Panelists and Discussion Leaders
GW STEM Symposium, October 22, 2018

Keynote Speaker

Dr. Grace E. Henry
Director of Diversity & Inclusion, The George Washington University
Ed.D in Higher Education Administration, The George Washington University;
M.Ed in Counseling Psychology, Howard University;
B.S. in Psychology, Howard University

Dr. Henry has worked for The George Washington University for more than 19 years in the areas of student activities, freshman orientation, student leadership, residential life, and multicultural services. She has been an active participant in diversity activities during her time here at GWU, most recently as a member of the President’s Council for Diversity and Inclusion’s Research and Evaluation workgroup. Dr. Henry was appointed to her current position as Director in 2013.

Panelists*
*Listed alphabetically by last name

Dr. Greg Allen
Environmental Scientist, US Environmental Protection Agency (EPA)
MS in Engineering Management, The George Washington University;
BA in Biology, Northeastern University

In addition to working as an environmental scientist, Dr. Allen will very soon defend a dissertation for a PhD in organizational leadership at University of Maryland Eastern Shore. Greg has been in the environmental industry for over thirty years and currently works for EPA’s Chesapeake Bay Program, which employs a very wide variety of STEM expertise in the science and computing sectors.
Zoe Bilis  
**Biomedical Engineer Technician, Uniformed Services University of Health Sciences**  
BS in Biomedical Engineering, The George Washington University  

In her role as a biomedical engineer technician, Ms. Bilis works in the Center for Rehabilitation Sciences Research (CRSR) basic science laboratory at the Uniformed Services University of Health Sciences (USUHS). The lab’s biomedical research focus targets the use of 3D printing and bioprinting technologies in support of regenerative medicine projects, including neuro-regeneration, orthopedic tissue repair, and biomaterials design. In her position, Ms. Bilis has gained expertise in the design and execution of multi-variable experiments, data collection with statistical analysis, DoD and NIH grant writing skills, as well as lab managerial skills. In August 2018, Zoe attended the Military Health Sciences Research Symposium in Orlando, FL, where she presented a poster on her current research.

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Eve Boyle  
**5th Year Human Paleobiology PhD Candidate, GWU Anthropology Department**  
BA in Anthropology, Boston University  

In 2016, Ms. Boyle was awarded a Graduate Research Fellowship by the National Science Foundation to pursue her graduate research that explores whether diet and gut size are related to torso shape in primates. Additionally, she was the co-founder and co-organizer of the GW STEM Symposium series in 2015.

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Gene Colabatistto  
**Group President, Defence & Security Group, CAE**  
MS in Electrical Engineering, The George Washington University;  
MS in Systems Management, University of Southern California;  
BS in Aerospace Engineering, University of Southern California  

Mr. Colabatistto has more than 25 years experience in the global defence industry, and has held leadership positions in both the military and the private sector. Before joining CAE, he was a Senior Vice President in the Intelligence, Surveillance and Reconnaissance (ISR) Group at Science Applications International Corporation (SAIC) - a leading provider of scientific, engineering, systems integration and technical services. He was responsible for the growth of their ISR and Cybersecurity businesses.  

Additionally, he previously served as President of Olive Group North America, Space Imaging Solutions, and SPOT Image Corporation. He is a member of the Intelligence and National Security Alliance (INSA), Armed Forces Communications-Electronics Association (AFCEA), National Defense Intelligence Association (NDIA), United States Geospatial Intelligence
Foundation (USGIF), American Institute of Aeronautics and Astronautics (AIAA), and the Institute of Electrical and Electronics Engineers (IEEE).

Joseph Crandall  
**Electrical Engineering Master’s Candidate, GWU Department of Electrical & Computer Engineering**  
BS in Computer Science & Physics, The George Washington University

For his current master’s research, Mr. Crandall is working on optical computing research in the OPEN (Orthogonal Physics Enabled Nanophotonics) Lab under principal investigator Volker Sorger. When he graduates in December, he will begin working at the NSA as a Data Scientist, as well as pursuing a part time PhD at GW, continuing his optical computing research in the OPEN Lab.

In addition to his current research, Mr. Crandall has worked in energy harvesting research under Dr. Saniya Leblanc, and robotics and computer vision research under Dr. Rahul Simha. He has held intern positions in the domestic public sector at Oak Ridge National Lab of the Manufacturing Demonstration Facility, in the international public sector at ITER - the nuclear fusion research and engineering mega project, and in the private sector at ARUP - the multinational engineering, design, and planning firm.

