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://www.easychair.org/conferences/?conf=ToDo. All accepted contributions will be published in the ICSA 2018 Companion Proceedings and appear in IEEE Xplore Digital Library.

Organizing Committee

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