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Call for Papers

Journal of Internet Services and Applications (JISA)

Thematic Series on Smart Cities - Enabling Services and Applications

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The unprecedented level of urbanization and consequent growth in size and numbers of cities in different parts of the world present both challenges and opportunities. The proliferation of “Smart Cities” initiatives around the world is part of the strategic response by governments to the challenges and opportunities of increasing urbanization and the rise of cities as the nexus of societal development.

Smart Cities provide a framework for urban transformation that harness Information and Communication Technologies and Knowledge Infrastructures for economic regeneration, social cohesion, better city administration and infrastructure management.

A Smart City is inherently a complex “Socio- technical System of Systems”. Emerging ICT paradigm such as data-intensive computing (Big data), Open Data, Internet of Things, Physical-Cyber-Social Computing and Cloud Computing, are key to the realization of the vision of Smart Cities. In fact, real-world Smart Cities are being enabled by a combination of these paradigms using a mixture of architectures (centralized, decentralized, and a mixture of both) and infrastructures such as Middleware, and IoT Platforms.

The creation of innovative applications for Smart Cities using this infrastructure is crucial to success. Smart City applications can be in the areas of Economy, Environment, Energy, Water, Waste, People (intellectual endowment and engagement), Lifestyle Building, Mobility (Transportation), and public spaces.

This JISA Thematic Series aims at providing innovative contributions to the research and development of novel approaches for the design and development of Infrastructure, Services and Applications for the Smart City and Urban context. Submissions involving both novel technical advances as well as demonstrations or evaluation involving real-world data are preferred.

Topics include, but are not limited to the following:

Architectures and Paradigms for Smart Cities

- Theoretical foundations on Smart City services and applications
- Data-intensive computing (Big Data) for the City
- Open Big City Data and Urban-Scale Data Sharing
- Internet of Things in the City
- System of Systems & Cloud Computing Approaches for Smart City
- Centralized and/or Decentralized Architectural Approaches to Smart City

Infrastructures for Smart Cities

- Design and implementation of Internet of Things infrastructure services for Smart City
- Middleware support for Heterogeneous Smart City infrastructures
- Services for cooperative sensing Context-, Resource-, and Semantic-awareness for Smart City
- Service Innovation and Design for Smart Cities
- Dynamic configuration and self- or autonomic- management of Smart City middleware
- City-as-a-Platform

Applications, Experiences, and Requirements for Smart Cities

- Case studies on evaluation and deployment of Smart City Services and Applications: challenges, techniques, and lessons learned
- Empirical and deployment studies for Urban Infrastructures
- End-to-end applications for Smart Cities
- Infrastructure requirements for next-generation Smart City solutions

JISA is an open access journal. Recent papers can be downloaded from jisajournal.com/content

Important Dates

- Manuscript due: May 15th, 2015
- First response from reviewers: July 1st, 2015

Submission Instructions

Before submission, authors should carefully read over the Instructions for Authors, which are located at jisajournal.com. Manuscripts are typically 14 two-column pages in length, and should not exceed 16 pages.

Prospective authors should submit an electronic copy of their complete manuscript through the Springer Open submission system at jisajournal.com/manuscript according to the submission schedule. They should choose the correct Thematic Series in the “sections” box upon submitting. In addition, they should specify the manuscript as a submission to the “Thematic Series on Smart Cities - Enabling Services and Applications” in the cover letter. It is the wish of the JISA board that all quality articles will be published in the journal independent of the funding capacity of the authors. Thus, if the authors are unable to pay the APC charge, we request that they contact the lead guest editors so that a waiver can be granted.

Guest Editors

- [Edward Curry](#), University College Dublin, Ireland
- [Schahram Dustdar](#), Vienna University of Technology, Austria
- [Michael Sheng](#), University of Adelaide, Australia
- [Amit Sheth](#), Kno.e.sis Center at Wright State University, USA

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