



Cybersecurity at MIT Sloan
Interdisciplinary Consortium for Improving Critical Infrastructure
Cybersecurity (IC)³

Human Risk Management CAMS Roundtable
The Culture Club
October 20, 2022

 **Dr. Keri Pearlson**
Executive Director, CAMS
kerip@mit.edu
cams.mit.edu

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Subgroup Kick Off Meeting Agenda



| | |
|--------|----------------------------|
| Noon | Kick Off |
| 15 Min | Introduction |
| 30 Min | Hot Topics Discussion |
| 30 Min | CAMS Research Showcase |
| 15 Min | Proposal for going forward |
| 1:30 | Adjourn |

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CAMS has a large and robust research program

Strategy

- Board role in Cybersecurity Strategy
- Educating Boards on Cybersecurity
- Cybersecurity at a Strategic Opportunity
- Cyberinsurance
- Innovation and Security
- Bug Bounty Program
- Information Sharing
- Cybersecurity in International Trade
- The Ecosystem of the Dark Web

Governance

- Sector Cyber Leadership (REMAED)
- Data Sharing
- Cyber Risk Profiling
- Cyber Metrics: How Secure are We?
- Cyberinsurance
- Cybersecurity in International Trade
- GDPR-Privacy vs Cybersecurity

Management

- House of Security
- Data Sharing
- Cyber Risk
- Cyberinsurance
- Autonomous vehicle control systems
- Cybersecurity in IoT Devices
- Cyber-Physical systems
- Sector Cyber Collaboration
- Cybersafety Analysis of Energy Systems
- Mobility as a service
- Ukraine smart grid
- Cybersafety systems approach

Organization

- Cybersecurity in Hospitals
- Building a Cybersecurity Culture
- Cybersecurity Maturity Model
- Blockchain security
- Cybersecurity in Pharma / Biotech companies
- Supply Chain Cybersecurity

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We are International and Cross-Industry

Partial List
of Partners
and
Members



Partners

















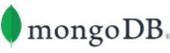
















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Chatham House Rule



To encourage interactivity, we will use the Chatham House Rule

"Under the Chatham House Rule, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed."

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Introductions



Please introduce yourself. Tell us your:

Name

Company

Position/Interest in Cybersecurity

One aspect of your cyber culture that you are most proud of (or want to change)?

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Hot Topics Discussion



Open Discussion:

What is the most critical human risk management issue you face today?

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84%

The percent of cyber attacks due to human error
(such as using easy-to-guess passwords, leaving
physical devices in an unsafe areas, failing to
apply a patch)

Source: <https://securityintelligence.com/news/insider-threats-account-for-nearly-75-percent-of-security-breach-incidents/>

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Cybersecurity is a Big Problem



**Organizational cybersecurity
requires more than just the latest
technology**

**To secure an organization, everyone
in the organization must act to
reduce risk**

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CAMS Research: Organizational Cybersecurity Culture



Research Question:

**How can we better understand,
shape and align the beliefs, values
and attitudes of organizations with
their cybersecurity goals?**

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Defining Cybersecurity Culture



Cybersecurity Culture: The **attitudes, beliefs, and values** (unwritten rules) that drive **employee behaviors** that protect and defend the organization from cyber risks.

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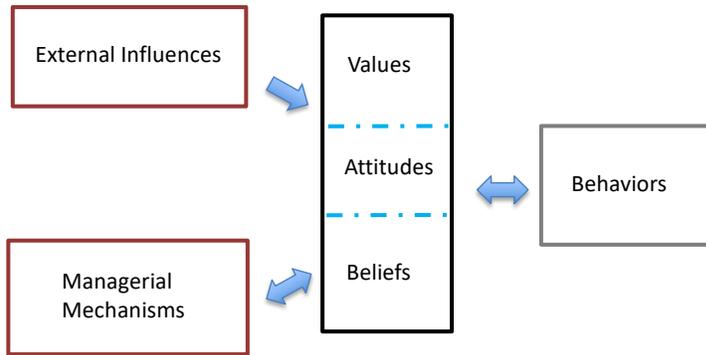
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Audience Participation...

