



Call for Papers

Communication and Information Systems Security Symposium

Symposium chairs

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Scope and Topics of Interest

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. This trend will inevitably continue in the future. This symposium welcomes manuscripts on all aspects of the modelling, 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. Topics of interest include, but are not limited to, the following:

- Anonymous communication, metrics and performance
- Attack, detection and prevention
- Authentication protocols and key management
- Autonomous vehicle security
- 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 modelling, and design of secure protocols

- Malware detection and damage recovery
- 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

Submission Guidelines

The IEEE ICC 2020 website (icc2020.ieee-icc.org) provides full instructions on manuscript format and how to submit a manuscript. You will select the desired symposium/track when submitting your manuscript.