SUBMISSION DUE DATE: **10-12-2018**

SPECIAL SESSION ON "**BLOCKCHAIN, DISTRIBUTED LEDGER TECHNOLOGIES AND DECENTRALIZATION SCHEMES FOR DISTRIBUTED SYSTEMS**"

INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION **ICICC-2019**

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**INTRODUCTION**:
Blockchain technology has emerged as an attractive solution to address performance and security issues in distributed systems. Blockchain's public and distributed peer-to-peer ledger capability benefits cloud computing services which require functions such as, assured data provenance, auditing, management of digital assets, and distributed consensus. Blockchain's underlying consensus mechanism allows to build a tamper-proof environment, where transactions on any digital assets are verified by set of authentic participants Blockchain networks utilize a shared, distributed and fault tolerant ledger platform that every participant in the network can share but no entity can control. Blockchain assume the presence of adversaries in the network and nullify the adversarial strategies by harnessing the computational capabilities of the honest nodes and information exchanged is resilient to manipulation and destruction.

**RECOMMENDED TOPICS:**
Topics to be discussed in this special session include (but are not limited to) the following:

- Lightweight protocols and algorithms based on blockchain
- Smart contracts
- Scaling issues of blockchain
- Blockchain and Bitcoin security
- Distributed blockchain schemes for decentralization
- Security, privacy and trust of blockchain and decentralized schemes
- Performance optimization of blockchain and decentralized schemes
- Attacks on existing blockchain protocols and platforms
- Distributed consensus and fault tolerance mechanisms
- Blockchain in social networking, crowd-sourcing, and crowd-sensing
- Blockchain in edge computing
- Key management in IoT blockchain
- Applications in e-Governance, Big Data, Cloud and Edge Computing, Internet of Things

**SUBMISSION PROCEDURE:**
Researchers are invited to submit papers for this special theme session on "**BLOCKCHAIN, DISTRIBUTED LEDGER TECHNOLOGIES AND DECENTRALIZATION SCHEMES FOR DISTRIBUTED SYSTEMS**" on or before **10-12-2018**. 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 http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify "**BLOCKCHAIN, DISTRIBUTED LEDGER TECHNOLOGIES AND DECENTRALIZATION SCHEMES FOR DISTRIBUTED SYSTEMS**" at the top (above paper title) of the first page of your paper.

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