**What is one thing
you/your organization
has done to drive
cybersecure behaviors?**

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Cybersecurity Culture Model

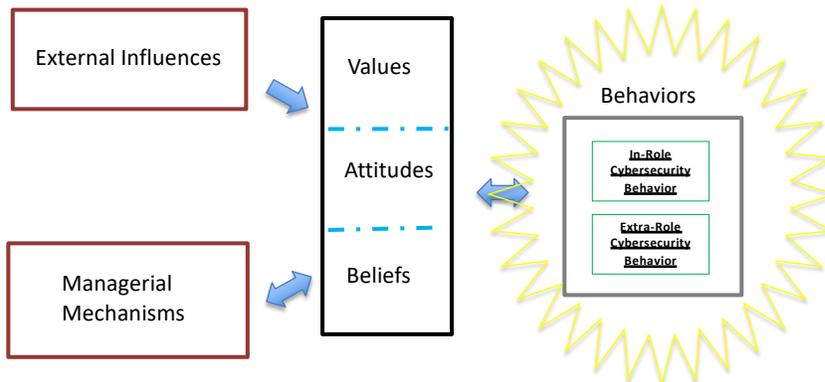


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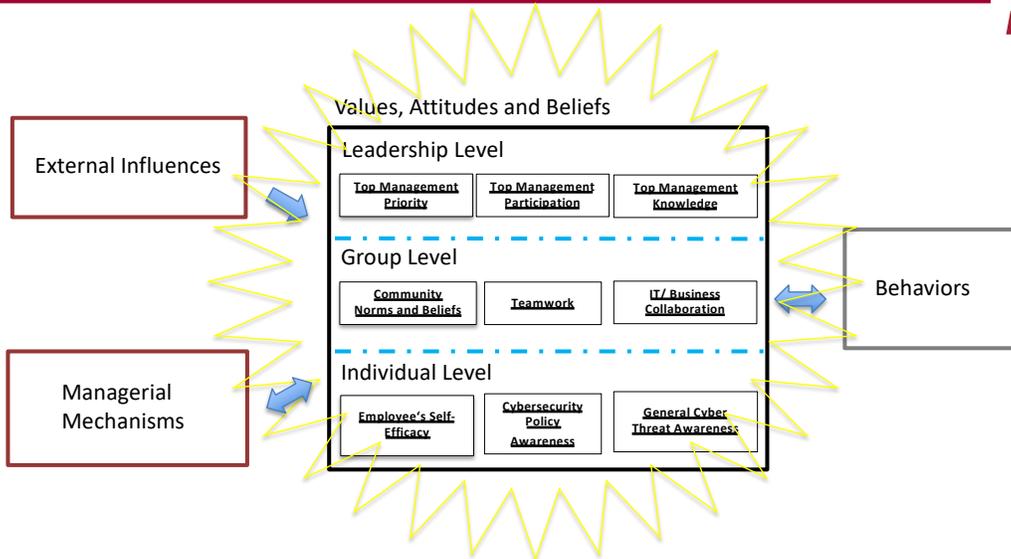
Cybersecurity Culture Model



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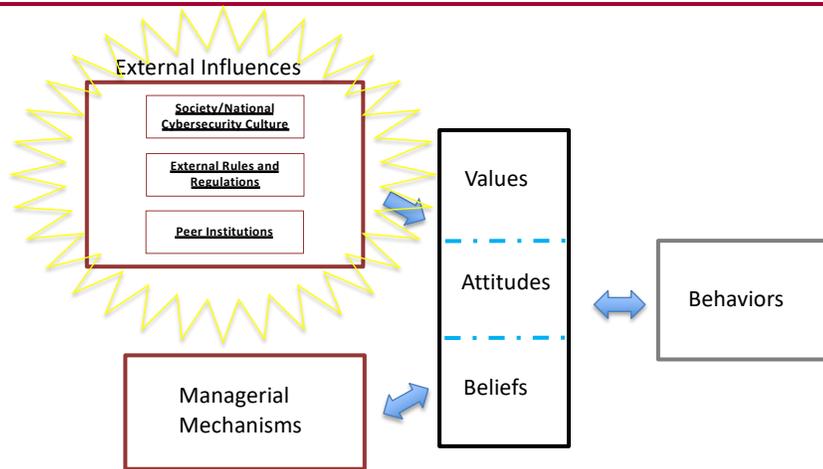
Cybersecurity Culture Model



