

Presents a Lecture in Cybersecurity Distinguished Lecture Series

Computer Science at the National Security Agency

Mark E. Segal

**Chief, Computer and Analytic Sciences Research
National Security Agency, Research Directorate**

Friday, October 19, 2018, 5:30pm

FGCU, Holmes Hall, Lecture Room 224

(doors open at 5:00pm, refreshments will be served)

Speaker Bio. Dr. Mark E. Segal is Chief of Computer and Analytic Sciences Research in the National Security Agency/Central Security Service's Research Directorate. In this role, Dr. Segal is responsible for leading an organization conducting advanced research in computer science, data science, and natural language processing, and applying the results of this research to NSA/CSS's Signals Intelligence, Information Assurance, and Cyber missions. Prior to this assignment, Dr. Segal was the Deputy Director of NSA/CSS's Laboratory for Telecommunications Sciences, whose research focus was telecommunications and computer networking. Dr. Segal also served as a Director of Cybersecurity Operations in the NSA/CSS Threat Operations Center, where he led a team in a 24x7 operations center focused on protecting DoD networks from cyber exploits. Dr. Segal is the recipient of a National Intelligence Meritorious Unit Citation and a Presidential Rank Award. Prior to joining NSA, Dr. Segal worked at Telcordia (formerly Bellcore) as a research manager and researcher. He served as Executive Director of Software Technology Research at Telcordia, and conducted research in distributed computing, multimedia systems, dependable systems, and cyber security. Dr. Segal holds BS, MS, and PhD degrees in Computer and Communications Sciences from the University of Michigan in Ann Arbor.

Abstract. The National Security Agency performs signals intelligence and cybersecurity missions on behalf of the US government to keep our country safe from foreign nations and non-state actors wishing to harm us. NSA also conducts scientific research to create technological advances in support of these missions. In this talk I will give an overview of NSA, some of our missions, and our research organization. I will also discuss some of our current research activities as well as some of our hard technical challenges. I will conclude by describing how our researchers collaborate with faculty and students at academic institutions.

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The Lecture Series is sponsored by FGCU U.A. Whitaker College of Engineering – Software Engineering Department, <https://www.fgcu.edu/eng/softwareengineering/>, and Southwest Florida Regional Technology Partnership, <http://www.swfrrtp.org/> - supported by Whitaker Center for STEM Education, <https://www2.fgcu.edu/whitakercenter/>

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