



**IEEE International Conference on Communications
20-24 May 2018 // Kansas City, MO, USA**

COMMUNICATIONS FOR CONNECTING HUMANITY



CALL FOR PAPERS

COMMUNICATIONS AND INFORMATION SYSTEM SECURITY SYMPOSIUM

Symposium Co-Chairs

Abderrahim Benslimane, University of Avignon, France
abderrahim.benslimane@univ-avignon.fr

Ming Li, University of Arizona, USA
lim@email.arizona.edu

Chunxiao Jiang, Tsinghua University, China
jchx@tsinghua.edu.cn

Scope and Topics of Interest

The Communications and Information Systems Security Symposium (CISS) will focus on all aspects of cyber security, privacy, trust, and risk management, which poses serious challenges to nowadays-global communications and networks. CISS Symposium will address all aspects of modeling, design, implementation, deployment, and management of computer/network security algorithms, protocols, services, architectures, and systems. Envisaged contributions to CISS symposium target all security aspects of wired networks (electrical/optical) as well as wireless networks. CISS puts a strong emphasis on network-oriented security and privacy, such as security related topics of cloud computing, networking related security in Big Data, IoT, and so on. The topics of interest of the CISS include, but are not limited to, the following areas:

- Anonymity, anonymous communication, metrics and their performance analysis
- Authentication protocols and message authentication
- Authorization and access control
- Availability and survivability of secure services and systems
- Big data security and privacy
- Biometric security
- Botnet detection, prevention, and defense
- Cloud and distributed application security
- Computer and network forensics
- Cryptography and evaluation
- Data center security
- Firewall technologies; intrusion detection, localization, and avoidance
- Formal trust models, security modeling and protocol design
- Key distribution and management
- Lightweight security for IoT
- Location-based services and their security and privacy aspects
- Mobile and wireless network security
- Mobile app security and privacy
- Multi-mode surveillance and homeland security
- Network public opinion analysis and monitoring

- Network function virtualization security
- Operating systems and application security and analysis tools
- Online social networks and their security aspects
- Physical security and hardware/software security
- Privacy enhancing technologies
- Quantum cryptography and communication applications
- Resource allocation, incentives, and game-theoretic approaches
- Security for 5G
- Security in virtual machine environments
- Security in wired systems and optical networks
- Security issues on network middleboxes
- Security of cyber-physical systems
- Security on emerging Internet architectures
- Security risk management
- Software-defined network security
- Trust models, management and certificate handling
- Virtual private networks and group security
- Vulnerability, exploitation tools and virus analysis
- Web, e-commerce, and m-commerce security
- Security in cellular systems, 2G/2.5G/3G/4G and beyond

Submission Guidelines

The IEEE ICC 2018 website provides full instructions on how to submit papers & the paper format.

You will select the desired symposium when submitting.

The paper submission deadline is October 15, 2017.

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at <http://edas.info/>