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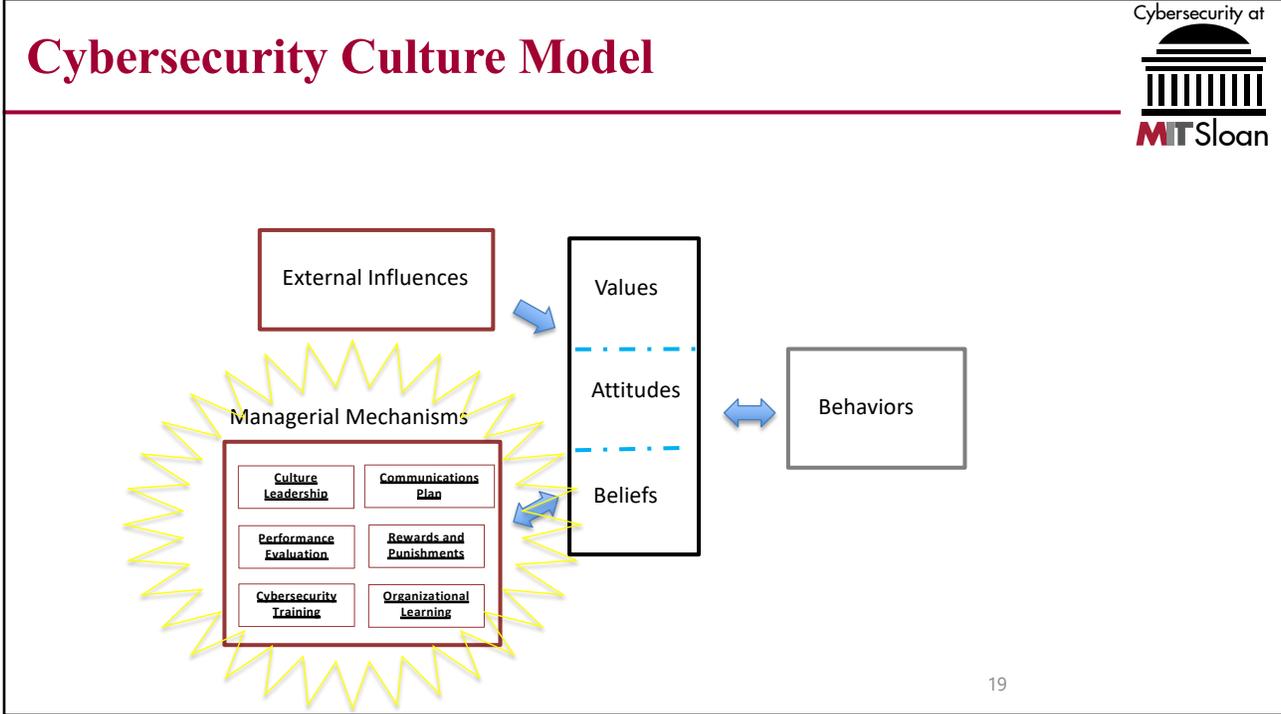
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Cybersecurity Culture Model

