Full STEM Ahead

BEYA 2017 PRESS KIT

www.beya.org  facebookcom/USBEIT  twitter.com/diversitynews  youtube.com/lexusccg2514
Science, technology, engineering and math (STEM) professionals will gather at the 31st Annual BEYA STEM Conference, scheduled for February 9–11, 2017, at the Washington Marriott Wardman Park in Washington D.C.

The BEYA STEM Conference, which is hosted by Career Communications Group’s US Black Engineer & Information Technology magazine, Lockheed Martin Corporation, and the Council of Engineering Deans at Historically Black Colleges and Universities, and sponsored by Aerotek, is a talent-rich environment for recruitment, networking and professional development. In attendance are college representatives, professionals and students in STEM disciplines and careers.

Students can attend the Career Fair and meet employers, take advantage of onsite resources designed to enhance job search, as well as to get tools for a successful STEM career. Sponsors and exhibitors will recruit new hires.

Other events at BEYA that you will want to check out are the professional development seminars and workshops, and HBCU Engineering school presentations, which provide an opportunity to learn about the cutting-edge research that are taking place at historically black colleges and universities (HBCUs).

The BEYA STEM Pre-College Program is an opportunity to connect with organizations that are working to build tomorrow’s STEM workforce. And whether you are in the job market or not, don’t miss the Career Fair. It is often the place to sample some new technologies and experience best practices in the industry. BEYA STEM offers training, networking, role models, mentors, and inspiring awards events. Registration is now open at the BEYA STEM Conference.

**Location and Contacts**

**Conference Dates:** February 9–11, 2017  
**Conference Location:** Washington Marriott Wardman Park, 2660 Woodley Road NW Washington DC, 20008  
**Conference Co-hosts:** Lockheed Martin Corporation, The Council of HBCU Engineering Deans, US Black Engineer & Information Technology magazine.

**Sponsored by:** Aerotek

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Facts and Figures

Addressing the inequities of diversity in technology and science is the goal of BEYA. As the United States of America continues to graduate fewer engineers when compared to countries like China and India, our nation will continue to see our presence as a global power diminish.

By increasing the awareness of this key pipeline issue and highlighting the business and economic imperatives for including all of our population in the STEM workforce, BEYA can help provide opportunities and inspiration for our current and future workforce.

- The United States graduates roughly 70,000 engineers each year while China produces 600,000 and India produces 350,000.

- Although African Americans make up about 13 percent of the U.S. population, they earned just 5.2 percent (3,673) of the engineering degrees awarded to U.S. citizens (70,749) in 2006.

- Hispanic Americans, representing about 14 percent of people in the United States, earned approximately 7 percent (4,957) of engineering degrees. Asian Americans, by contrast, make up a little more than 4 percent of the population, but received 13.7 percent (9,719) of those degrees during the same year.

- According to a study by the Inside Hire Ed, only 22 percent of Latino students, 18 percent of Black students, and 19 percent of Native American students that enter college with a STEM major graduate with a STEM degree within five years. Over 33 percent of Caucasian students and 42 percent of Asian students graduate with STEM degrees within five years.

- U.S. undergraduate engineering majors are a shrinking proportion of the total, down from 6.8 percent to about 4.5 percent over the past 20 years.

- Minority students are more than twice as likely to switch to other majors, as are white and Asian students.

- According to a survey by Diverse Education, 77 percent of people surveyed said significant numbers of women and underrepresented minorities are missing from the U.S. STEM work force today because they were not identified, encouraged or nurtured to pursue STEM studies when they were young.

- 40 percent of women and underrepresented minority engineers reported that they had been subjected to discouragement during their STEM education and career.

- Turnover costs employers. Turnover costs range between 150 and 193 percent of a manager’s or professional’s annual salary.
Career Communications Group, Inc., is an industry-leading media company that supports companies and employers in promoting multiculturalism and diversity in STEM (science, technology, engineering and mathematics) fields through major national conferences, publications and websites.

As nationally-renowned experts and thought leaders in the field, Career Communications Group (CCG) delivers broad-based, creative diversity solutions to employers, as well as provide consultative support and expertise with their internal strategies and programs.

CCG is a multifaceted organization that has two primary components. Our for-profit side promotes workforce diversity through quality publications, national conferences and interactive websites. These provide key channels and forums for professionals from under-represented communities to network, communicate and interact, as well as venues for recognition. Our non-profit side helps increase student (K-12) awareness and future participation in STEM fields.

CCG publishes three highly recognized magazines:
- US Black Engineer & Information Technology
- Women of Color Magazine
- Hispanic Engineer & Information Technology

CCG produces two national conferences:
- BEYA STEM Conference
- Women of Color STEM Conference

CCG publishes several websites, including www.ccgmag.com and www.blackengineer.com

About Council of Engineering Deans of the Historically Black Colleges and Universities
Focusing on the HBCUs that make up the Council of Engineering Deans is strategic and cost-effective because they graduate a significant number of minority engineers. Through cultivating partnerships with HBCUs, employers can attain a truly diverse workforce—a necessary ingredient for the future. Diversity is what keeps engineering innovations and designs in tune with the diverse society they represent.

