability of the entire GSD workforce as well as implemented Lean Six Sigma process improvement and management throughout the department. He has been a leader amongst all City of Houston Department Directors.

GSD was named- City of Houston Outstanding Department of the Year by the Mayor's Office of Business Opportunity. He received the "Pinnacle Award" for Outstanding Business Advocate of the Year in 2014. As a leader of MWBE outreach and utilization, he consistently promotes the development and capacity building of MWBEs. The business community seeks his counsel on business development and strategic planning. GSD is annually recognized for its' outstanding MWBE engagement and participation.

He serves on many boards in the community including, Vice-President of International Facility Management Association (IFMA), Texas Southern University, College of Science, Engineering and Technology, American Institute of Architects (AIA), Rice Design Alliance (RDU), the Ensemble Theatre, and Houston C-STEM.

Director Minnix is a former officer in the U.S. Naval Reserve. He received a Master of Public Administration degree from the University of Washington and a Bachelor of Arts degree in Business Administration/Management from the University of Puget Sound.

## Speakers

---

### **Simone Holmes**

**Senior, Computer Engineering Technology  
Texas Southern University**



Simone is a native of Houston, Texas where she earned her high school diploma from Booker T. Washington High School and the High School for the Engineering Professions in 2007. Her desire to pursue a career in Engineering brought her to Texas Southern University in the Spring of 2013. During her tenure at TSU she has maintained a cumulative GPA of 3.4 for which she has been recognized at TSU's Honors Day Convocations in 2014 and 2015. She previously served as the Treasurer for the National Society of Black Engineers (NSBE) TSU student chapter, and currently fulfills the role of President for the organization. Upon graduation, she plans to pursue a Masters of Business Administration degree to pave her path towards a rewarding career in Industry.

### **Tracey Taylor**

**Senior, Chemistry  
Texas Southern University**



Tracey Taylor was born and raised in Houston and received her high school diploma from Eisenhower High School in 2012. Ms. Taylor is a graduating senior pursuing her Bachelor of Science in Chemistry at Texas Southern University with a GPA of 3.54. Tracey is a Scholar of the Louis Stokes Alliance for Minority Participation (LSAMP). Additionally, she is the recipient of the Joint Admission Medical Program (JAMP) scholarship and the NASA Texas Space Grant STEM Columbia Crew Memorial Scholarship during her tenure at TSU. She is currently the Vice-President of the American Chemical Society Club, and former Secretary of the Minority Association of Pre-Medical Students organization. Ms. Taylor has been elected as the COSET queen for 2015-2016. Ms. Taylor's future career plan is to complete a Doctor of Medicine degree in Cardiology at a prestigious university.



**Blair Ogujiofor**  
Junior, Aviation Science and Technology  
Texas Southern University

Blair Ogujiofor is an undergraduate student in Aviation Science from Imo, Nigeria. Ms. Ogujiofor received her high school diploma from Cherryfield College, Abuja, Nigeria, where she served as the Sports Prefect. Currently, Ms. Ogujiofor is working towards obtaining her Private Pilot's license, here at Texas Southern University. During her tenure at the university, Ms. Ogujiofor has been recognized for her academic excellence on the Honor Roll, the Dean's List, and the President's List, and she is one of the recipients of the 2015/2016 Wings Over Houston Airshow Scholarship. Ms. Ogujiofor is a member of the Women in Aviation International (WAI) chapter and the American Association of Airport Executives (AAAE) chapter on campus. She is currently the Treasurer of the AAAE. After receiving her degree from TSU, her goal is to become a Captain for the German Airline, Lufthansa, and to bring improvements to the aviation industry both here, and abroad.



