

# CYBERSECURITY

## CAMS Member Events

### 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**



*CAMS Cybersecurity Innovation Symposium 2024, at The Royal Sonesta*

## CHARTING THE COURSE OF CYBERSECURITY AT CCIS 2024

The third annual CAMS Cybersecurity Innovation Symposium (CCIS) happened on May 15th and gathered over 120 cybersecurity experts, executives, thought-leaders, students, and researchers united to explore the next five years of cybersecurity through keynotes and interactive panels. In his keynote, Darrin Jones of Interpol emphasized international cooperation and advanced technologies to tackle evolving cybercrime, advocating for zero-trust principles and industry-law enforcement collaboration. Panels highlighted the need for new defenses against AI and quantum threats, community-based security strategies, and improved information sharing. Gretchen Bueermann from the World Economic Forum stressed the need for urgent support for SMEs to enhance cyber resilience amid rising costs, calling for modernized funding and regulatory frameworks. The symposium underscored the importance of adopting secure-by-design principles in software development, automating Software Bills of Materials (BOMs) for risk management, and integrating AI to bolster cybersecurity operations while maintaining transparency and trust.

## 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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## EVERYONE NEEDS CYBER RISK MANAGEMENT

CAMS Director Michael Siegel delivered an insightful talk on the importance and best practices of cyber risk management at the Viva Technology conference in May 2024, in Paris, France. He emphasized the universal need for effective cyber risk management across organizations of all sizes, discussing best practices, and advocating for the incorporation of cyber resilience into the foundational stages of a company's development. Dr. Siegel highlighted the importance of proactive measures, monitoring, and adaptive strategies to fortify both early-stage ventures and established enterprises against evolving threats. By embedding cybersecurity principles early, organizations can enhance their integrity and sustainability, ensuring robust defenses that scale with their growth.



*Michael Siegel delivering a talk at the VivaTech 2024 conference in Paris*

## CLIMBING CYBERATTACKS — INSIGHTS FROM MADNICK'S KEYNOTE AT DTEA 2024

In April, Professor Stuart Madnick delivered an impactful keynote on the alarming rise of cyberattacks at the Digital Transformation in East Africa (DTEA) conference held in Nairobi, Kenya. Dr. Madnick challenged the audience's assumption that cyber threats are limited to financial institutions, underscoring their growing danger to healthcare and government sectors, and illustrated this with the recent cyberattack on Change Healthcare in the U.S. To combat these challenges, Madnick advised organizations to raise awareness about cyber risks and best practices, scrutinize their vendors rigorously to ensure they adhere to robust security standards,



## 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):

**MIT xPro Professional Certificate in Cybersecurity**  
(24 weeks) August 13, 2024

**Cybersecurity for Managers: A Playbook**  
(Six weeks) September 5, 2024

**Cybersecurity Leadership for Non-Technical Executives 2024**  
November 6-7, 2024

**Cybersecurity Governance for the Board of Directors**  
December 9-11, 2024

monitor systems for suspicious data exfiltration to halt breaches swiftly, and encrypt sensitive data, ensuring that even if stolen, it remains unusable to attackers. These proactive measures, he argued, are essential for fortifying defenses and maintaining resilience in an era of evolving cyber threats.

The recording of his keynote can be found here: [https://web.mit.edu/smadnick/www/2024-04-07Madnickvideo\(19min-60MB\)forDTEA-AgaKhanUniversity.mp4](https://web.mit.edu/smadnick/www/2024-04-07Madnickvideo(19min-60MB)forDTEA-AgaKhanUniversity.mp4)



DTEA - April 17 & 18, 2024 – Aga Khan University



### Why Continued Rise of Cyberattacks?

#### Stuart Madnick

John Norris Maguire Professor of Information Technologies,  
MIT Sloan School of Management;  
Professor of Engineering Systems,  
MIT School of Engineering;  
Founding Director of Cybersecurity at MIT Sloan (CAMS)  
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*Stuart Madnick presenting his keynote speech at the DTEA 2024 conference*

