



IEEE Global Communications
Conference
9-13 December 2018
Abu Dhabi, UAE
Gateway to a Connected World



Call for Papers

Communication and Information Systems Security Symposium

Symposium Co-Chairs:

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Scope and Motivation:

As communication and information systems are becoming more indispensable to the society today, security has also become more critical and challenging when many contents, devices and users get connected to the Internet in these days, and this trend will inevitably continue in future. This symposium welcomes manuscripts on all aspects of the modeling, design, implementation, deployment, and management of security algorithms, protocols, architectures, and systems. Furthermore, contributions devoted to the evaluation, optimization, or enhancement of security and privacy mechanisms for current technologies, as well as devising efficient security and privacy solutions for emerging areas, from physical-layer technology to the application layer, are solicited.

Main Topics of Interest:

To ensure complete coverage of the security advances in communication and information systems, this CISS Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Anonymous communication, metrics and performance
- Autonomous vehicle security
- Attack, detection and prevention
- Authentication protocols and key management
- Availability and survivability of secure services and systems
- Biometric security: technologies, risks, vulnerabilities, bio-cryptography
- Cloud, data center and distributed systems security
- Computer and network forensics
- Cryptography for network security
- Digital rights management
- Firewall technologies
- Fog computing security and privacy
- Formal trust models, security modeling, and design of secure protocols
- Malware detection and damage recovery



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- Network security metrics and performance
- Operating systems and application security
- Physical layer security
- Physical security and hardware/software security
- Security for cloud computing and networking
- Security for mobile and wireless networks
- Security for next-generation networks
- Security in healthcare systems
- Security in smart grid communications
- Security in vehicular communications
- Security in virtual machine environments
- Security tools for communication and information systems
- Trustworthy computing