

## Cyber Security

### Description

Cybersecurity is becoming critically important to protect against vulnerabilities and risk in cyberspace and its underlying infrastructure, stemming from both physical and cyber threats and hazards. Sophisticated cyber actors and nation-states exploit vulnerabilities to steal information and money and are developing capabilities to disrupt, destroy, or threaten the delivery of essential services. A range of traditional crimes is now being perpetrated through cyberspace. This includes banking and financial fraud, intellectual property violations, and other crimes, all of which have substantial human and economic consequences. This session will describe the difficulties in securing the financial management infrastructure due to a number of factors: the ability of malicious actors to operate from anywhere in the world, the linkages between cyberspace and physical systems, and the difficulty of reducing vulnerabilities and consequences in complex cyber networks. Of growing concern is the cyber threat to critical infrastructure, which is increasingly subject to sophisticated cyber intrusions that pose new risks. As information technology becomes increasingly integrated with physical infrastructure operations, there is increased risk for wide scale or high-consequence events that could cause harm or disrupt services upon which our economy and the daily lives of millions of Americans depend.

**Jane LeClair**, Chief Operating Officer, National Cybersecurity Institute, Excelsior College

### Moderator

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