

CAMS Member Workshops Update

In response to MIT's proactive efforts to control the spread of COVID-19 and keep our community healthy, CAMS' Spring Workshop was converted into a series of webinars on various research topics. Contact our Directors for more information.



CAMS Member Workshop Part Two: A Cloud Security Panel

On May 21st, Cybersecurity at MIT Sloan hosted part two of a virtual Spring workshop, a panel titled: **Managing Cybersecurity in the Cloud: Member Perspectives Today and Plans for the Future**. This panel consisted of Michael Coden (BCG Platinion), Elizabeth Rhul (Deciphera), Danielle Goulet (Hanover), Bala Rajagopalan (Tradeweb), Chris Sandulow (MongoDB), and Ilya Kabonov (Schneider Electric). They discussed the pressing concerns and benefits of cloud security and a multi-cloud environment. Key ideas from this session were first, with multi-cloud environments, there is a need for a single security profile. Next, security solutions differ for each cloud provider, necessitating multiple security approaches. Finally, constant monitoring of control metrics, patching, and adapting as necessary for each cloud must be built into security plans.

CAMS in Panel on Managing the Cyber Risks of Remote Work



PANELIST
Michael Coden

Since the majority of the workforce is working from home during the COVID19 Pandemic, Palo Alto Networks hosted a cybersecurity experts panel to share visions and solutions to secure of remote workers. CAMS Associate Director Dr. Keri Pearlson shared her perspective on how organizations are securing their remote workers, and strategies managers can implement to adequately address ongoing cyber risks. BCG CAMS Member Michael Coden also participated, sharing his team's white paper on protecting against COVID-19 cyberthreats.



PANELIST
Keri Pearlson

(See this paper here: <https://on.bcg.com/2Ola3zr>)

The Enterprises Project Published "Three Ways Leaders Can Build a Stronger Security Culture"

CAMS Researchers Keri Pearlson, George Wrenn, and Keman Huang published an article on the role of executives in building a strong cyber culture during the pandemic. This article was published by the The Enterprises Project on June 29, 2020 and included three tips for addressing and strengthening cybersecurity in the time of Covid-19 and beyond.

(See this paper here: <https://red.ht/2WiG3bA>)

C6 Team Presents at Cisco Cybersecurity Conference

On June 13th, Nelson Novaes and the C6 Bank Team presented at the Cisco Cybersecurity Community Conferece (C4). In an increasingly regulated world, why have all the cyber security protection laws and compliance standards not been enough to preent the leak of billions of points of data in recent years? The purpose of this research was the provide a technical assesment of the Capital One Data Breach incident to understand the technical modus operandi of the attack and to identify the related compliance requirements.

- RECOMMENDATIONS TO MITIGATE AND STRENGTHEN THE STANDARDS
- Leadership, Multidisciplinary Teams and IT and Security together**
- Leadership and an organizational structure to avoid silos, finger-points and a toxic environment;
 - DevSecOps with a great accountability. Should the CISO/CTO be fired?
 - Employees must have multidisciplinary skills and frequent training.
 - Governance team must understand Tech and Cybersecurity.
 - Protect the IT and Cloud Storage: we have a recommendation list inside the paper!

A Case Study of the Capital One Data Breach



Anchises de Paula



Natasha Borges



Nelson Novaes Neto

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>

Austin Women in Technology: Dr. Keri Pearlson



Working from home has created a strange, chaotic environment for organizations and families. Communicating, sharing wifi, and taking meetings remotely have opened up new vulnerabilities. In this session, Dr. Pearlson discussed new methods hackers are using to deceive, steal money and company data, and compromise systems. She also talked about actions people take to both raise awareness and change behaviors of those around you to keep everyone more secure.

MIT Webinar with Prof. Stuart Madnick

On May 26, CAMS Founding Director Prof. Stuart Madnick presented a webinar as part of the LATAM CEO Summit, Organized by the MIT Sloan Latin America Office, entitled **“What Every Manager Should Know About Cybersecurity.”** Despite extensive efforts by companies and countries, the impact of cyber attacks continues to increase with the number of data records stolen doubling between 2018 and 2019 to over 13 billion data records. Although it is tempting to view this as a technical issue left to the folks in the Information Technology (IT) departments, it turns out that 70-80% of all cyber attacks are aided by insiders (usually unintentionally.) In this session, Prof. Madnick separated myths from facts and identified various types of cyber threats and consequences. This helped managers to better understand the true scope of cyber threats and how they can take an active leadership role in addressing cybersecurity.

Upcoming CAMS Events – Please hold these dates

MIT Sloan CIO Digital Learning Series: Dr. Pearlson: July 15, 2020 <https://bit.ly/38SdK9c>
Summer Member’s Only Webinar: July 29, 2020
Fall Member’s Only Webinar: To Be Determined
Fall Member’s Workshop: November 5-6, 2020 (will be moved to virtual if necessary)
Winter Member’s Only Webinar: To Be Determined

Friday Research Team Meetings: CAMS very informal research team meetings are now virtual and open to anyone in the CAMS community who would like to attend. Held most Fridays from 11:30-1pm Eastern. Want to join? Send a note to join the email list.

Cybersecurity for Non-Technical Managers Executive Education Program

Next In Person program: | Oct 27-28, 2020

Online Program: Aug 12-Sep 29, 2020 | Oct 7-Nov 24, 2020 | Dec 2, 2020-Jan 19, 2021 | Mar 3-Apr 20, 2021 | Apr 22-Jun 9, 2021 | Jun 24-Aug 11, 2021

In the Press

June 29, 2020: Keri Pearlson was published by the *Enterprisers Project*: **“3 Ways Leaders can Build a Stronger Security Culture”** Link: <https://red.ht/2WiG3bA>

June 1, 2020: Stuart Madnick was quoted in a *Detroit Free Press* article: **“MSU: We don’t pay Hacker Demanding Ransom, Threatening University over Records”** Link: <https://bit.ly/3epujuh>

May 26, 2020: Stuart Madnick was interviewed for an article in the *Portland Press Herald*: **“Scammers Target Maine’s Stressed Unemployment System”**

Link: <https://bit.ly/2WgpD3u>

May 7, 2020: Stuart Madnick featured in article by *NS Medical Devices*: **“Is Blockchain the Solution as COVID-19 Highlights Medical Device Supply Chain Flaws?”**

Link: <https://bit.ly/3ftSOrm>

Recent Papers

(Available to CAMS Members at <https://cams.mit.edu/members-only/>)

“CEO’s Cybersecurity Role During COVID19” by Keri Pearlson and George Wrenn, March 20, 2020 (CAMS White Paper)

“Companies Should Stop Telling Employees to Keep Changing Passwords” by Stuart Madnick for *The Wall Street Journal*, March 2020.

“Analyzing the Interplay Between Regulatory Compliance and Cybersecurity” by Angelica Marotta and Stuart Madnick. Presented at the 19th annual Security Conference, Las Vegas (virtual) in March 2020.

“A Case Study of the Capital One Data Breach” by Nelson Novaes Neto, Stuart Madnick, Anchises Moraes, and Natasha Borges. Presented at the 19th annual Security Conference, Las Vegas (virtual) in March 2020.

“Cyber Securing Cross Border Financial Services: Calling for a Financial Cybersecurity Action Task Force” by Keman Huang and Stuart Madnick. Presented at the 19th annual Security Conference, Las Vegas (virtual) in March 2020.

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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