

IEEE S-IoT 2017

Workshop on Scalable Internet of Things

Held in conjunction with

The international conference on selected topics in
Mobile and Wireless Networking (MoWNet'2017)

17-19 May, 2017

Avignon, France

CALL FOR PAPERS

Important Dates

Paper Submission: February 15, 2017

Acceptance Notification: March 1, 2017

Camera-ready Submission: March 15, 2017

The Internet of things (IoT) started to grip traction beyond anyone has imagined. IoT revolves around device-to-device communication and getting billions of devices communicate with each other autonomously in a scalable fashion. IoT is built on cloud computing technologies and networks of real time data-gathering sensors. IoT doesn't function without cloud-based applications that interpret and transmit data coming from heterogeneous sensors. However, the real value of IoT is not about collecting and analyzing streams of data, but rather on creating innovative techniques and mechanisms that turn this data into actions.

The S-IoT workshop is intended to create a platform for researchers, developers, and practitioners in current IoT and ubiquitous computing from academia, industry, and service providers to share and discuss their ideas, experiences, challenges, and practical implementations related to the Internet of Things. We encourage high quality submissions addressing current challenges and proposing novel research directions. We invite technical research papers, industrial papers, position papers, and tool demonstration papers.

Topics of Interest Include (but are not limited to):

- IoT infrastructure stack
- Data aggregation and middleware architecture
- Rule-based end-user programming
- IoT end-user APIs
- Emerging IoT applications
- IoT-oriented cloud architectures and deployments
- Mobility support for ubiquitous data access
- Mobile data and storage architectures
- Software architecture and design for IoT
- Context management in ubiquitous IoT scenarios
- Mobile sensing Big Data: paradigms and techniques
- Localization mechanisms and algorithms
- Computation offloading: strategies and techniques
- Performance evaluation of IoT techniques and models
- Reliability, availability, and scalability in ubiquitous IoT
- Energy and resource optimization in IoT
- Privacy and security protections in IoT scenarios

Submission Guidelines

Authors are required to submit fully formatted, original papers (PDF), with graphs, images, and other special areas arranged as intended for the final publication. Papers should be written in English conforming to the IEEE standard conference format (8.5" x 11" - US letter, Two-Column). Final submissions are limited to 8 IEEE pages. Papers must be submitted by February 15, 2017 using EDAS (<http://edas.info/N21948>).

Workshop Chairs

Khalid Elgazzar

University of Louisiana, USA

Sherin Abdelhamid

Ain Shams University, Egypt

Hossam Hassanein

Queen's University, Canada

Details on website

s-iot.weebly.com

