



IoT-ASAP 2019 - Third International Workshop on Engineering IoT Systems: Architectures, Services, Applications, and Platforms

<https://iotasap.github.io/IoTASAP2019>

(tentative date) March 25, 2019, Hamburg, Germany

In conjunction with

IEEE International Conference on Software Architectures (ICSA 2019) <http://icsa-conferences.org>

Key Dates

Paper submission deadline:	January 17, 2019
Paper acceptance notification:	February 07, 2019
Camera-ready accepted paper deadline:	February 21, 2019
Workshop:	March 25, 2019 (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 2019, Third International Workshop on Engineering IoT Systems: Architectures, Services, Applications, and Platforms, is to bring together researchers and practitioners from several areas (e.g., Architecture, IoT, Service-Oriented Computing, Self-Adaptive Systems, Multi-Agent Systems, Data Analytics, 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
- Data analytics and machine learning for 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=iotasap2019>. All accepted contributions will be published in the ICSA 2019 Companion Proceedings and appear in IEEE Xplore Digital Library.

Organizing Committee

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