CALL FOR PAPERS

INTERNET OF THINGS (IOT) SYMPOSIUM

Symposium Co-Chairs

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Scope and Topics of Interest

Internet of Things (IoT) refers to the network of physical devices, vehicles, home appliances, and other items for the purpose of connectivity and data exchange. The whole system of electronics, sensors, actuators, and related software increases the possibility for more direct integration of the physical world into the computer-based one, resulting in efficiency improvements, economic benefits, and reduced human exertions. The exponential growth of the number of IoT devices poses many challenges to the area of communication, including system architecture, communication and networking protocol, sensor technologies, big data management, and computing, among others.

The aim of the IoT Track of the Symposium on Selected Areas on Communications (SAC) is to provide a forum that brings together scientists and researchers from all over the world to present their cutting-edge innovations in all aspects of the field. Papers on practical applications and R&D results from industry and academic/industrial collaborations are particularly encouraged.

To ensure complete coverage of the advances in this field, the IoT Track of the SAC Symposium solicits original contributions in, but not limited to, the following topical areas:

- Emerging hardware architectures for IoT
- Computational and artificial intelligence algorithms for IoT
- Fog and cloud computing for (nearly) real time analytics
- Information theoretic analysis in IoT
- 5G for IoT
- Massive access scheme for mobile users with large-scale mobility in IoT
- Massive data reduction and simplification for energy efficient IoT
- Low power cost and energy efficient resource allocation scheme
- Interference suppression for massive users in IoT
- Advanced spectrum sensing/sharing techniques for IoT
- Advances in massive MIMO systems
- IPv6 and other scalable addressing / identification mechanisms for IoT
- Innovative protocols for IoT (all the layers)
- New communications mediums for low power wide area networks
- Networks co-existence and heterogeneity support
- Machine to machine (M2M) and cellular-based protocols for IoT
- Software defined networks and personal networks deployment in IoT
- Big Data, data analytics, stream processing and scalable data management
- Privacy, data ownership, security, trust and identify management in IoT
- Mobility, localization and context-adaptive IoT

- Applications and solutions for factories, smart cities, wearables equipment, home appliances etc.
- Standardization

Submission Guidelines

The IEEE ICC 2019 website provides full instructions on how to submit papers and the paper format.

You will select the desired symposium when submitting papers.

The paper submission deadline is October 14, 2018.

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