

**AMELIA ESTWICK, PHD, DIRECTOR, NATIONAL CYBERSECURITY INSTITUTE AT EXCELSIOR COLLEGE, FACULTY PROGRAM DIRECTOR, SCHOOL OF GRADUATE STUDIES, MASTER'S IN CYBERSECURITY PROGRAM**

**BEFORE THE U.S. HOUSE OF REPRESENTATIVES HOMELAND SECURITY SUBCOMMITTEE ON**

**CYBERSECURITY, INFRASTRUCTURE PROTECTION AND INNOVATION**

**“GROWING AND DIVERSIFYING THE CYBER TALENT PIPELINE”**

**May 21, 2019, 2:00 PM | 310 Cannon House Office Building**



Dr. Amelia Estwick is a Southern University at New Orleans (SUNO) alumna, graduating Magna Cum Laude with her Bachelor of Science degree in Computer Information Systems in 1998. During her senior year at SUNO, Dr. Estwick was awarded the prestigious National Physical Sciences Consortium (NPSC) Fellowship, one of only twelve fellowships awarded nationally that year. The NPSC Fellowship, sponsored by the National Security Agency (NSA), funded her graduate education as she pursued and completed her Master's and Doctorate degrees in Computer Science at the George Washington University in Washington, DC.

Dr. Estwick spent over 15 years with the NSA conducting research and leading technical teams. She was the first African-American woman to graduate from their Computer Network Operations

Development Program; which was a three-year intense cyber operations technical leadership program focused on all aspects of cyber operations to include: attack, exploitation, and defense. At NSA, she held multiple technical leadership positions including Computer Science Researcher and Senior Cybersecurity Analyst and prior to her departure in 2016, Dr. Estwick was one of the few women Technical Directors within NSA's Cyber Threat Operations Center; a 24/7/365 cyber operations center responsible for monitoring and defending Department of Defense networks globally.

Currently, Dr. Estwick is the Director for the National Cybersecurity Institute at Excelsior College and Faculty Program Director for the School of Graduate Studies Master's in Cybersecurity Program. She is a Thought Leader for Excelsior's cybersecurity research, training, and academic initiatives and is a member of several computing and cybersecurity organizations. Dr. Estwick lectures on a variety of cybersecurity and STEM (science, technology, engineering, and mathematics) topics of interests as it relates to education, national defense, and public policy and she's quoted frequently in print, online, and cable media. She is passionate about diversity and inclusion initiatives to include K-12 STEM education for under-represented populations as well as increasing the pipeline for girls, women, and minority professionals in STEM, Computer Science, and Cybersecurity. In addition to her outreach and mentoring activities, she coaches cyber competitions for students at her college and currently serves as the Vice President for the Women in Cybersecurity Mid-Atlantic Affiliate. Dr. Estwick

was recently featured in the Cybersecurity Ventures first book, *Women Know Cyber: 100 Fascinating Females Fighting Cybercrime*.

Prior to her academic and professional pursuits, Dr. Estwick served eight years in the United States Army and the Louisiana Army National Guard as a Signals Analyst and Personnel Specialist respectively; and is a Gulf War Army Veteran.