

## SPEAKERS (Continued)

**DR. ERNEST MCDUFFIE** is the Lead for the National Initiative for Cybersecurity Education, National Institutes of Standards and Technology (NIST). In early 2010, NIST was selected as the lead agency for the National Initiative for Cybersecurity Education (NICE); NICE identified Dr. McDuffie to be the Lead for this effort. In his previous position, he had been appointed the Associate Director of the National Coordination Office for Networking and Information Technology Research and Development. From early September 2009 until early November 2009 he served as its Acting Director. He also served as the Deputy Director of the Office of Naval Research – Science and Technology for America's Readiness (N-STAR) Initiative, and before that as the Lead Program Director for the Federal Cyber Service: Scholarship for Service Program at the National Science Foundation.

**DR. MAUREEN MCMAHON** is the Assistant Superintendent for Advanced Studies & Programs for Anne Arundel County Public Schools. Dr. McMahon earned her Bachelor's and Master's degrees in Chemistry from the University of Maryland College Park and Villanova University, respectively. After years of high school science teaching, she returned to UMCP to earn her PhD in Science Education. She has held tenure-track faculty positions at the University of California, Davis and California State University, Long Beach. Her career has included a focus on student-centered interdisciplinary teaching and learning, the meaningful infusion of technologies into STEM learning environments, and online/blended learning. McMahon currently serves as an Assistant Superintendent in Anne Arundel County Public Schools, one of Maryland's largest school districts.

**MS. NICOLE MCNEIL**, Principal of SHABACH! Christian Academy, is considered an authority on the application of brain research to organizational health. She brings over 20 years of experience to SHABACH!, and is responsible for providing training for the staff. A skilled coach of educators, parents, and both school and business leaders, she has presented workshops and keynote addresses throughout the US for ten years and has worked internationally. Nicole began her career as a classroom teacher in Brooklyn, New York. Considered a Master Teacher, she has been instrumental in effecting successful comprehensive school reform at both the elementary and secondary levels. Nicole has a Master's of Secondary Administration from the University of Missouri – Kansas City.

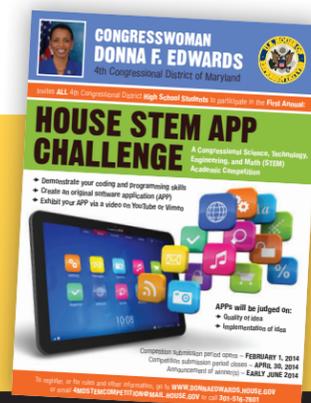
Go to [www.donnaedwards.house.gov](http://www.donnaedwards.house.gov) to register for the 2014 Congressional Science, Technology, Engineering, and Math (STEM) Academic Competition, also known as the **House STEM App Challenge**. This competition is designed to engage the creativity of students and encourage their participation in STEM fields. Established by Members of Congress in 2013, this new competition is a nationwide event that allows students from across the country to compete by creating and exhibiting their software application for mobile, tablet, or computer devices on a platform of their choice. All entries must be submitted by April 30, 2014. Participants must be high school students who are at least 13 years old as of February 1st in order to enter.

For more information visit [WWW.DONNAEDWARDS.HOUSE.GOV](http://WWW.DONNAEDWARDS.HOUSE.GOV) or call **301-516-7601**.

**MS. THERESA PETERSON**, Senior Executive of External Affairs and Technology Programs. Theresa is responsible for leading both GE Global Research Center's (GRC) government technology portfolio in Washington, DC and the company's strategic initiative to build and expand its external research and development (R&D) partnerships within the U.S. and around the world. Theresa's strong ability to work with others and build consensus, makes her the ideal choice to lead this vital effort for GE. "Theresa has a proven track record of expanding GE's R&D partnership opportunities with industry, university and government partners in Washington DC," said Mark Little, Senior VP and Chief Technology Officer of GE Global Research.

**MS. BECKY PRINGLE**, Secretary-Treasurer, National Education Association, oversees NEA's multi-million dollar budget and the organization's fiscal integrity. She has been integral to the success of NEA's work to transform the education professions and improve student learning. Most notably, she led the workgroup that produced the Association's groundbreaking Policy Statement on Teacher Evaluation and Accountability – NEA's first broad endorsement of the need for a student-centered, educator-led evaluation and shared accountability system. A middle school teacher with 31 years of classroom experience, Pringle has distinguished herself as a thoughtful, passionate advocate for educators and students, focusing on diversity issues, student achievement, and developing future leaders.

**MS. CASSANDRA WATSON**, a Sr. Communications and Public Relations Manager at Raytheon Intelligence, Information and Services (IIS), has more than 25 years of experience in implementing and managing communication programs for Fortune 500 companies and the federal government. Prior to joining IIS, Watson was the organizational communications manager at Raytheon Integrated Defense Systems supporting the CIO, CFO and vice president of supply chain. She has also worked for Duke Energy and United Technologies Corporation (UTC)/Carrier Corporation. Watson holds a bachelor's in journalism and public relations from Florida A&M University, and a master's in human resource management from Marygrove College.