**Jamal Roby**  
Junior, Computer Science  
Texas Southern University

Mr. Jamaal Roby is a junior at Texas Southern University majoring in Computer Science with a cumulative GPA of 3.58. He is a Research Assistant with the NSF CREST Program, Center for Research on Complex Networks, working on Wireless Rechargeable Sensor Networks under the supervision of Dr. Wei Wayne Li. He has been a participant in the Summer Undergraduate Research Program overseen by Dr. Hyun-Min Hwang. He worked as part of the Education Outreach Program which promotes the development of STEM education and computing with elementary and middle school students, under the mentorship of Dr. Oscar Criner. As an Air Force Veteran, former firefighter, and Computer Science student, Mr. Roby has developed a versatile skillset. He recognizes the importance of hard work and being involved in his community. He spends his free time honing his skills with a small mobile application group on campus. He hopes to make a definitive impact within the Computer Science Department and Texas Southern University.

## 2015 Distinguished Alumni Awards

---

### Department of Aviation Science and Technology

Jose Dobaldo, B.S.

Airport Manager, Liberty Municipal Airport  
Liberty, Texas



After completing secondary school in Honduras, Jose was awarded a Cooperative Association of States (CASS) scholarship by the United States government to study at Utah Valley University in Provo, Utah. While there he improved his English skills and completed an Associate Degree in Environmental Technology. He received the Golden Achievement Award for his outstanding community service and was recognized for having the highest GPA in the Environmental Technology Department. Upon completing his degree, Jose moved to Panama City, Panama to work for TACA Airlines. During his five years at the Marcos Gelabert International Airport, he held various service and operational positions. In a chance encounter in Panama, he met a woman from Houston, Texas that he would later marry. When he returned to the United States, he discovered the well known aviation program at Texas Southern University and knew it was time to get his aviation degree. During his studies, he expanded his aviation knowledge with the help of his experienced professors. In December of 2011, he earned a Bachelor of Science in Aviation Management and graduated Magna Cum Laude.

In early 2012, Jose was hired to revitalize and upgrade the 140 acre Liberty Municipal Airport in Liberty, Texas. As manager, he oversaw the \$700,000 construction project of twenty t-hangars as well as other projects such as ramp improvements, security fencing, and terminal updates. Jose also refurbished a 24,000 gallon used fuel system purchased for the airport fuel farm. During the past three years, he has tripled the number of based aircraft and increased airport traffic by providing clean, safe facilities and personal service. As manager, he has hosted fly-in events and children's tours and mentored three Texas Southern University seniors who completed their internships at the airport. Jose knows this is just the beginning in aviation for him and thanks to his degree from Texas Southern University only the sky is the limit.

### Department of Biology

Karen Pennywell, B.S., M.A.

Cardiff Junior High School  
Katy, Texas



Karen Pennywell is a 1996 graduate of Texas Southern University. She received her Bachelor of Science degree in Biology with a 6th-12th Biology Certification. She attended Grand Canyon University and received a Master of Arts degree in Teaching. Karen has been employed with the Katy Independent School District since 1999. She served as a 7th Grade Science Teacher from 1999-2010. She received the Katy ISD AP Science Vertical Teach, 7th Grade Science Curriculum Writer, Science department chair, TEA TAKS-ALT Revision Committee Member, KJH Campus Lead Mentor, Katy Improvement Council, Campus Advisory Teach, and Katy Junior High Teacher of the Year (2002-2003). During the 2010-2011 school year Karen was the JH Science Specialist, TOT-Science Academies 5-8 and the JH Science Revised State TEKS. She is currently employed with Cardiff Junior High School in the Katy Independent School District. She serves as the Instructional Coach for Science, Pre-AP Making the Connections in Science, Science Curriculum Writer, Trainer of Trainings, and is involved with Professional Development (Region 4 Formative Assessment in Science, Vernier Probes, TX Team-Review NGSS, State Review Committee for Science Instructional Materials, and PAEMST Review Committee Member.

