

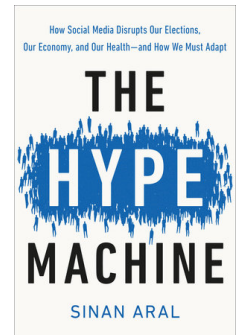
Newsletter #35:
November-December 2020



Newsletter

Cybersecurity and Social Media: The Hype Machine

The CAMS Fall members workshop occurred just two days after the U.S. presidential election and addressed the topic of cybersecurity and the election. Dr. Sinan Aral, MIT Professor and author of his new book, *The Hype Machine: How Social Media Disrupts our Elections, Our Economy, and How we Must Adapt*, delivered a keynote talk based on his book. His talk discussed a scientific approach to harness the power of social media for good instead of evil. CAMS looks forward to hosting our next conference as a virtual discussion group event on April 1st. The summary from this event, and all previous CAMS events, is available to members on the Members Only portal on the CAMS website. See Dr. Sinan Aral's book here: <https://bit.ly/3hNSrKu>



Save the Date:
February 4, 2021

CAMS Members Only

*Discuss Research with
our Researchers:*

*Developing a Cyber
Range for Simulating
Attack Scenarios*

CAMS Member Workshops Update

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

MIT's CyberSecure Conference Featured CAMS Directors



[Left: Keri Pearson, Right: Stuart Madnick]

This December, MIT Technology Review hosted their inaugural virtual conference called CyberSecure, an event for professionals responsible for creating a strategic and tactical cyber-resilient organization. Keri Pearson presented a talk on building a culture of cybersecurity focused on minimizing the human errors that jeopardize cybersecurity. Stuart Madnick presented a cybersecurity spotlight on threat detection based on an study of the Capital One Breach analyzing what controls failed and possible prevention techniques.

CAMS Members Webinar Series: Discuss Research with our Researchers: Supply Chains as Predictors of Cyber Incidents

On December 3, Dr. Rafi Yahalom, CAMS Researcher, and his team discussed the topic "Supply Chains as Predictors of Cyber Incidents." Dr. Yahalom presented his research on leveraging data driven analytic approaches to systematically determine the factors that make companies more likely to be victims of cyber incidents. This presentation suggested that organizations should increasingly align their cyber-security management with reliable data-driven cyber-risk foundations. This research determined that supply chain characteristics are a valuable component when assessing cyber-risk in an organization.

Stuart Madnick Helped Develop World Economic Forum Report



The World Economic Forum's report, "Cyber Resilience in the Electricity Ecosystem: Securing the Value Chain" cited Stuart Madnick, CAMS Director, for his assistance in developing the report. This report is the culmination point of a body of work which kicked off in January 2019 and aimed to develop bridges between the operational and executive levels of Cyber Risk governance, businesses and policy makers on regulatory practices, suppliers, integrators, and operators on their responsibilities across the supply and value chains. You can view this report at: <https://bit.ly/3npHxeZ>

Presentations on International Trade and the Role of Compliance

Keman Huang, CAMS Researcher, and Angelica Marotta, CAMS Research Affiliate, presented at the 19th Workshop on e-Business (WeB2020). Dr. Huang presented on international trade and the how efforts to prevent cyberattacks online might cause the next global financial crisis, and potential ways to prevent that from happening. Angelica Marotta gave a presentation on an in-progress research plan to understand the role of compliance in helping or hindering cybersecurity in organizations.



Join CAMS Consortium: A packed 2021 for CAMS Members

Did you know that CAMS research is funded by companies like yours? CAMS went virtual for 2020 and launched a new series of members only events called Discuss Research with Our Researchers. These events are small and designed to be intimate question and answer sessions for CAMS members to participate in. Beyond these, our consortium offers quarterly members only events featuring prestigious keynote speakers, industry specialists, a member's only website, and weekly Friday research meetings for hot topic presentations. If you would like to know more and become a CAMS member visit cams.mit.edu/join-us.

Upcoming CAMS Events – Please hold these dates

Member's Only Webinar Series: Discuss Research with our Researchers: Feb 4 | March 4
Spring Member's Event: : April 1, 2020

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. Send a note to the CAMS directors to join the email list.

Cybersecurity for Non-Technical Managers Executive Education Programs

Cybersecurity Leadership for the Non-Technical Executives: Jan 12-14, 2021 | Apr 21-23, 2021

Online Program: | Mar 3-Apr 20, 2021 | Apr 22-Jun 9, 2021 | Jun 24-Aug 11, 2021

CAMS In the News

December 21, 2020: Stuart Madnick was interviewed for an *S&P Global* article: [“Utilities Vulnerable to Cyber-Attack even if they did not use SolarWinds Software”](https://bit.ly/396xYwr) link: <https://bit.ly/396xYwr>

December 12, 2020: Angelica Marotta presented at WeB 2020: [“Development of a Research Plan to Understand the Role of Compliance in Improving or Hindering Cybersecurity in Organizations”](https://bit.ly/2Xeamk0) link: <https://bit.ly/2Xeamk0>

December 12, 2020: Keman Huang presented at WeB 2020: [“A Major Breakdown of International Trade and Next Global Financial Crisis: Could be Caused by Efforts to Prevent Cyberattack on the Web”](https://bit.ly/3hR8fMn)

December 7, 2020: Stuart Madnick was interviewed for *SiliconANGLE*: [“Cybersecurity 2021: nation-state hacking, network vulnerability, and social media manipulation”](https://bit.ly/3hR8fMn) link: <https://bit.ly/3hR8fMn>

November 17, 2020: Stuart Madnick was quoted in *American Banker*: [“5 Ways Banks can Guard Against Internal Cyber Threats”](https://bit.ly/3ojfG19) link: <https://bit.ly/3ojfG19>

November 16, 2020: Stuart Madnick was quoted in *American Banker*: [“Data-security Lapses Surge in Work-From-Home Era”](https://bit.ly/3nbcl2Y) link: <https://bit.ly/3nbcl2Y>

Sampling of Recent Papers

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

Sneak peek: [“A Major Breakdown of International Trade and Next Global Financial Crisis: Could be Caused by Efforts to Prevent Cyberattack on the Web”](https://bit.ly/3hR8fMn) by Stuart Madnick and Keman Huang, In-progress, 2021.

Sneak peek: [“Development of a Research Plan to Understand the Role of Compliance in Improving or Hindering Cybersecurity in Organizations”](https://bit.ly/2Xeamk0) by Stuart Madnick and Angelica Marotta, In-progress, 2021.

[“Varieties of Public-Private co-governance on cybersecurity within the digital trade: Implications from Huawei's 5G”](https://bit.ly/3hR8fMn) by Keman Huang, Matthew Deegan, Stuart Madnick, Fang Zhang, and Michael Siegel. 2021.

[“Does High Cybersecurity Capability Lead to Openness in Digital Trade? The Mediation Effect of E-Government Maturity”](https://bit.ly/3hR8fMn) by Keman Huang and Stuart Madnick, November 2020

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

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:

Stuart Madnick,
Director
smadnick@mit.edu

Michael Siegel,
Director
msiegel@mit.edu

Keri Pearson,
Executive Director
kerip@mit.edu