



INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION(ICICC-2018)

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*****CALL FOR PAPERS FOR SPECIAL SESSION*****

SUBMISSION DUE DATE: 01/12/2017

SPECIAL SESSION ON COMMUNICATIONS AND INFORMATION SYSTEM SECURITY

**International Conference on Innovative Computing and Communication
(ICICC--2018)**

Guest Editor:

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INTRODUCTION

This special session will focus on all aspects of cyber security, privacy, trust, and risk management, which poses serious challenges to nowadays-global communications and networks. This will address all aspects of modeling, design, implementation, deployment, and management of computer/network security algorithms, protocols, services, architectures, and systems. Envisaged contributions to this special session target all security aspects of wired networks (electrical/optical) as well as wireless networks. This 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.

RECOMMENDED TOPICS

The scope of this special session of ICICC 2018 includes, but is not limited to the following topics:

- 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

- 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
- Internet survivability and network resilience strategies
- Mobile cloud, fog, and edge networks
- Mobile security: device, application, data, and content
- Network and service virtualization
- Next-generation access networks
- Next-generation anomaly, intrusion, and attack detection/prevention
- Next-generation flow management: resource sharing, congestion control
- Next-generation Internet applications and services, including interactive media, voice and video, games, virtual reality, and immersive applications
- Next-generation IP multimedia subsystem: architecture and design
- Next-generation network management and control

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **COMMUNICATIONS AND INFORMATION SYSTEM SECURITY** *on or before [1-12-2017]*. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://easychair.org/conferences/?conf=icicc2018>. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **COMMUNICATIONS AND INFORMATION SYSTEM SECURITY** at the top (above paper title) of the first page of your paper.

PUBLICATION:

All the accepted papers (after double blinded peer review) will be published in springer series (Approval pending) and further extended papers will be published in the special issues of SCI/SCOPUS/WoS/DBLP/ACM indexed Journals as per the guidelines of respective journal:

1. Scalable Computing: Practice and Experience (SCPE)

http://www.scpe.org/index.php/scpe_

Indexed In: Indexing- ISI Thompson (Emerging Sources Citation Index), Scopus and many more.

2. International Journal of Imaging and Robotics (IJIR)

<http://www.ceser.in/ceserp/index.php/iji>

Indexed In: SCOPUS (Elsevier Bibliographic Databases), INSPEC, Zentralblatt MATH, Indian Science Abstracts, Ulrich's Periodicals Directory, IndexCopernicus, and International Statistical Institute (ISI, Netherlands).

3. International Journal of Tomography and Simulation (IJTS)

<http://www.ceser.in/ceserp/index.php/ijts>

Indexed In: SCOPUS (Elsevier Bibliographic Databases); Zentralblatt MATH (Zentralblatt für Mathematik), INSPEC, Statistical Theory and Method Abstracts (STMA-Z), SCImago Journal & Country Rank, IndexCopernicus, International Statistical Institute (ISI, Netherlands), Ulrich's Periodicals Directory, Indian Science Abstracts

4. International Journal of Artificial Intelligence (IJAI)

<http://www.ceser.in/ceserp/index.php/ijai>

Indexed In: SCOPUS (Elsevier Bibliographic Databases), INSPEC, Zentralblatt MATH, Indian Science Abstracts, Ulrich's Periodicals Directory, IndexCopernicus, and International Statistical Institute (ISI, Netherlands).

5. International Journal of Natural Research Computing (IJNCR)

<https://www.igi-global.com/journal/international-journal-natural-computing-research/1148>

Indexed In: INSPEC, ACM, Cabell, DBLP, and many more.

6. International Journal of Hybrid Intelligence (IJHI)

http://www.inderscience.com/jhome.php?jcode=ijhi_

and many more journals will be added to the list soon...

All inquires should be should be directed to the attention of:

Dr. Sudeep Tanwar, Dr. Priyanka Sharma

Guest Editors

COMMUNICATIONS AND INFORMATION SYSTEM SECURITY

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