Andrew Lacher  
**Lead Research Strategist, The MITRE Corporation**  
MS in Operations Research, The George Washington University;  
BS in Electrical Engineering, The George Washington University

Mr. Lacher has over 30 years of systems engineering experience, mostly in the aviation and transportation systems domain. In his current leadership role at The MITRE Corporation, he works in unmanned and autonomous systems, where he is focused on the safe and secure integration of Unmanned Aircraft Systems (UAS) in civil airspace, as well as methods to calibrate the trustworthiness of autonomous systems.

Much of Mr. Lacher’s research and analysis activities involve improving the safety, security, and efficiency of aviation operations through the application of new information technologies. Previously, he worked on the definition of NextGen as part of the Joint Program and Development Office and was a thought leader in the area of future Traffic Flow Management concepts including Collaborative Decision-Making. He serves on a number of committees, standards working groups, and external research advisory panels, including the FAA’s RE&D Advisory Committee for Aircraft Safety.
Darryl Nelson
Engineering Fellow, Analytics & Sensing Capability Center Lead, Raytheon
MS in Engineering, Texas Tech University; BS in Biology & Chemistry, University of North Texas

Mr. Nelson is a proven technical leader with real world experience leading innovative software product development teams focusing on strategic product leadership & management, software system architecture, and Agile analytics project management, among others. He has successfully led teams of over 30 developers, and works to incorporate new industry advancements through conducting extensive technical research.

In his practice, he uses a customer-centric approach to design and implement new large scale systems for mission critical environments. Some of his specialties include distributed & scalable architectures (Cloud & Bare Metal), Spark, Kafka, Hadoop, HBase, Accumulo, Elasticsearch, Solr, SaaS, SOA, RESTful web services, OOAD, and UX design.

Kim Scarborough
Cosmetic Chemist, U.S. Food and Drug Administration (FDA)
MBA in Marketing & Marketing Management, Loyola University Maryland; BS in Chemistry, Industrial, and Physical Pharmacy & Cosmetic Sciences, Morgan State University

In her current role in the Center for Food Safety and Applied Nutrition (CFSAN), Ms. Scarborough works on the Cosmetics Regulatory Activities Team, where she provides technical guidance and responses to reporters, public relations officers, congressional offices, and other external entities inquiring about regulation, formulation, and oversight of cosmetics.

In addition to her current and previous roles for the Federal Government, she has 15 years of combined experience from the corporate/private sector as a successful cosmetic chemist and as an accomplished marketing executive. Her current community service activities include serving as a member of the Board of Directors for the Baltimore Hunger Project, as well as serving on the Eastern Region Leadership Team for Delta Sigma Theta Sorority, Inc.

Ahmed Weshahy
Mechanical Engineer Associate, M.C. Dean Inc.
BS in Mechanical Engineering, The George Washington University

During his time at GWU, Mr. Weshahy was an Undergraduate Research Assistant at the Computational Materials Science Lab, as well as a Fellow at the GWU Nanotechnology Fellows Program. After graduating from GWU SEAS in 2017, Mr. Weshahy quickly began work in his current role
at M.C. Dean Inc., an electrical contractor based in Virginia with government and commercial business contracts worldwide.

He currently works within the Operations and Maintenance Group under the Service and Critical Support Division. At present, he is a project superintendent for the IDIQ construction renovations team, which runs over 80 projects from the Washington Headquarters Services Mark Center in Alexandria, Virginia, a Pentagon-affiliated building for DoD personnel.

Shurronne Young-Davis
Chief Enterprise Architect, Engineering Consulting Firm
MBA in Strategic Management & Operations, The Johns Hopkins University; MSc in International Political Economy, Massachusetts Institute of Technology; BA in International Relations & Affairs, Lincoln University

As CEA, Ms. Young-Davis is accountable for the strategic direction and technical operations management of industrial systems. She leads the architecture and engineering efforts for improving the cyber security infrastructure and domain capabilities across multiple Enterprise networks. She also works to implement NextGen operational platforms to ensure that cyber security standardization, compliance, and operational integrity is sustained for National Security clients.

Her industry recognition awards include Engineer of the Year, Modern Day Technology Leader, President’s Excellence Award, Technical Professional Fellow, and MIT Fellow.

Gloria Zhang
Career Mentor & Recruiter, Ascending LLC
MA in International Affairs, The George Washington University; MS in Management Psychology & Organizational Behavior, Peking University; BA in Business Administration, Anhui Polytechnic University

With over a decade of experience across 4 countries, Ms. Zhang brings expertise in psychometrics, business development, personal branding, marketing, and communication in the globalized market, to her role where she is responsible for helping and prepping job seekers to land ideal offers in the IT industry.