### Department of Chemistry



Ashley N. Guillory, Ph.D.  
University of Texas Medical Branch  
Galveston, Texas

Ashley Guillory graduated magna cum laude from Texas Southern University in 2007 with a B.S. in Chemistry. She completed her terminal degree in Pharmacology in the Department of Pharmacological and Pharmaceutical Sciences at the University of Houston in December of 2012. Ashley's research focused on investigating the molecular mechanisms associated with the maladaptive changes of  $\beta$ -adrenergic receptor signaling in heart failure with the intention of identifying new therapeutic targets for the treatment of heart failure. During her time at University of Houston she was the recipient of several university scholarships, travel awards and other commendations and has presented her research at conferences across the United States. Ashley was also awarded a highly competitive NIH graduate research supplement for her thesis project. Dr. Guillory also serves on several committees of the American Society for Pharmacology and Experimental Therapeutics and was a moderator and planning committee member for the Thirty-Eighth Annual Medicinal Chemistry and Pharmacognosy Meeting-in-Miniature. Ashley is currently working as a postdoctoral fellow in the Surgery department at the University of Texas Medical Branch in Galveston, Texas in conjunction with Shriners Hospitals for Children-Galveston. This position offers her the unique opportunity to gain experience and training in conducting and managing clinical trials as well as to further expand her training in basic research. She has earned certificates in Advanced Academic Management Skills and Effective Teaching and Mentoring. Ashley will earn a certificate in Translational Research Team Management next spring. Dr. Guillory has been awarded a three year Shriners Hospitals for Children fellowship for project entitled " $\beta$ -adrenergic and androgen receptor signaling in burn-induced cardiac hypertrophy." She has been the recipient of many awards and honors since moving to University of Texas Medical Branch including a second place Best Abstract Award for Young Translational and Clinical Pharmacologists. Her long term goal is to continue researching cardiovascular dysfunction in stress-induced diseases and identifying molecular targets for therapeutic interventions.



### Department of Computer Science

Edwin Cuc, M.S., M.B.A.  
IT Director, Nearshoring Services  
Houston, Texas

Edwin Cuc enrolled at TSU in fall of 2001 and was a member of the second cohort of the Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) students. He graduated from Texas Southern University in May 2007, with a Masters degree in Computer Science and a minor in Mathematics. His career in IT began in the hardware /IT technical support branch. His decision to take the challenge came via TSU's engineering Department. As a contract software developer for NASA's Safety & Mission Assurance Directorate, he was able to apply the principles of software engineering that he learned as a student. During the past 11 years, the various roles in IT that he has held have enabled him to continue to increase his knowledge base. Currently, he works as the IT Director overseeing both the hardware and software operations offering nearshoring services to the healthcare industry. Mr. Cuc proudly encourages students of the College of Science, Engineering and Technology. He wants them to know that the tools learned here will serve them a lifetime. He would like to thank the faculty and staff of TSU for enabling him to be well equipped for future.

## 2015 Distinguished Alumni Awards

---

### Department of Engineering

Emil Burns, B.S.  
Field Engineer, Ametek-Chandler Engineering  
Houston, Texas



Mr. Emil Burns came to Texas Southern University in 2006 after serving 5 years and 2 tours in Iraq for the United States Marine Corps. There he earned the distinction of Sergeant as a Ground Radio Repairman. Emil Burns then received his Bachelor of Science in Electronic Engineering Technology from Texas Southern University in 2010. After graduation, Emil launched his career in San Antonio, Texas, as an Electronics Technician with Schlumberger Pressure Pumping Services where he became a highly experienced Field Service Engineer and Electronic Technician with extensive background in the maintenance, repair, and reconfiguration of equipment within the oil and gas industry.

After 3 years of extended work days doing hydraulic fracturing with the company, a better opportunity arose with Ametek-Chandler Engineering. There he was offered a better quality of life, and the opportunity to travel. Since joining the company as a "Global Services" Field Engineer at Ametek-Chandler Engineering he has travelled to more than 14 states, 60 cities, and 6 countries including Dubai and Trinidad. Despite his extensive travels, Emil still has plenty of time to spend with his 15 year old son and 6 year old daughter.