About Lockheed Martin Corporation
Lockheed Martin is a global security company that employs about 123,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.
The BEYA STEM Selection Committee Announces Dr. Eugene DeLoatch Will Receive 2017 Black Engineer of the Year Award

Baltimore, October 2016—The BEYA STEM Selection Committee has voted to present the 2017 Black Engineer of the Year Award to veteran educator Dr. Eugene M. DeLoatch for bringing about progress in higher education during his 50-year career. The 31st BEYA will be presented at BEYA STEM’s 31st Annual Conference at the BEYA Gala on Saturday, February 11, at the Washington Marriott Wardman Park Hotel in Washington D.C.

Dr. Eugene M. DeLoatch is an engineering icon. At the time of his historic election to the presidency of the American Society of Engineering Education in 2002, he became the first African American to hold that position. As dean of the Clarence M. Mitchell, Jr. School of Engineering at Morgan State University, he has earned a reputation for excellence in the preparation of undergraduate and graduate students since its inception in 1984. Prior to beginning his service at Morgan, Dr. DeLoatch spent 24 years with Howard University. His last assignment was as chairman of the Department of Electrical Engineering, a position he held for nine years. Dr. DeLoatch has also served as dean of the Council of Engineering Deans of the Historically Black Colleges and Universities, which plays a key role in the progress of minorities in American science and technology.

Thirty outstanding professionals in science, technology, engineering, and math (STEM) from over 20 U.S. employers have been awarded the BEYA between 1986 and 2015. In addition to the Black Engineer of the Year Award, the highest honor given at the BEYA STEM Conference, more than 100 scientists and engineers will receive 31 category awards and special recognition honors at the 2017 BEYA STEM Conference.

See full list of 2017 BEYA STEM nominees.

###
2017 BEYA STEM Winners

Black Engineer of the Year
EUGENE DELOATCH
Dean, School of Engineering
Morgan State University

Career Achievement
PREM JAIN
Modeling and Simulation Engineer, Principal
MITRE Corporation

ALBERT SPENCER
Chief Engineer
National Oceanic and Atmospheric Administration
National Weather Service

Career Achievement - Government
ALLEN PARKER
Research Engineer
Embedded Systems and Sensor Group

Career Achievement - Industry
STEVEn HILL
Director, Communications and Security Technologies
Lockheed Martin Corporation

Community Service - Government
DWAYNE NELSON
V42 Deputy Department Information Officer
Naval Surface Warfare Center Dahlgren Division

Community Service - Industry
JOANEE JOHNSON
Manager, Mission Assurance
Northrop Grumman

Corporate Promotion of Education
JANET SELLARS
Director, Office of Education
NASA Langley Research Center

Dave Barclay Affirmative Action
CHAVIS HARRIS
Director Ethics
Huntington Ingalls Industries

Most Promising Engineer - Government
KWAME MARSHALL
Electrical Engineer
Naval Air Systems Command Avionics Division

JUSTIN JAMES
Principal Investigator/Co-Principal Investigator for Research & Development
Space and Naval Warfare Systems Center Pacific

Most Promising Engineer - Industry
TERRANCE MOORE
Advanced Technical Leadership Program Senior
Lockheed Martin Aeronautics Company

Most Promising Engineer - Industry
BRANDON JONES
Systems Engineer
The Boeing Company

Outstanding Technical Contribution
BLAKE KIMBROUGH
Systems Director, FBI Programs
The Aerospace Corporation

Outstanding Technical Contribution - Government
DONALD WALLEY
FMS Chief Engineer, THAAD Project Office
Missile Defense Agency

Outstanding Technical Contribution - Industry
YOLANDA MACK
Principal Systems Engineer
Raytheon

Professional Achievement - Government
EVA BROWN
Senior Project Manager
U.S. Nuclear Regulatory Commission

EVERTT ROPER
Joint Attack Munitions Systems Launcher and Test Set Principal Engineer
Joint Attack Munitions Systems Director, Systems Engineering

Professional Achievement - Industry
KERRON DUNCAN
Manager, Mission and Model Based Engineering
Northrop Grumman

Professional Achievement - Industry
ANTHONY METOYER
Director, Operations and Compliance, Boeing Research & Technology
The Boeing Company

Technical Sales and Marketing
MIKE BELL
Senior Principal Architect
AT&T

JACQUELINE WOODS
VP & CMO, IBM Global Financing
IBM Corporation

Research Leadership
AUSTIN HAYGOOD
Senior Systems Engineer II
Raytheon Missile Systems

VICTORIA MOORE
Supervisor Research Civil Engineer
U.S. Army Engineer Research and Development Center

Senior Investigator
MONICA ALLEN
Senior Research Electronics Engineer
Air Force Research Laboratory (Munitions Directorate)

Senior Technology Fellow
GEORGE PARKER
Technical Fellow, Boeing Designated Expert, Technical Lead Engineer
The Boeing Company

Special Recognition
PATTY MEGGS
Senior Manager- Sales Operations
AT&T

GEORGE WHITE
Proposal Manager
Black & Veatch

PRIYA KHANCHANDANI
Senior Design Quality Engineer
Boston Scientific Corporation

DEMICA ROBINSON
Cyber security/Interoperability Technical Expert
Department of Defense/United States Air Force

EDWARD BAINE
Senior Vice President-Distribution
Dominion Virginia Power

GEORGE SEY
Senior Engineer
Exelon Company

YOGHANA MERCER-BEY
Senior Program Director
General Dynamics Information Technology

KERRON DUNCAN
Manager, Mission and Model Based Engineering
Northrop Grumman

Technical Sales and Marketing
MIKE BELL
Senior Principal Architect
AT&T

JACQUELINE WOODS
VP & CMO, IBM Global Financing
IBM Corporation

Research Leadership
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