# Blastoff!

Encouraging Young People to Enter and Stay in the Science, Technology, Engineering, and Math Fields



Hosted by  
**Congresswoman  
Donna F. Edwards (MD-4)**



**March 4, 2014 | 8:45 a.m. to 1 p.m.**  
2168 Rayburn House Office Building



Representatives from education, industry, government, and nonprofits, as well as students from the 4th Congressional District, will discuss how we can work together to find and form STEM talent, build the STEM workforce, and form successful partnerships.

**ANNE ARUNDEL COUNTY OFFICE**  
877 Baltimore Annapolis Blvd., Unit 101  
Severna Park, MD 21146  
410-421-8061

**CAPITOL HILL OFFICE**  
2445 Rayburn HOB  
Washington, DC 20515  
202-225-8699

**PRINCE GEORGE'S COUNTY OFFICE**  
5001 Silver Hill Rd., Suite 106  
Suitland, MD 20746  
301-516-7601

## PROGRAM

### WELCOME/REMARKS

**The Honorable Donna F. Edwards**

### KEYNOTE/MODERATOR

**Dr. Juliette B. Bell**

President, University of Maryland, Eastern Shore

### PRE-COLLEGE CHALLENGES TO FINDING AND FORMING STEAM TALENT

#### Moderator:

**The Honorable Donna F. Edwards**

#### Speakers:

**Ms. Sandra Johnson Austin**

National Action Council for Minorities in Engineering

**Dr. Robert Spurrier Boege**

The Alliance for Science & Technology Research in America

**Dr. Kevin Maxwell**

Prince George's County Public Schools

**Ms. Nicole McNeil**

SHABACH! Christian Academy

**Ms. Becky Pringle**

National Education Association

### TURNING CHALLENGES INTO POSSIBILITIES: THE NEXT GENERATION

#### Moderator:

**Ms. Theresa Peterson**

General Electric Global Research

#### Speakers:

**Ms. Evelina Felicite-Maurice**

National Aeronautics and Space Administration

**Ms. Ashley Jones**

Morgan State University

**Mr. Pat McCarthy**

Exxon/Mobil Foundation

**Mr. Ernest McDuffie**

National Initiative for Cybersecurity Education, NIST

**Dr. Maureen McManhoo**

Anne Arundel County Public Schools

**Ms. Cassandra Watson**

Raytheon Company

### CLOSING

**Ms. Julie Silard Kantor**

STEMconnector

### NETWORKING LUNCH

## BIOGRAPHIES

**CONGRESSWOMAN DONNA F. EDWARDS** represents Maryland's 4th Congressional District, comprising portions of Prince George's and Anne Arundel Counties. She was sworn in after a special election to become a member of the U.S. House of Representatives in the 110th Congress in June 2008, becoming the first African American woman to represent Maryland in Congress. She began her first full-term in the 111th Congress in 2009. Congresswoman Edwards has enjoyed a diverse career as a nonprofit public interest advocate and in the private sector on NASA's Spacelab project. In 1994, as co-founder and executive director of the National Network to End Domestic Violence, she led the effort to pass the Violence Against Women Act that was signed into law by President Clinton.

Since being sworn in, Congresswoman Edwards has secured a number of legislative accomplishments to improve the lives of working families in her Congressional District and around the country. Her first act as a Member of Congress was to add Maryland to the Afterschool Suppers Program, ensuring access to nutritional suppers to afterschool and youth development programs in schools located in low-income areas. During the health care debate, Congresswoman Edwards secured a provision that holds insurance companies accountable for unjustifiable rate increases. Congresswoman Edwards has introduced legislation to expand research and development, domestic manufacturing, and infrastructure spending to create jobs and grow our economy. She was also the first Member of the House to introduce and champion a constitutional amendment to overturn the Supreme Court's Citizens United decision.

In the 113th Congress, Congresswoman Edwards serves:

*On the Transportation and Infrastructure Committee where she sits on:*

- The Subcommittee on Highways and Transit
- The Subcommittee on Water Resources and Environment
- The Subcommittee on Economic Development, Public Buildings, and Emergency Management

*On the Science, Space, and Technology Committee where she sits on:*

- The Subcommittee on Space - Ranking Member
- The Subcommittee on Environment

*As a member of the Tom Lantos Human Rights Commission.*

Rep. Edwards completed undergraduate studies at Wake Forest University and received her Juris Doctor from the University of New Hampshire School of Law (formerly the Franklin Pierce Law Center). She is the proud mother of one son.

