



IoT-ASAP 2018 - Second International Workshop on Engineering IoT Systems: Architectures, Services, Applications, and Platforms

<https://iotasap.github.io/IoTASAP2018/>
(tentative date) April 30, 2018, Seattle, USA

In conjunction with

IEEE International Conference on Software Architectures (ICSA 2018) <http://icsa-conferences.org/2018/>

Key Dates

Paper submission deadline:	March 8, 2018
Paper acceptance notification:	March 29, 2018
Camera-ready accepted paper deadline:	April 12, 2018
Workshop:	April 30, 2018 (tentative date)

Workshop Overview

To exploit all the benefits of the Internet of Things (IoT), a wide range of challenges needs to be addressed. The objective of IoT-ASAP 2018, Second International Workshop on Engineering IoT Systems: Architectures, Services, Applications, and Platforms, is to bring together researchers and practitioners from several areas (e.g., Architecture, Internet of Things (IoT), Service-Oriented Computing, Self-Adaptive Systems, Multi-Agent Systems, User Interaction and Experience) to investigate and discuss the latest R&D trends, principles, challenges of, and (interdisciplinary) approaches for engineering IoT systems.

Topics related to IoT Architectures, Services, Applications, and Platforms include but are not limited to:

- Design approaches for IoT systems
- Architectural interoperability in IoT systems
- Quality aspects in the IoT (e.g., runtime dependability, validation, verification, security)
- Self-adaptation and context-awareness in the IoT
- User requirements specification and engineering for smart user-interactions in the IoT
- Discovery, composition and analysis of (intelligent) services and applications
- Engineering for emergent behavior in the IoT
- (Continuous) deployment, composition, and monitoring in the IoT

- Autonomous agents and multi-agent IoT architectures, e.g., collaboration, reasoning
- Model-driven engineering for IoT systems
- Frameworks and middleware for the IoT
- Cloud computing for the IoT
- State-of-practice, experience reports, industrial experiments, and case studies in the IoT
- Simulation techniques and tools for the IoT
- Interdisciplinary approaches for IoT systems
- Formal methods for IoT systems

Application areas include - but are not limited to:

- Smart Home, Smart Living
- Smart Cities, Smart Transportation, Smart Energy
- Smart Health, Smart Learning
- Industry 4.0 / Industrial Internet
- System of IoT Systems

Submissions

We welcome 8-page long papers and 4-page short papers. The papers must follow ICSA technical papers formatting guidelines and be submitted via <https://easychair.org/conferences/?conf=iotasap2018>. All accepted contributions will be published in the ICSA 2018 Companion Proceedings and appear in IEEE Xplore Digital Library.

Organizing Committee

Romina Spalazzese, Malmö University, Sweden
Marie C. Platenius, Paderborn University, Germany

Steffen Becker, Universität Stuttgart, Germany
Gregor Engels, Paderborn University, Germany

To contact the organizers, send an email to romina.spalazzese@mah.se or m.platenius@upb.de.

