

# CYBERSECURITY

## CAMS Member Events

**MAY 14-15, 2024**

CAMS Cybersecurity Innovation Symposium (CCIS): In-Person only

**AUGUST 8, 2024**

Discuss Research with our Researchers: Virtual Event

**OCTOBER 23, 2024**

Member Workshop: In-person only

**JOIN CAMS TODAY TO PARTICIPATE IN OUR 2024 LINEUP!**

## Looking for Executive Education in Cybersecurity?

The CAMS team, in partnership with MIT Sloan Exec Ed, offers four cybersecurity management programs for business and non-technical executives.

For more information, visit:  
<https://cams.mit.edu/events>

**IDEAS  
MADE TO  
MATTER**



*Jillian Kwong presenting her research at the Hawaii International Conference on System Sciences*

## SHORTCOMINGS IN THIRD PARTY SME RISK MANAGEMENT EXPLORED AT HICSS 2024

CAMS researchers Dr. Keri Pearlson and Dr. Jillian Kwong showcased their research at this year's Hawaii International Conference on System Sciences (HICSS) in January 2024. Their work highlighted the unique challenges small and medium-sized enterprises (SMEs) face in traditional risk assessment methodologies and proposed tailored solutions for bolstering cyber resilience. There are four major risk assessment methods used by most companies today, which are overly taxing to SMEs. For example, SMEs are frequently asked to complete lengthy surveys or support customers who want to do a system penetration test. SMEs struggle to balance allocating resources to demonstrate their security posture and invest in their own security operations. While SMEs are crucial to the global supply chain, this research highlights the importance of finding ways to assist SMEs so they are also reliable, secure partners.

## About Cybersecurity at MIT Sloan (CAMS)

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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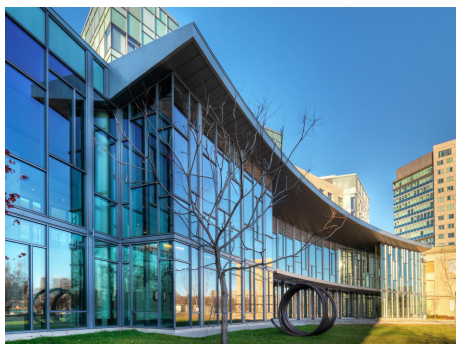
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## THE NEW WAVE OF REGULATIONS: PANEL PERSPECTIVES AT ARC INDUSTRY LEADERSHIP FORUM

At the 28th Annual ARC Industry Leadership Forum in February 2024, Professor Stuart Madnick participated in two sessions with professionals and executives from across Industrial Control industries. Madnick's sessions helped attendees understand the growing regulatory environment and the actions that can be taken to ensure such requirements will be met. Madnick's opening remarks revealed a critical knowledge gap among attendees: no one was aware of more than 25 recent cybersecurity-related regulations. Meanwhile, CAMS researchers have cataloged over 170 (and counting)! Further discussion revolved around the lack of harmonization, as multiple regulations will attempt to address similar issues, often with different—and even contradictory—requirements. Solutions include adopting a risk-based approach to compliance, engaging diverse stakeholders from early stages, leveraging existing technical standards (established by bodies such as the ISO and IEC), and participating in ongoing international dialogues. Executives were encouraged to manage the overwhelming flood of regulations by staying aware of what is required to be prepared to comply.



*World Police Summit panel on cyber crime with Stuart Madnick as a featured panelist*



### Cybersecurity Executive Education Programs Developed by CAMS

The CAMS team has created several executive education programs. Some are prerecorded online and others are 'live online' with instructors teaching in real time over a Zoom link. Here are links and the date of the next class (CAMS members get a discount on registration):

#### Cybersecurity for Managers: A Playbook

(Six weeks) April 18, 2024

#### MIT xPro Professional Certificate in Cybersecurity

(24 weeks) April 30, 2024

#### Cybersecurity Leadership for Non-Technical Executives 2024

November 6-7, 2024

#### Cybersecurity Governance for the Board of Directors

December 9-11, 2024



Stuart Madnick at the World Police Summit

### MADNICK DISCUSSES CYBER CRIME DURING KEYNOTE AT WORLD POLICE SUMMIT 2024

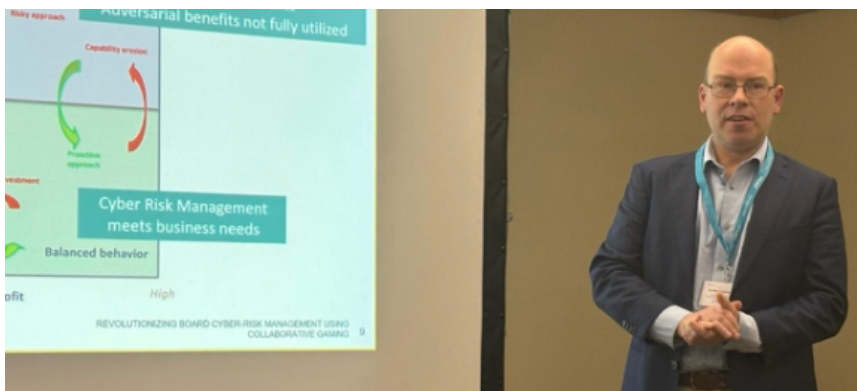
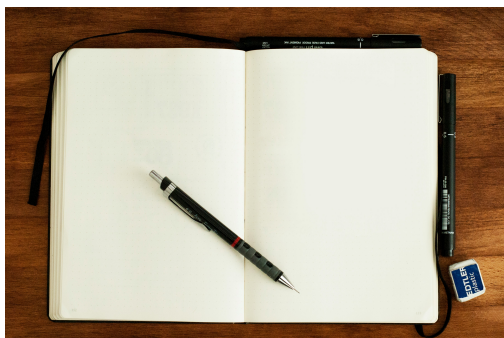
Professor Stuart Madnick was honored and followed up with the keynote address at the World Police Summit in March 2024 in Dubai, UAE. His remarks focused on the rise of cybercrime—and what police involvement should look like. Madnick noted that while there are more efforts than ever made by companies, governments, and law enforcement agencies, all forms of cybercrime are increasing yearly. His keynote dug into the escalating threat landscape, shedding light on the exponential rise in data breaches and global ransomware attacks. Madnick highlighted three key contributing factors to this surge: new types of ransomware attacks, cloud misconfiguration, and exploitation of vendor systems. Madnick's remarks shared a sense of urgency in combating cybercrime effectively and what can be done about it.



