CAMS Research Priorities for 2021

CYBERSECURITY BUSINESS IMPACT
How secure are we (and how do we measure this)? How do we manage (and minimize) financial and business impact of cyber risk? How can we measure the impact of various options available to us technologically and organizationally? How do we manage third-party risk?

CYBER-PHYSICAL SYSTEMS
What is the best approach to managing cybersecurity of IoT devices, especially those running in plants and complex systems? How do we use a systems approach such as the System-Theoretic Accident Model and Processes (STAMP) to manage the complexity of systems in a structured manner to strategically focus cyber investments.

CYBERSECUIRTY GOVERNANCE
Harmonizing requirements from regulations and rules with needs for cybersecurity. Where do we start? How do we align conflicting requirements? How do we make advances through information sharing? How do we manage the impact of cybersecurity on international business?

CYBERSECURITY CULTURE
Looks at how we influence and increase positive cybersecurity employee behaviors. The goal of this research is to provide managers and leaders with a roadmap of how to build a culture to increase cybersecurity.

HOT TOPICS AND MOONSHOTS
What are the most current issues in cybersecurity management? What are difficult questions that are on the horizon? Some examples: AI/ML, cloud security