

5th INTERNATIONAL CONFERENCE ON INFORMATION SYSTEM DESIGN AND INTELLIGENT APPLICATIONS INDIA (2018)

(19th -21th July, 2018)

Organised by University des Mascareignes, Mauritius

Call for Paper

Special Session on Smart Cities and Internet of Things (SIOT'18)

Theme of Session

This special session is basically focused on the accelerated growth in wired and wireless technologies, new inventions in telecommunications, knowledge based economy and new generation information technology, enhanced wired & wireless broadcast networks, new developments in energy efficient wireless sensor networks which are core of internet of things (IOT) has presented framework to vision Smart cities in future.

Wired/wireless networks, and the wider Internet, are in a state of evolution as a new generation of Internet of Things (IoT) devices are being designed, implemented and deployed. This presents novel challenges for performance modelling regarding the resultant impact on network traffic patterns and emergent behaviors from the predicted billions of new devices, as they require a rapid expansion in terms of network scale. According to the vision underlying the IoT, the next step in increasing the ubiquity of the Internet, after connecting people anytime and everywhere, is to connect inanimate objects. By providing objects with embedded communication capabilities and a common addressing scheme, a highly distributed and ubiquitous network of seamlessly connected heterogeneous devices is formed, which can be fully integrated into the current Internet and mobile networks, thus allowing for the development of new intelligent services available anytime, anywhere, by anyone and anything.

The aim of this conference is to bring together practitioners and researchers from both academia and industry in order to have a forum for discussion and technical presentations on the recent advances in theory, application and implementation of the smart cities and Internet of Things concept: vision, technologies, protocols, algorithms, services and security.

Topic of Interest

- Smart City architecture , infrastructure, technologies, services and applications
- Smart home and management
- Cloud Computing and CDN techniques in Smart City
- Big data in Smart City

- IoT architectures, protocols, and algorithms
- IoT device technologies
- IoT network technologies
- Embedded sensing and actuating
- Radio frequency identification (RFID)
- Wireless sensor networks and adhoc networks
- Real-time and semantic web services
- Data management in IoT
- Localization in IoT
- Reliability, security, privacy and trust
- Energy optimization and sustainable operation of IoT devices
- Security, privacy and Trust in the IoT context
- Novel and emerging IoT applications: including eHealth, Intelligent Transportation Systems, Smart house, smart cities, Smart Grid
- Ethical issues in the IoT applications
- Optimized and robust dynamic spectrum access on IoT
- Network-intrusion detection and security
- Interworking of IoT with Network Functions Virtualization
- Green Internet of Things

Special Session Chairs :

1. Dr. Manju Khari, Ambedkar Institute of Advanced Communication Technology and Research, Govt. Of NCT Delhi (INDIA)
Email id: manjukhari@aiactr.ac.in
2. Dr. Aarti Jain, Ambedkar Institute of Advanced Communication Technology and Research, Govt. Of NCT Delhi (INDIA)
Email id: aartijain@aiactr.ac.in

Special Session Timeline

Paper Submission Deadline: 30th April 2018

Notice of Acceptance: 30th May 2018

Final Camera Registration Submission: 5th June 2018

Conference Date: 19th – 21st July 2018

Paper Submission

All submissions (in word/pdf format) should be mailed with 'INDIA2018: Name of Special Session: ' mentioned in the subject line directly at the Session Chair E-Mail ID: manjukhari@aiactr.ac.in or aartijain@aiactr.ac.in

Submission Guidelines for authors

- Prospective authors are invited to submit original research work that falls within the scope of the session. All submissions will be thoroughly peer-reviewed by experts based on originality, significance and clarity.
- All contributions must be original, should not have been published elsewhere and should not be intended to be published elsewhere during the review period.
- At least one author of an accepted paper must register and present his / her paper in conference.

Paper Format

- Authors are invited to submit manuscripts written in English.
- Prospective authors are invited to submit paper(s) not exceeding 8 pages written in A4 size.
- Portable Document Format (pdf) is acceptable

Publication

All accepted and registered papers of AICC conference will be published in Advances in Intelligent Systems and Computing (AISC) Series, Springer.

** Indexing: The books of this series are submitted to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink **

Please visit conference webpage for registration and other details: <http://www.indiaconf.org/>

