

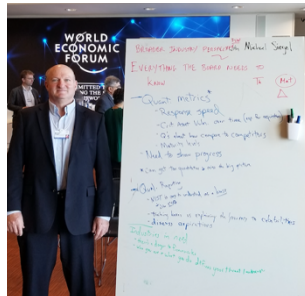


Newsletter

Newsletter #29:
November-December 2019

The CAMS team hopes everyone enjoyed a peaceful holiday season and a happy new year. With 2019 out the door, new and pressing cybersecurity issues around every corner, and many new members and partners joining us, Cybersecurity at MIT Sloan eagerly moves into an exciting new decade.

CAMS Director Leads Session at The World Economic Forum



Dr. Michael Siegel

This November, Dr. Michael Siegel, one of CAMS’ directors, attended the World Economic Forum’s Annual Conference on Cybersecurity. As the international organization for public-private cooperation, the World Economic Forum leads a global effort to drive systematic change on the most pressing cybersecurity issues, including the issues in cyber risk management, cybersecurity and the cloud, governance, and compliance. Dr. Michael Siegel moderated an interactive session on qualitative and quantitative approaches to cyber risk management.

CAMS Researchers present to MIT’s Industrial Liaison Program

The MIT Industrial Liaison Program (ILP) is dedicated to creating and strengthening mutually beneficial relationships between MIT and corporations worldwide. The CAMS team (Keri Pearlson, Matt Maloney, and Shaharyar Khan) engaged with a team of senior executives from Ericsson and Schindler through ILP. The meetings were used as an opportunity to exhibit some of the cutting-edge research being done at CAMS. This included short presentations on cybersecurity culture, cybersecurity of internet-of-things as well as an overview of a holistic approach being developed to secure complex systems.

Dr. Michael Siegel Interviewed with *The Innovator*

Jennifer L. Schenker interviewed Dr. Siegel regarding cybersecurity and risk management in the digital innovation magazine, *The Innovator*.

<https://innovator.news/interview-of-the-week-mike-siegel-d3d7bf10d71b>



Below is one of the questions from the interview:

Q: “What advice can you give to companies?”

A: “Companies have to figure out what things they can mitigate, what they can accept and prepare so that the damage is not as great as it could be and what risk they can transfer. In the process of doing that they need to try and figure out who is likely to attack them, what is the threat landscape, how good are the security controls, and then carefully access their cyber culture and manage that. Are their employees trained to employ good cyber hygiene? Are they properly restricting external access to their systems? Are their partners in the supply chain taking proper precautions?”

Shaharyar Khan Presented to Ukrainian Delegates

A delegation from Ukraine visited Boston as part of the U.S. Department of State’s International Visitor Leadership Program. Shaharyar Khan, a CAMS research scientist, met with the delegation to discuss a new method of identifying cyber-vulnerabilities and the development of cybersafety and how to apply it to a facility. Khan’s presentation impacted the Leadership Program by discussing public-private sector cooperation in ensuring cybersecurity, and examining the implementation framework for cybersecurity.

Save these dates:
2020 CAMS Events
Spring Workshop
03/25/20
Fall Workshop
11/05/20

Did you know...

Our CAMS team, in partnership with MIT Sloan Exec Ed, has launched 2 cybersecurity management programs for your business partners and non-technical executives

Take these courses online or in person. For more information, Visit <https://cams.mit.edu/events>

**Cybersecurity at MIT Sloan (CAMS) informal research team meetings are open to members and are held most Fridays
11:30am – 1:00pm
at MIT's Sloan School**

If you would like to attend, please contact one of our Directors

**About Cybersecurity at MIT Sloan:
Formerly The Interdisciplinary Consortium for Improving Critical Infrastructure Cybersecurity, (IC)³**

MIT is the natural place to study cybersecurity, given its rich history of technology innovation, and the MIT Sloan School is the perfect environment for the Cybersecurity at MIT Sloan (CAMS) research consortium. The Consortium is focused on the managerial, organizational, and strategic aspects of cybersecurity. More information can be found at <https://cams.mit.edu> or by contacting us:

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The Cloud Security Alliance Presented at a CAMS Friday Meeting

Cloud Security continues to be a hot topic in the world of cybersecurity as Cloud-based services grow in popularity. Recently, during one of CAM's weekly Friday meetings where members, partners, and guests meet on MIT's campus to discuss cybersecurity research, a cloud security team joined to present information on Cloud Security. Jeffrey Westcott (CFO) and John Yeoh (Research Director) from the Cloud Security Alliance discussed how Cloud adoption, cybersecurity of Cloud-based applications, and data have become top issues of concern for industry leaders. Westcott and Yeoh shared an overview of the CSA, their research process and agenda, as well as potential collaborative efforts between CSA and MIT. If you would like to know more about or attend one of CAMS' weekly meetings, please contact one of our directors.



Upcoming CAMS Events

Cybersecurity for Non-Technical Managers (an In Person Exec Ed program):

Apr 7-8, 2020 | Jun 11-12, 2020 | Oct 27-28, 2020

(Online Program): Feb 19-Apr 7, 2020 | Apr 22-Jun 9, 2020 | Jun 24-Aug 11, 2020)

Spring Workshop: March 25, 2020

Fall Workshop: November 5, 2020

Upcoming CAMS Presentations at Conferences

Prof. Stuart Madnick, Founding Director of CAMS, will be giving a presentation and participating in a panel session at the International Energy Agency's high-level **workshop on Electricity Security** on Tuesday, 28 January 2020, in Paris, France. This workshop will provide input into a report that the IEA is developing on Electricity Security, to be launched in September 2020.

In the Press

November 22, 2019: Stuart Madnick is featured in an article on *Builtin.com* "**8 Do's and Don'ts of Security Architecture**"

September 24, 2019: Stuart Madnick interviewed with *Gazeta Do Povo* (Brazil) discussing the impact of cyber attacks on businesses "**Ataques Cibernéticos Custam Mais Para as Empresas Brasileiras**"

October 24, 2019: Keri Pearlson interviewed with MIT Sloan's Christopher Reichert for a podcast: "**Keri Pearlson Executive Director of Cybersecurity at MIT Sloan**"

Recent Papers: Available to CAMS Members at cams.mit.edu

"**Responding to a Large Scale Energy Delivery Sector Cyber Attack Teaching Packet**" (Case and Teaching Note) by Keri Pearlson, Michael Sapienza and Sarah Chou, December 31, 2019 (Submitted to CREDC as final deliverable for REMEDYS project).

"**Casting the Dark Web in a New Light**" by Keman Huang, Michael Siegel, and Keri Pearlson. Featured in the *MIT Sloan Management Review* July 2019 edition.

"**Analysis of Cross-Border Data Trade Restrictions using Mixture-based Clustering**" by Keman Huang, Samuel Chinnery, Stuart Madnick, and Keri Pearlson. Presented at AMCIS August 2019.

"**Cyber Physical IoT Device Management**" by Matthew Maloney, Elizabeth Reilly, Michael Siegel, and Gregory Falco. July 2019.

"**The Internet of Things Promises New Benefits and Risks**" by Mohammad S. Jalali, Jessica P. Kaiser, Michael Siegel, and Stuart Madnick. April 2019.