

Cybersecurity

Session Organizers:

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The Cyber-security session will cover the important area of information assurance. Today's information system is fully networked, widely distributed, and open to end users. While this architecture has provided easy access, user flexibility and rich information, it opens the door for malicious attacks and sabotages.

The goal of cyber-security R&D is to gain a deep and thorough understanding of challenges of protecting critical information systems and to develop effective mechanism and techniques to defend against malicious attacks and intrusions. In both US and Japan, government, industry, and academia are teaming up together in cyber-security research and development. We are looking at ways of reducing vulnerabilities of our information systems and building protection and robustness against potential attacks. We are also developing new intrusion detection and response mechanism to detect and respond effectively against any potential threats and attacks. Lastly we are building information systems that can survive malicious attacks and that can heal and recover from attacks and compromise.

The session will be presented by prominent researchers from both academia and industry in the cyber-security space.