Bringing Methodology Back to Cybersecurity (1:10-1:50pm ET)

AND

A Vision for Human-Centered Cybersecurity (2:00-2:40EST)

Join us for the CAE Forum!

CAE Forum is a live, real-time, online, academic forum where members of the CAE community give non-technical presentations on topics of value to the CAE community. CAE Forum is about sharing your ideas, knowledge, and expertise to empower and strengthen our community. Presentations are normally held on the third Wednesday of each month during the Fall and Spring semesters.

Topic: Bringing Methodology Back to Cyber Security

Date: 16 May 2018

Time: 1:10-1:50pm ET

Location: https://caecommunity.zoom.us/my/caeforum (Login as "Guest" & enter your name. No password needed.)

Audience: Students, Professors, Govt.

Presenter(s): Dr. Greg Miles, University of Advancing Technology

Description: The world is being overcome by technology. We have become dependent upon technology in so many aspects of our lives and cyber security is no different. One of the things that has in many cases been lost along the way is having a foundational methodology that use to create, implement, and periodically test your security posture of your organizations, and more recently your private lives. Especially with the advent of the Smart (fill in the blank) and the Internet of Things (IoT). This presentation will provide a foundational introduction to a security assessment methodology that evolved from the NSA INFOSEC Assessment Methodology (IAM) and tweaked to include years of lessons learned.

Contact info: caeforum@caecommunity.org

Topic: A Vision for Human-Centered Cybersecurity

Date: 16 May 2018

Time: 2:00-2:40pm EST

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Audience: Students, Professors, Govt.

Presenter(s): Matthew Wright, Professor of Computing Security and Director of the Center for Cybersecurity, Rochester Institute of Technology

Description: While most research attention in cybersecurity is on technology, from cryptography on chips to using machine learning to detect attacks, many security problems in practice are due to people, such as a user opening a malicious email attachment. Understanding and designing for the human beings using, administering, and even attacking our systems is the key to making them more secure, not just on paper but in practice. In this talk, I will discuss some of the research efforts at RIT in human-centered cybersecurity, including new password technologies, measuring the effectiveness of two-factor authentication, understanding the source of security bugs, and modeling attackers. This research forms the core of RIT's Center for Cybersecurity, housed in the Golisano College of Computing and Information Sciences.

A recording of the live presentation will be available within 48 hours of the presentation at: https://www.caecommunity.org/cae-forum-resources

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