## BUILDING CYBER RESILIENT ORGANIZATIONS IS NO LONGER A LUXURY: IT'S A NECESSITY



*Keri Pearlson presenting at CCIS 2024*

Dr. Keri Pearlson, CAMS Executive Director, has been widely sharing her research on cybersecurity resilience this quarter. On April 18, she presented preliminary research on

AI's dual role in supporting and potentially destabilizing cybersecurity culture to the I-4 Institute in New York City alongside leaders from KPMG. Later that day, Dr. Pearlson joined a panel at the Board Impact Forum (BIF) to discuss AI-induced vulnerabilities like deep fakes and upgraded phishing attacks, emphasizing the need for board directors to educate themselves about these emerging threats. On April 24, Pearlson ran a tabletop exercise for MIT xPro's COO community to demonstrate the importance of preparedness in cyber resilience. On May 1, she shared her research on creating a cyber-resilient culture with the MIT Industrial Liaison Program (ILP). Finally, Dr. Pearlson led a session for the Society for Information Management (SIM) DigiRisk SIG in June on cyber resilience strategies to AI-induced misinformation. The thread throughout these diverse engagements was the need to build cyber-resilience capacity to keep organizations going in the face of cyber incidents.



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

### June 4, 2024

Stuart Madnick was quoted in an article by SecureWorld: "[MIT Report Spotlights Triple Threat Fueling Data Breach Tsunami](#)"

### May 31, 2024

Keri Pearlson was quoted in an article by ANA Magazine: "[What is Red Teaming](#)"

### May 30, 2024

Keri Pearlson was quoted in an article by Tanium: "[Is Your Enterprise 'Cyber Resilient'? Probably Not. Here's How Other Boards Fixed That](#)"

### May 30, 2024

Keri Pearlson appeared in a video for MIT Sloan CIO Symposium: "[The GenAI Blind Spot Leaders Have Now](#)"

### May 30, 2024

Stuart Madnick was quoted in an article by ConsumerAffairs: "[Has My Data Been Breached in 2024?](#)"

### May 27, 2024

Stuart Madnick was quoted in an article by National Mortgage News: "[AI Deepfakes and Mortgages: How Big is the Risk?](#)"

### May 22, 2024

Stuart Madnick was quoted in an article by CNBC: "[A Microsoft Under Attack From Government and Tech Rivals After 'Preventable' Hack Ties Executive Pay to Cyberthreats](#)"

### May 19, 2024

Stuart Madnick was quoted in article by The New York Times: "[5 Takeaways From the Spring Art Auctions](#)"

### May 16, 2024

Stuart Madnick was quoted in article by TechTarget: "[CIOs Face Obstacles when Scaling Generative AI](#)"

### May 9, 2024

Stuart Madnick's report with Apple was mentioned by The Organization for World Peace: "[Over 2.6 Billion Personal Records Exposed Over Past Two Years, Apple Report Warns](#)"

### May 7, 2024

Keri Pearlson was spotlighted for her appearance in the Information Security Forum Podcast: "[Taking an Ecosystem Approach to Cyber Resilience](#)"

### April 30, 2024

Stuart Madnick was quoted in an article by MIT Sloan: "[MIT Report Details New Cybersecurity Risks](#)"

### April 29, 2024

Keri Pearlson was quoted in an article by IEDP: "[Creating Resilience to Cyber Risk](#)"

### April 29, 2024

Keri Pearlson was quoted in an article by MIT Sloan Executive Education: "[Now Corporate Boards Have Responsibility for Cybersecurity, Too](#)"

### April 17, 2024

Stuart Madnick presented a keynote video for the DTEA Conference: "[Why Continued Rise of Cyberattacks?](#)"

### April 11, 2024

Ranjan Pal and Michael Siegel published an article in Forbes India: "[3 Things Industrial Control System Enterprises Should Do to Boost Cyber-resilience](#)"

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