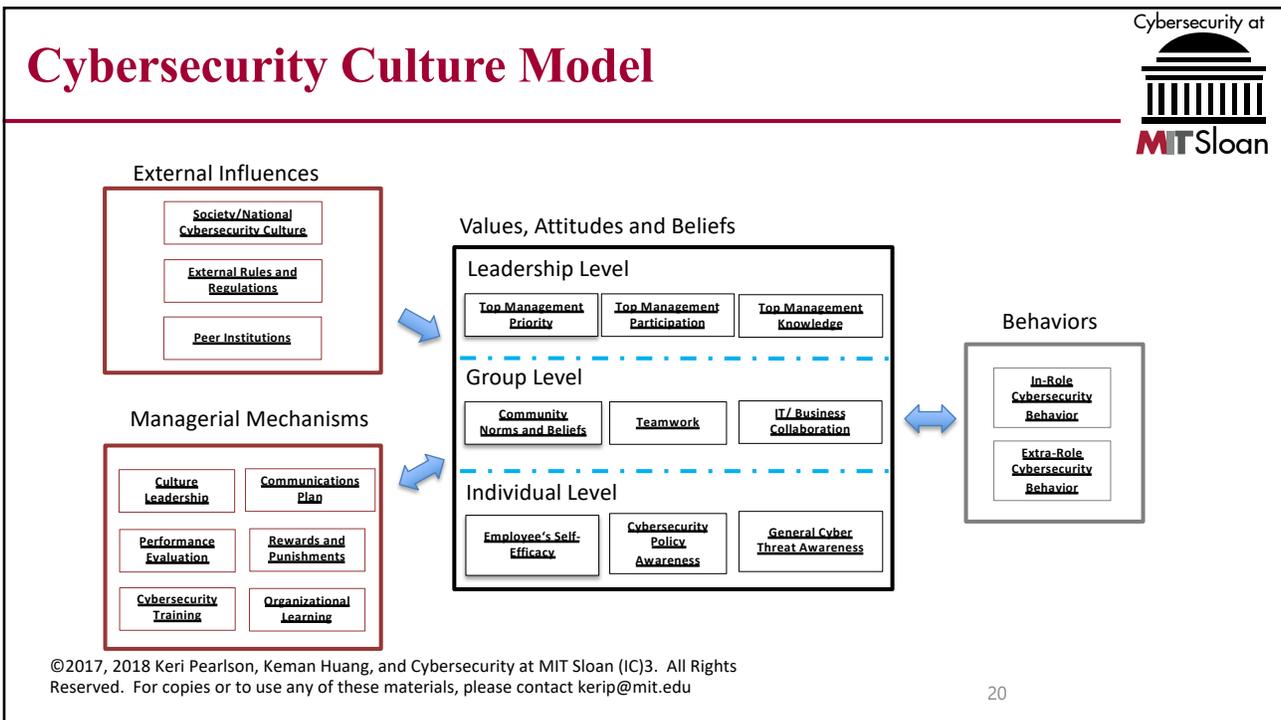


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Call to Action: 3 Things You Can Do Today



1. Identify the values, attitudes and beliefs that drive cybersecurity (and that undermine it) around here. **Reinforce** the ones that help keep you and your company secure.
2. Educate, Communicate, Advocate: Once a year compliance training is not enough (Equifax, Target, TJX, etc. were preventable). **Create cyber moments** at the beginning of each meeting to share an idea with your colleagues.
3. Find ways to create **personal responsibility** for keeping the organization cybersecure (marketing techniques, communications plans, etc.). **Make heroes** out of the people who practice the right security behaviors.

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PROPOSAL FOR THE CULTURE CLUB 2023

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Proposal and Discussion for Moving Forward with Roundtable



- We will focus on managerial, leadership and strategic cybersecurity topics to provide a forum for human risk leaders to find actionable ways to be more secure
- Meet virtually every quarter for 90 min (noon-1:30pm Eastern to accommodate different time zones)
- Agenda includes hot topics discussion and CAMS research showcase
- Invoke “Chatham House Rules” – informal agreement about participation, idea sharing, and protecting sources (no formal agreements)
- We will create a 1-page summary of each meeting suitable for participants to share with colleagues
- We will offer this at no cost to participants (benefit of CAMS Membership)
- We will evaluate how it’s going in Q4 and decide on plans for 2024

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THANK YOU!

Join us! Our research is supported by companies like yours and many others from numerous industries.

More info available at: <https://cams.mit.edu> or contact Lara or Keri: laraw@mit.edu or kerip@mit.edu

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