Newsletter

Cybersecurity at MIT Sloan (CAMS) is delighted to wrap up another successful year! We would like to extend a big thank you to our Members and Partners - we have come together to accomplish a lot through workshops, conversations, and collaborative research over the past twelve months. We look forward to continuing this trend in 2022!

Final CAMS Workshop Employed a New Format: Virtual Watercoolers

While everyone has adapted to the virtual space, it leaves something to be desired as it often prevents the serendipitous, in-person conversations where big ideas are hatched. For the December members event, CAMS experimented with something innovative to re-recreate those experiences virtually. Employing Zoom break out rooms, Members gathered around the virtual watercoolers to interact and collaborate with other executives on topics of their choice. A post-meeting survey indicated that this type of event was a big hit and something CAMS will continue in 2022.

A Risk Management Dashboard: CAMS Members' Meeting

"The dashboard exists to determine what areas your organization wants to optimize when it comes to cyber prioritization."

- Dr. Michael Siegel

In the November CAMS members' meeting, members were treated to a proof of concept for a cyber risk management dashboard. This concept allows managers to simulate the impacts of their decisions. It considers the dynamic effects as well as the interdependency of the various security efforts enabling strategic and effective cyber risk-management decision-making. Effective cyber risk management requires timely intervention by senior management in terms of prioritization of security efforts and resource allocation. Traditional approaches tend to critically fail to account for the dynamic nature of cyber risk. The Risk Management Dashboard accounts for this. For more information, contact project lead Dr. Michael Siegel.

Smart Questions in Cybersecurity with Keri Pearlson

In December, Keri did a presentation and moderated for a community of board of directors from public and private companies. She presented and led a discussion on important questions board members should ask about security. The talk was called: Smart questions about cyber security: what to ask at your next board meeting. During this talk she shared research on the kinds of questions that board members might ask of their cybersecurity teams to better execute their board responsibility as well as risk management.

Exploring the Global Threat Landscape: CyberSecure Conference

The MIT Technology Review cybersecurity conference, CyberSecure, explores the global threat landscape and the essential tools companies need to defend against the threat of cyber attacks. Two CAMS researchers, Dr. Keri Pearlson and Shaharyar Kahn, spoke at this event. They discussed how implications of a cyber breach have elevated the discussion from an IT issue to the C-Suite and on cybersafety in IoT. A new language is needed to impart the information needed at this level to make smart decisions on breach prevention and incident response.


Workshops

SAVE THE DATE!

Our next MEMBERS ONLY workshop is on February 3! Join CAMS discussion on the impact of the log4j vulnerability on companies and related CAMS research.

Did you know…

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

For more information, visit

https://cams.mit.edu/events

What Every Board Member Should Know About Security
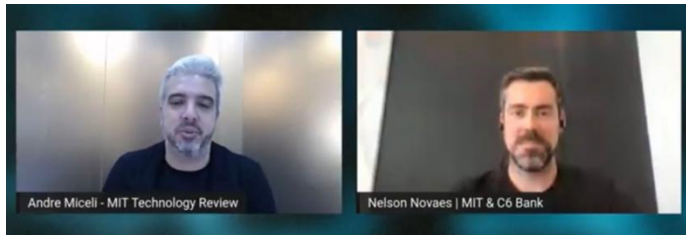
The CAMS community participated in two events to emphasize board security. Nelson Novaes Neto, co-founder of C6 Bank in Brazil and CAMS affiliate member, joined Cyber Secure to talk about the trends in Cloud Computing that CIOs and CTOs need to know to conduct their operations with adaptation and innovation. When asked how businesses can maintain consistent security without losing business experimentation and agility, Nelson said that adapting to new security practices and threats must be built in to the day-to-day business of a company.

Harvard Business Review: Navigating Cybersecurity Risks in Digital Trade

Stuart Madnick co-authored a timely article in the *Harvard Business Review*. For companies that sell digital products internationally, cybersecurity concerns increasingly can have a devastating impact on business. In general, how a country might react is driven by: national capability in managing cyber risks, the level of trust between the government and business, and geopolitics. Companies can't totally control these factors, but they can prepare for them. Specifically, a good strategy should involve: building a strong cybersecurity governance culture; preparing to play politics and burnish your cybersecurity image; developing an exit plan for markets and a re-entrance plan; helping host governments improve their cybersecurity capabilities; and building up your bargaining powers.

Upcoming CAMS Events – Please hold these dates

Members Only Webinars: Feb 3, Mar 3
Friday Research Team Meetings: CAMS informal research team meetings are now virtual and open to anyone in the CAMS community who would like to attend.
Held most Fridays from 11:30-12:30pm ET. The topic for each meeting is announced on Monday of the week. Interested in joining? Send a note to the CAMS directors to join the email list.

Cybersecurity Executive Education Programs Developed by CAMS:
Cybersecurity Leadership for Non-Technical Executives (Live online): Mar 16-18, 2022
Cybersecurity for Managers: A Playbook: Feb 2- Mar 23, 2022
NEW: **MIT xPro Professional Certificate in Cybersecurity**: February 9, 2022

CAMS In the News

December 16, 2021: Stuart Madnick was interviewed for a ZD net video: The threat from hackers is getting worse & ignorance isn't an excuse for boardrooms." Link: https://zd.net/3366HLK

December 15, 2022: Stuart Madnick was interviewed for a Boston Globe article: "Emerging 'Log4j' software bug spans worldwide worry over cyber attacks" Link: https://bit.ly/3svhUQ6

December 2, 2021: Stuart Madnick and Keman Huang wrote an article for Harvard Business Review: "Navigating Cybersecurity Risks in International Trade." Link: https://bit.ly/3pmlFFJ

November 28, 2021: Stuart Madnick was interviewed by NBC 10 Boston: "MIT Cyber Security Expert Shares Tips to Avoid Holiday Scammers this Monday" Link: https://bit.ly/3moBJEH

November 22, 2021: Michael Siegel was interviewed for a Washington Post article: "Big Tech is pushing smart home devices as the latest work-from-home tools" Link: https://wapo.st/3yRilp3

November 17, 2021: Keri Pearlson and Keman Huang wrote an article for MIT Sloan Management Review: "Design for Cybersecurity from the Start" Link: https://bit.ly/3HabzNU

A Few of the Most Recent CAMS Research Papers
(Available to CAMS Members at https://cams.mit.edu/members-only/)

"The Cyber Risk Cube: A New Tool for Cybersecurity Risk Management" by Michael Siegel and Kristin Chen. Working Paper. November 2021.

"Trusting the Needle in the Haystack: Cybersecurity Management of AI/ML Systems" by Sanjana Skukla, José Ignacio Parada, and Keri Pearlson. October 2021.

"The Cybersecurity Skills Survey: Response to the 2020 SIM IT Trends Study" by Chris Maurer, Mary Sumner, Dan Mazzola, Tim Jacks, and Keri Pearlson. June 2021.

"A Systematic Framework to Understand Transnational Governance for Cybersecurity Risks from Digital Trade" by Huang, Madnick, Choucri, and Zhang. June 2021.

"Convergence and Divergence of Regulatory Compliance and Cybersecurity" by Angelica Marotta and Stuart Madnick. June 2021.

About Cybersecurity at MIT Sloan:
Formerly the Interdisciplinary Consortium for Improving Critical Infrastructure Cybersecurity, (IC)[3]

MIT is a natural place to study cybersecurity, given its rich history of technology innovation, and the MIT Sloan School of management is the home of 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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