## SPEAKERS

**SAUNDRA JOHNSON AUSTIN**, Senior Vice President for Operations the National Action Council for Minorities in Engineering, Inc. (NACME). She received a B.S. in Civil Engineering from The Pennsylvania State University; and an M.B.A. from the University of Notre Dame. She was President and CEO for St. Michael's High School in Santa Fe, N.M.; and Executive Vice President for the Community Partnership for Lifelong Learning in Benton Harbor, Mich.; and Executive Director of the National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc. (GEM). She served as Director of the Minority Engineering Program at Penn. State; and worked at Bechtel Power Corporation. She's an advocate for underrepresented minorities in STEM education.

**DR. JULIETTE B. BELL** is President, University of Maryland, Eastern Shore (UMES), a historically black, land-grant institution founded in 1886. Bell earned a bachelor's degree in chemistry and valedictorian honors from Talladega College in her Alabama hometown. After completing her Ph.D. in chemistry at Atlanta University, she conducted postdoctoral studies at the University of North Carolina-Chapel Hill. Widely known for encouraging minorities to pursue careers in science, Bell's career as a researcher and educator spans more than two decades. She held leadership positions at Fayetteville State (NC), Winston-Salem State (NC) and Central State (OH) universities before joining UMES.

**DR. ROBERT SPURRIER BOEGE** is the Executive Director of The Alliance for Science & Technology Research in America. ASTRA is a collaboration of more than 127 companies, academic institutions, professional and trade associations focused on increasing federal research support for the physical sciences, mathematics and engineering. ASTRA also has about 40,000 scientists, engineers and technologists among its "Friends" list. Boege attended Georgetown University and the Université de Fribourg, Switzerland as an undergraduate. An honors graduate of Georgetown University Law School, Boege has served in various positions within the government, nonprofit sector and industry. He has published extensively in the areas of nonprofit taxation and antitrust law. Boege created the publication *Association Law & Policy* and served as its editor for 11 years.

**MS. EVELINA FELICITE-MAURICE** is a dynamic and energetic professional development researcher and trainer specialist for NASA Goddard Space Flight Center. She works with the Internship and STEM Academic Experiential Learning Opportunities Program for high school and college students and with the NASA GSFC Educator Professional Development (EPD) to advance educators in science, technology, engineering and mathematics education (STEM) by leveraging NASA's unique resources with four integrated delivery mechanisms: NASA Facility Face-to-Face (F2F) Institutes, Partner-Delivered, Online, and Community-Requested. Dr. Félicité-Maurice has a B.A. from the University of Puerto Rico, and MA from the University of Maryland, College Park and a PhD from the University of Colorado, Boulder.

**MS. ASHLEY JONES**, a native of Baltimore, Maryland, currently is working on obtaining her bachelor's of science degree in Transportation Systems Engineering at the Clarence M. Mitchell, Jr. School of Engineering at Morgan State University. Throughout her academic career, she has the privilege to be a NASA Science Engineering Mathematics and Aerospace Academy (SEMMA) Next Generation Pioneer, and a Pre-Accelerated Curriculum in Engineering (PACE) scholar. She earned a certificate of completion from the NASA Robotics Academy. Her previous success led her to her growing research interests in Geographical Information Systems (GIS). Her focus is 3D spatial imaging of Baltimore's infrastructure by using 3D printing, lighting, and geospatial mapping on polymers.

**MS. JULIE SILARD KANTOR**, Chief Partnership Officer of STEMconnector® and Million Women Mentors. Julie Kantor is a veteran leader and tireless ambassador of the education, entrepreneurship and building America's skilled workforce serving in CXO roles since 1992. As Chief Partnership Officer at STEMconnector, Kantor brings together corporate America, government, higher education and national non-profits as members to better convene key players in the STEM Universe. One initiative that Kantor is particularly focused on through STEMconnector and over 50 major national partners is the building of Million Women Mentors (STEM Mentoring) to build the pipeline of girls in STEM and recently launched [www.millionwomenmentors.org](http://www.millionwomenmentors.org) with a call to action for the country. Kantor was recognized by President Obama for her 20 year career in education in April of 2012.

**DR. KEVIN M. MAXWELL** was named CEO of Prince George's County Public Schools (PGCPS) in July 2013. A long-time resident, he graduated from the school system and is a parent to PGCPS graduates. He also began his career in PGCPS, spending 22 years as an educator and administrator. He also served as principal and administrator for Montgomery County Public Schools, moving on to serve as superintendent for Anne Arundel County Public Schools from 2006-2013. Dr. Maxwell earned his doctorate degree from the University of Maryland Baltimore County and his master's and bachelor's degrees from the University of Maryland College Park.

**MR. PAT MCCARTHY** is the Executive Director of the ExxonMobil Foundation. The Foundation focuses on three signature programs – combating malaria; promoting women as catalysts for economic development; and enabling student achievement and teacher quality, particularly in the STEM subjects. Since joining ExxonMobil in 2001, Pat has held several roles in Houston, London and Dallas. He was named to his current position in July 2012. Pat graduated from the University of Richmond (VA) in 1994 with a bachelor's degree in journalism, cum laude. He earned his Master's degree in communications from LSU in 1999. Pat and his wife live in the Dallas area and have two young sons.