Keri Pearson leading a session on cyber resilience at South by South West

### NAVIGATING THE CYBER STORM: INSIGHTS FROM SXSW 2024

Dr. Keri Pearson spoke at the SXSW 2024 interactive conference in March 2024 in Austin, TX. She shared a taste of CAMS research and discussed how the audience can participate in creating cyber resilience. Participants left with actionable insights such as how changing the focus from only protecting assets to fostering organizational resilience is critical for winning the battle against malicious actors, building a culture of cybersecurity by demonstrating the behaviors that build security, and recognizing the heroes in the organization who do the right things as a way to encourage additional secure values, attitudes, beliefs, and behaviors. Dr. Pearson shared what we all should know: resilience is the only way to play the game. A link to an audio recording of her session can be found here: <https://schedule.sxsw.com/2024/events/PP1144809>



*Sander Zeijlemaker presenting at the International Conference on Information Systems Security and Privacy*

## SECURING THE FUTURE WITH SANDER ZEIJLEMAKER

CAMS researcher Dr. Sander Zeijlemaker's keynote at the Building the Future conference in Lisbon, Portugal, in February 2024 focused on the convergence of cybersecurity and artificial intelligence, exploring how to stay one step ahead in the always-expanding world of AI. Dr. Zeijlemaker's work was further shared when he and Tony Delvecchio (CAMS member, BV-Tech) presented their joint research at the February 2024 International Conference on Information Systems Security and Privacy in Rome, Italy. Incorporating user-interface design theory, Zeijlemaker discussed a management game to foster education among board members, regardless of technical background. The results showed that groups performed significantly better than individuals in terms of financial performance and risk profiling. At a third conference in March 2024, Zeijlemaker spoke at the Forum in Cyber Security Conference in Lille, France, about preserving the integrity of supply chains. In this roundtable, he explained how expanding the NIS 2 directive will target the security holes opened by supply chain digitalization and limit the risk of rebound attacks.

## FORTIFYING CYBER RESILIENCE FOR BOARD-LEVEL OVERSIGHT

In January 2024, CAMS Exec. Dir. Dr. Keri Pearlson shared her board-level research insights with the Board Impact Forum, a Swedish consortium of global board members. She presented her idea of a 'cyber-resilience balanced scorecard' for Board reporting. The balanced scorecard better represents the questions most directors want to discuss: what is the biggest risk we face from cybersecurity, and what are we doing to prepare for it? The scorecard suggests qualitative and quantitative measures to assist boards with oversee cyber risk responsibility. The scorecard includes sections for technology, organizational, supply chain, and financial risks. It aggregates up to a resilience metric so that boards have a baseline for understanding how resilient their organizations are. For more information, see Dr. Pearlson's Harvard Business Review article here: [https://cams.mit.edu/wp-content/uploads/101123\\_HBR\\_NEW.pdf](https://cams.mit.edu/wp-content/uploads/101123_HBR_NEW.pdf)



## READ ALL ABOUT IT! CAMS IN THE NEWS + PUBLICATIONS

### March 27, 2024

Keri Pearlson was quoted in an article by MIT Sloan: [“Cybersecurity Plans Should Center on Resilience”](#)

### March 22, 2024

Ranjan Pal published an article in Forbes India: ["Considering Insurance to Manage IoT-Driven Catastrophic Cyber-Risk"](#)

### March 19, 2024

Stuart Madnick was quoted in an article for Health Payer Specialist: ["New Cyberthreat: Workers Burned Out on Passwords, 2FA, Security Rules"](#)

### March 15, 2024

Stuart Madnick published an article in The Wall Street Journal: ["If Companies Are More Prepared, Why Are Breaches Still Rising?"](#)

### March 13, 2024

Keri Pearlson and Jeffrey Proudfoot published an article in The Wall Street Journal: ["As Boards Focus More on Cybersecurity, Are They Missing One of the Biggest Threats?"](#)

### March 8, 2024

Angelica Marotta (CAMS Research Affiliate) was interviewed and featured in an article by the European Cyber Security Organization (ECSO): ["Queen Bees #1 - Angelica Marotta International Women's Day Special"](#)

### March 3, 2024

Stuart Madnick was quoted in an article by CNBC: ["Cyber-physical Attacks' Fueled by AI are a Growing Threat, Experts Say"](#)

### February 21, 2024

Keri Pearlson presented in a webinar for MIT Management Executive Education: ["Cybersecurity Resiliency is More Than Protection"](#)

### January 19, 2024

Stuart Madnick published an article in the Harvard Business Review: ["Why Data Breaches Spiked in 2023"](#)

### January 17, 2024

Stuart Madnick was quoted in an article by Computer Security Online (CSO): ["London Internet Attack Highlights Confusing Hacktivism Movement"](#)

### January 10, 2024

Ranjan Pal and Michael Siegel published an article in Forbes India: ["Cybersecurity Management Landscape of the Indian Automation Industry"](#)

This is a prolific time for CAMS, with many articles and publications available on the [Members Only](#) page of our website.