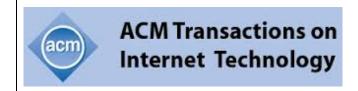
Call for Papers for a Special Section on

Service Management for the Internet of Things

http://toit.acm.org/announcements.cfm



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Important deadlines

Submission: 15 May 2017

Preliminary decisions: 15 August 2017 Revised manuscripts: 15 October 2017 Final decisions: 15 December 2017 Final manuscripts: 15 January 2018

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Submission Instructions

http://toit.acm.org/submission.html
Please select "Special Section: Service
Management for IoT" in the Manuscript

Central website

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Over the years, Service-Oriented Computing (SOC) has evolved into a methodology for software engineering. SOC has been successfully developed, deployed and experienced in different areas, such as the Web and Grid systems.

However, SOC, in both its foundations and methodologies, has not kept pace with the challenges posed in Internet of Things (IoT) settings. This special section focuses on service management for the Internet of Things, which is an emerging research area for investigating techniques for establishing and maintaining IoT infrastructures, platforms and applications based on the SOC paradigm. The techniques include those for designing, deploying, configuring, and controlling services-based IoT systems and applications.

Topics of interest include:

- Design time management of IoT services
 - Theoretical foundations, design, and specification
 - Architectures, infrastructure, and platforms
 - Discovery, customization, and composition
 - Analytics and reengineering
 - Cognitive services
- Runtime management of IoT services
 - Provisioning and deployment
 - Monitoring and control
 - Adaptation
 - Nonfunctional properties of IoT services
 - Security
 - Privacy
 - Trust
- Services-based IoT systems and applications
 - Social media
 - Health care delivery
 - Smart cities, smart homes, and smart transportation
 - Finance
 - Embedded and real-time services
 - RFID