



## Call for Papers

### SS08 - Fog and Industrial IoT Applications

Organized and Co-Chaired by (sorted by last name)

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❖ **FOCUS.** Industrial IoT (IIoT) refers to IoT systems used in the industrial areas, providing the infrastructure that underpins our Smart Society. Fog Computing is a system-level architecture that distributes resources and services of computing, storage, control and networking from Cloud to Things. Fog and IIoT are key enabling technologies for Industry 4.0. However, there are so far very few realistic industrial use cases for Fog and IIoT. This special session will present Fog and IIoT use cases, applications, and benchmarks. The use cases, applications and benchmarks will provide realistic requirements to drive the research work in these areas, facilitating comparisons.

#### ❖ TOPICS

- ❖ Use Cases for and Applications of Fog Computing
- ❖ Discussion of Open Datasets and Testbeds in the Fog Computing realm
- ❖ Real-time fog and IIoT applications
- ❖ Fog Computing Security, Data Privacy and Trust
- ❖ Fog Computing Dependability and Safety
- ❖ Fog and IIoT Smart Transportation
- ❖ Fog and IIoT Industrial Robotics
- ❖ Fog and IIoT in Industry

❖ **AIM.** The aim of this SS is to present recent developments and trends that represent challenges and opportunities for design-automation researchers and practitioners. In particular, we seek papers that identify, describe, and discuss use cases and applications of Fog and Industrial IoT, as well as data sets and scenarios that can be shared with the research.

❖ **CONFERENCE FORMAT.** The conference will comprise multitrack sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations, as well as work-in-progress (WIP) and industry practice sessions.

#### ❖ AUTHOR'S SCHEDULE (2020)

##### ❖ Regular and special sessions papers

Submission deadline ..... April 1  
 Acceptance notification ..... May 6  
 Deadline for final manuscripts ..... June 17

##### ❖ Work-in-progress/ Industry practice papers

Submission deadline ..... May 13  
 Acceptance notification ..... June 10  
 Deadline for final manuscripts ..... June 17