IEEE ICC

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Connectivity – Security – Privacy

IEEE | IEEE ComSoc IEEE Communications Society

Call for Papers for *Communication & Information System Security Symposium*

Symposium Co-Chairs

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Scope and Motivation

Owing to the unprecedented advancements in computation and communication technologies, the cyber-threat landscape has also drastically expanded. On the other hand, the inception of futuristic technologies such as the Internet of Everything, where the low-cost resource-constrained devices are connected through the Internet, is a luring playground for cyberattacks. In today's world, communication and information systems are becoming more indispensable to society and because of that security has become more critical and challenging when many contents, devices, and users get connected to the public Internet. This trend will inevitably continue in the future.

In the wake of such cyber threat landscape and cyberattacks, 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 by leveraging futuristic technologies, are solicited. High quality papers reporting on applications of communications theory from both industry and academia are encouraged.

Topics of Interest

The Communication & Information System Security Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Anonymous communications, metrics, and performance
- API security
- Applied cryptography for cyber, information, and network security
- Attack detection and prevention
- Authentication protocols and key management
- Blockchain security
- Cellular network security and privacy (5G and beyond)

- Cloud, data center and distributed systems security
- Connected and autonomous car security
- Emerging technologies and methods for information, cyber, and network security
- Formal trust models, security modeling, and design of secure protocols
- Future Internet Architecture (FIA) security and privacy
- Internet of Things security and privacy
- Malware detection and damage recovery
- Security and privacy in Age of Information (AoI)
- Security for mobile and wireless networks
- Security for next-generation networks
- Security in healthcare systems
- Security in smart grid communications
- Security tools for communication and information systems
- Trust management in networks through emerging technologies
- Vehicular cloud and vehicular social network security

Important Dates

Paper Submission: 12 October 2020

Notification: 25 January 2021

Camera Ready and Registration: 22 February 2021

How to Submit a Paper

All papers for technical symposia should be submitted via EDAS. Full instructions on how to submit papers are provided on the IEEE ICC2021 website: https://icc2021.ieee-icc.org/