Throughout his career, he has used exceptional troubleshooting and analytical skills, along with his attention to detail to inspect, test, and locate a problem and resolve complex technical problems. On a daily basis, Mr. Burns develops practical and thorough technical solutions to complex problems utilizing ingenuity and creativity.

### Department of Environmental and Interdisciplinary Sciences

Zivar Yousefipour, Ph.D.  
College of Pharmacy and Health Sciences, TSU  
Houston, Texas



Zivar Yousefipour, Ph.D. is a tenured Associate Professor of Environmental Health at Texas Southern University. She obtained her Ph.D. in Environmental Toxicology from Texas Southern University in 2004 and her B.S and M.S degrees in biology and biochemistry from the University of Houston. Her areas of expertise include cardiovascular diseases with studies focusing on mechanisms of acute renal failure, the role of sodium transporters in salt-induced hypertension, the effect of environmental pollutants on the cardiovascular system, and the aging process. Dr. Yousefipour maintains a research laboratory in the College of Pharmacy and Health Sciences studying the mechanism of environmental pollutants on vascular system. In 2014, Dr. Yousefipour was awarded a four-year, \$453,000 grant from the NIH to continue her study on the molecular mechanism of acrolein-induced vascular toxicity. She has been the recipient of several awards including the 2005 Caroline Tum Sudan Professional Opportunity Award from the American Physiological Society. As the result of her work, Dr. Yousefipour has authored or co-authored more than 20 scientific papers in prominent journals. Over the last 7 years she has mentored 2 graduate students and 20 undergraduate students. Dr. Yousefipour has been a member of several professional organizations including the American Heart Association, the American Physiological Society, and the Society of Toxicology. She is a very strong advocate for the environment and has given talks at several high schools in that regard.

### Department of Industrial Technology



James S. Walker III, B.S.

Director, Maintenance, Houston Community College System  
Houston, Texas

Mr. James Stewart Walker, III serves as Director of Maintenance at Houston Community College. HCC currently has six colleges and over 20 campuses throughout greater Houston totaling approximately 4 million square feet. Mr. Walker has over 15 years of extensive experience as a Construction Management Professional. He served as Principal Project Manager with James S. Walker Architects where he managed several construction projects within the City of Houston.

Mr. Walker's passion for teaching and learning has compelled him to join as an adjunct faculty member at HCC where he has taught courses in Construction Management, Introduction to Construction, and Construction Methods and Materials. Mr. Walker holds a Bachelor of Science in Industrial Technology from Texas Southern University. He is a Certified Instructor with the National Center for Construction Education and Research (NCCER) and is a graduate of the Leadership Excellence Institute (LEI) from Houston Community College.



### Department of Mathematics

Reginald Taylor, Ph.D.

Mading Elementary School  
Houston, Texas

On July 24, 1974, Reginald E. Taylor was born in Houston, Texas - the son of the first African- American male to earn a Ph.D in mathematics from the University of Houston, Willie E. Taylor and a female teacher whose teaching range spans regular education to special education, Gwendolyn L. Taylor. Coming from two educators, there was no doubt that he would also become an educator as well.

There are innovative teachers and then there are inventive teachers. And then there is Reginald, who is a bit of both. His teaching leadership is best exemplified in his innovative and creative methods he uses to help students of all ages understand mathematics. He calls his methods "edutainment", keeping it fun for students while they are deeply engaged in the learning process of various concepts in mathematics. His ability to relate the math to real world situations really develops the learning for students. One walks into Reginald's classroom and finds the environment alive with excitement from the students, passion from the teacher and a "Wow!" factor from his choice of delivery methods. Mathematics or science, Reginald always delivers a lesson that astounds and engrosses the class.

