



Creating a Cybersecurity Culture: (ISC)² Survey Responses

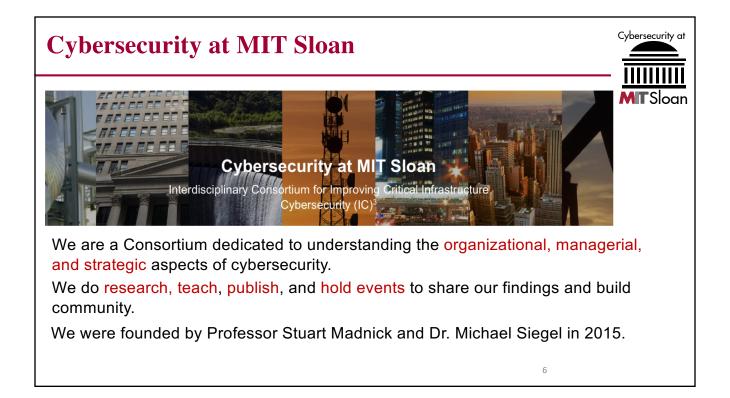
Dr. Keri Pearlson (ISC)² Conference • October 8, 2018 CAMS - (IC)³ • https://cams.mit.edu

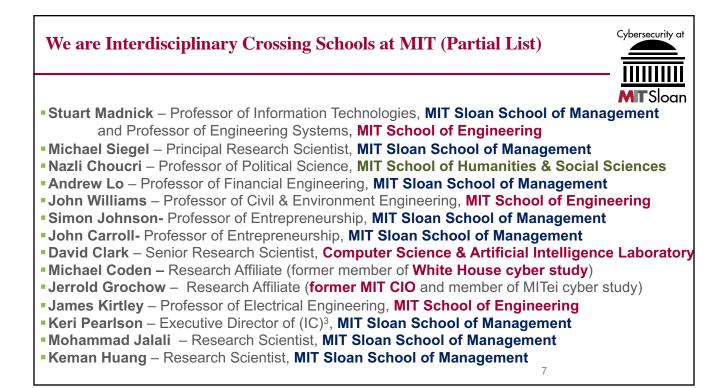




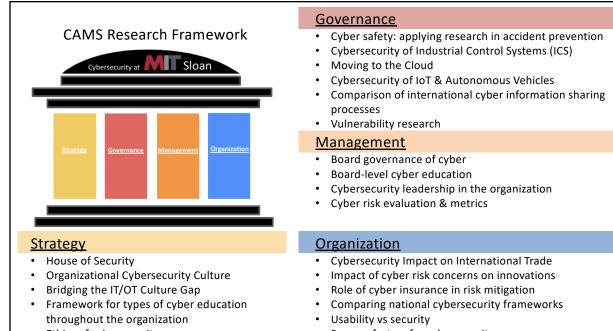












- Ethics of cybersecurity
- Security workforce

- Success factors for cybersecurity
- Cyber warfare

Our research priorities for this year



THE BUSINESS OF THE DARK WEB

Looking at the dark web as a collection of "as a service" offerings through the lens of the Porter value chain and seeks implications for how to identify and defend against future attacks.



RISK METRICS AND METHODOLOGY

Seeks to answer the large question of "How secure are we?" How can we measure the impact on cybersecurity if we invest in various options available to us technologically and organizationally?

IOT AND END POINT SECURITY

What is the best approach to managing cybersecurity of IoT devices, especially those running in plants and complex systems? The vulnerabilities opened up by the increasing number of endpoint devices cannot continue to add to the cybersecurity needs of the system.



CYBERSECURITY CULTURE

Looks at how we influence and increase positive cybersecurity employee behaviors. The goal of this research is to provide managers and leaders with a roadmap of how to build a culture to increase cybersecurity.

CYBER-PHYSICAL SYSTEMS

Takes a systems-level view of cybersecurity. This research stream is developing an approach that applies the System-Theoretic Accident Model and Processes (STAMP) to manage the complexity of systems in a structured manner to strategically focus cyber investments.





