



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

**ORGANISED BY : GURU NANAK INSTITUTE OF MANAGEMENT  
5TH-6TH MAY,2018**

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

**SUBMISSION DUE DATE: 01/12/2017**

**SPECIAL SESSION ON “NEXT GENERATION NETWORKING AND WIRELESS  
COMMUNICATIONS”**

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

**Guest Editor:**

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**INTRODUCTION:**

This special session covers all aspects related to current and future wireless communications and its applications, with a focus on topics related to physical layer (PHY), Medium Access Control (MAC) layer, cross-layer, and PHY-related network analysis and design. High quality papers reporting on novel and practical solutions to PHY, MAC, and cross-layer designs in wireless communication systems are encouraged. In addition, papers on field tests and measurements, field trials and applications from both industries and academia are of special interest. To ensure complete coverage of the advances in wireless communications technologies for the current and future systems, the Wireless Communications special session cordially invites original contributions in, but not limited to, the following topical areas:

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

- Advanced equalization, channel estimation, and synchronization
- Modulation, coding, and diversity techniques
- Antennas, smart antennas, and space-time processing
- MIMO, multi-user MIMO, and massive MIMO

- Millimeter wave and Terahertz communications
- Channel modelling and propagation
- Interference modelling and performance analysis using stochastic tools
- Interference management, alignment, and cancellation
- Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA, NOMA)
- Wireless access techniques, systems, and standards
- Cross-layer design and physical-layer based network issues
- Radio resource allocation and interference management
- Cooperative and relay-aided communications
- Inter-cell interference coordination (ICIC) and coordinated multi-point (CoMP)
- Heterogeneous and small-cell networks
- Hybrid communication systems (e.g. satellite/terrestrial/wireline hybrids)
- Physical layer issues in device-to-device and machine-to-machine communications
- Localization and navigation techniques
- Wireless power transfer and energy harvesting for wireless communications
- Performance analysis of wireless communication systems
- Security issues related to wireless communications
- Physical-layer aspects of wireless sensor networks
- RFID and its applications
- Wireless network coding
- Wireless communications on different media (e.g., underwater)
- Digital broadcasting of audio (DAB), video (DVB), and multimedia (MBMS)
- Wireless system standards
- Wireless communications testbeds, field tests, and measurements
- Cellular systems, 4G, 5G and beyond
- WiMAX, LTE/LTE-A/LTE-A Pro, WMAN, and other emerging broadband wireless networks
- Networking issues in WLAN, WPAN, and other home/personal networking technologies
- D2D communication, LTE-U, NB-IoT
- Body-based wireless networks
- Wireless networks for underwater and UAVs communications
- Delay tolerant wireless networks
- Femtocell networks and traffic offloading
- Wireless mesh networks
- Vehicular wireless networks
- Smart grid networks
- Wireless cloud computing and data center networking
- Machine-to-machine and machine type communications
- Inter-networking and integration of wireless heterogeneous and multi-tier networks
- Reconfigurable wireless networks and SDN
- Novel architectural design and operation models
- Service-centric and overlay networks

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **NEXT GENERATION NETWORKING AND WIRELESS COMMUNICATIONS** *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 **NEXT GENERATION NETWORKING AND WIRELESS COMMUNICATIONS** 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\\_](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\\_](http://www.inderscience.com/jhome.php?jcode=ijhi_)

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

All inquiries should be directed to the attention of:

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Guest Editors

**NEXT GENERATION NETWORKING AND WIRELESS COMMUNICATIONS**

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