Reginald's approach to learning is a true inspiration to his students and will no doubt result in many of his students doing great things in the future. This inspiration not only reaches his students, but also his family as well. Reginald is married to Brandy H. Taylor, a preschool teacher. Together, they have 3 sons- William E. Taylor, 10 and twins Daniel E. and David E. Taylor, 8.

## 2015 Distinguished Alumni Awards

---

### Department of Physics

Samantha J. Everett, B.S.  
W. H. Adamson High School  
Dallas, Texas



Samantha received her Bachelor of Science degree in Physics in 2011 from Texas Southern University. After graduation, she moved back to Dallas to pursue her dream of being an educator and inspiring a future generation of young scientists. Samantha was soon hired by the Dallas Independent School District as a highly qualified teacher. She began working as a middle school substitute teacher and later was given the opportunity to teach Integrated Physics and Chemistry at a local high school. Although it was a rough first year, Samantha was awarded the “Above and Beyond” Award for her hard work and perseverance. Her students love her for her patience, support and relatable personality. She is teaching physics at W. H. Adamson High School in Dallas.

### Department of Transportation Studies

Roben Armstrong, M.S.  
HDR Engineering, Inc.  
Houston, Texas



Ms. Roben L. Armstrong is an Associate and Transportation Planner with HDR Engineering Inc., responsible for a myriad of transportation projects throughout the nation. Ms. Armstrong has nearly fifteen years of industry experience and has recently added Aviation Program Manager to her resume, responsible for developing the Aviation Market sector for HDR within the Gulf Coast area.

Prior to joining HDR, Ms. Armstrong received a Bachelor of Science in Airway Science Management, and a Master of Science in Transportation Planning and Management; both degrees were obtained from Texas Southern University. Ms. Armstrong began her career as an intern with the Metropolitan Transit Authority of Harris County (METRO) and progressively came to hold the Senior Environmental Planner position. In this role, she was responsible for ensuring environmental compliance on several of METRO's projects, including the Main Street, Southeast, East End, and North Corridor rail lines as well as various METRO park & rides. Ms. Armstrong's commitment to excellence is standard in every aspect of her life and she abides by the scripture, for unto whomsoever much is given, of him shall be much required.

She is an active member of Wheeler Avenue Baptist Church and has served and continues to serve in several ministries, such as the Courtesy Corp, Pack 242 Cub Scouts, Troop 242 Boy Scouts, the Women's Guild, and Women's ministry.

Ms. Armstrong is a founding member of the Houston Chapter of Women's Transportation Seminar, currently serves as the Chapter's Membership Chair and was just recently elected to the Board of the Houston Chapter and will serve as Director of Membership for the upcoming 2016 calendar year.

She is also very pleased to have served as Co-Chair of the Executive Steering Committee for the College of Science, Engineering and Technology Alumni Chapter of Texas Southern University and currently serves as Secretary of the COSET Alumni Chapter. Ms. Armstrong has one son, Kennedey and enjoys supporting him in his athletic and scouting achievements. She is an avid reader and enjoys traveling and listening to jazz in her spare time.

# COSET ADMINISTRATION



Lei Yu  
Professor and Dean

OFFICE OF THE DEAN



Oscar H. Criner  
Professor and Interim  
Associate Dean



Shishir Shishodia  
Associate Professor and  
Interim Associate Dean



Desirée A. Jackson  
Associate Professor and  
Assistant Dean



Evangeline Pearson  
Director of Advisement



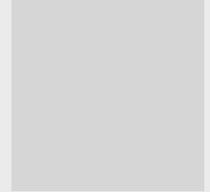
Charlotte Whaley  
College Business Admin. III



Dolly Spencer  
Sr. Administrative Assistant



Tioka Freeman  
Administrative Assistant



TBA  
Tech. Support Specialist

## AVIATION SCIENCE AND TECHNOLOGY



David Olowokere  
Professor and Interim  
Chair



Gertrude Florent  
Administrative Assistant

## BIOLOGY



Warren E. Williams  
Associate Professor and  
Interim Chair



Helen P. Cockrell  
Administrative Assistant

## CHEMISTRY



John B. Sapp  
Professor and Chair



Delois S. Johnson  
Administrative Assistant

## COMPUTER SCIENCE



Wei Wayne Li  
Professor and Interim  
Chair



Nadereh Jahedmotlagh  
Administrative Assistant

## ENGINEERING



David Olowokere  
Professor and Chair



Lulueua A. Nasser  
Administrative Assistant

## ENVIRONMENTAL & INTERDISCIPLINARY SC.



Shishir Shishodia  
Associate Professor and  
Interim Chair



Rachel Mizzell  
Administrative Assistant

## INDUSTRIAL TECHNOLOGY



Jessie E. Horner  
Associate Professor and  
Interim Chair



Lulueua A. Nasser  
Administrative Assistant

## MATHEMATICS



A. Serpil Saydam  
Associate Professor and  
Chair



Nia Eakins  
Administrative Assistant

## PHYSICS



Carlos Handy  
Professor and Chair

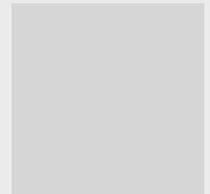


Gertrude Florent  
Administrative Assistant

## TRANSPORTATION STUDIES

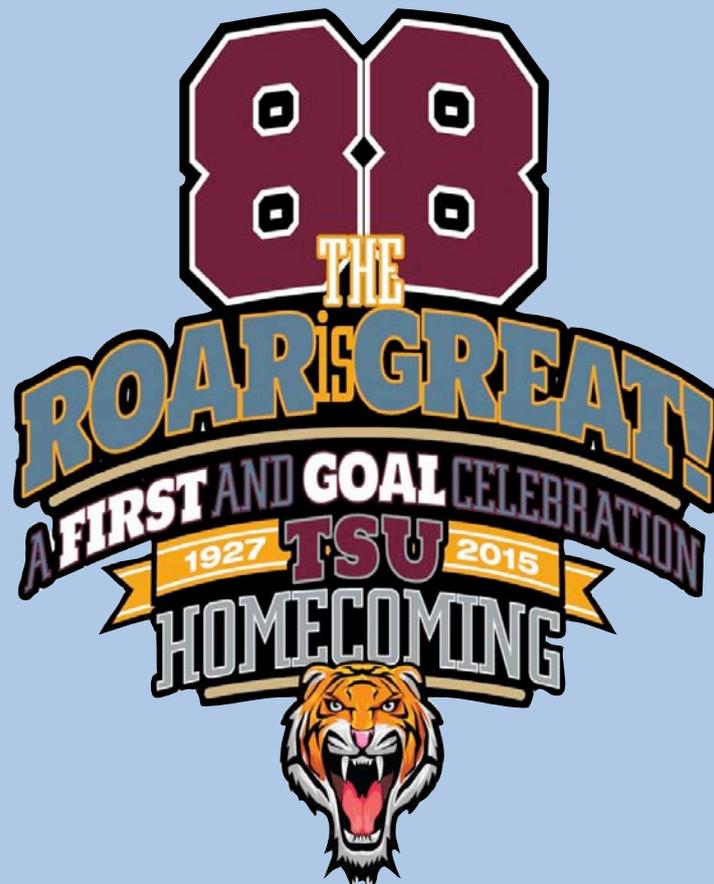


Yi Qi  
Associate Professor and  
Chair



TBA  
Administrative Assistant

*STEM Excellence Moving Forward-  
Next Steps....*



[WWW.COSET.TSU.EDU](http://WWW.COSET.TSU.EDU)

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY  
TEXAS SOUTHERN UNIVERSITY  
3100 CLEBURNE STREET  
HOUSTON, TEXAS 77004  
TEL: 713 313 7009 | EMAIL: COSETINFO@TSU.EDU