

The First EAI Conference on Smart Societies, Infrastructure, Technologies and Applications

SCITA 2017

Jeddah, Saudi Arabia

27 – 29 November 2017

Important Dates

Full Paper Submission Extended Deadline (FINAL): 30 September 2017

Poster (Extended Abstract) Submission Extended Deadline (FINAL): 30 September 2017

Notification: 7 October 2017

Camera-ready Deadline: 15 October 2017

Conference Dates: 27 November to 29 November 2017



Rapidly increasing capacities, decreasing costs, and improvements in computational power, storage, and communication technologies have led to the development of a multitude of applications carrying increasingly large amount of traffic (i.e. big data) on the global networking infrastructure. What we have seen is a rapid evolution: an infrastructure looking for networked applications has evolved into an infrastructure struggling to meet the social, technological and business challenges posed by multitude of bandwidth hungry emerging applications. Smart city applications are at the forefront of these developments.

Smart cities provide the state of the art approaches for urbanisation, having evolved from the developments carried out under the umbrella of knowledge-based economy, and subsequently under the notion of digital economy and intelligent economy. Smart cities encompass all aspects of modern day life, transportation, healthcare, entertainment, work, businesses, social interactions, and governance. Smart cities exploit physical and digital infrastructure, as well as the intellectual and social capital, for urban and social development. Technically, smart cities are complex systems of systems that rely on converged and ubiquitous infrastructures. The smart city phenomenon is driven by several interdependent trends including a pressing need for environmental sustainability, and peoples' increasing demands for personalization, mobility and higher quality of life.

The notion of smart cities can be extended to smart societies; i.e. digitally-enabled, knowledge-based societies, aware of and working towards social, environmental and economic sustainability. Since knowledge, and human and social capital are at the heart of smart city and smart society developments, the role of education should extend beyond the mainstream “education for employment” scope. It should extend to the notion of social and collaborative governance where the society collaborates to train each other in maintaining its knowledge, moral fibre, operations, good practice, resilience, competitiveness, and for bringing innovation, and becoming a knowledge-based economy. The key to such efforts would be the creation of an ecosystem of digital infrastructures that are able to work together and enable dynamic real-time interactions between various smart city subsystems.

This Summit SCITA 2017 will bring together decision makers, top researchers, industry executives and government officials to discuss directions of smarter societies research and development.

We name this summit SCITA, meaning “*the sum of all the political, economic, technological, scientific, military, geographical, and psychological knowledge of the masses and of their representatives*”.

Themes and Tracks

- Smarter Society Applications (Healthcare, Mobility ...)
- Smart Infrastructure (distributed systems, HPC, Big Data ...)
- Social Capital Development and eGovernance
- Innovation and Entrepreneurship
- Crosscutting Themes

Submission and Proceedings

You are invited to submit Full Papers (Max. 15 pages), Short Papers (Max. 6 pages), or Posters (extended abstracts of up to 3 pages) in SPRINGER LNICST format comprising original unpublished work relevant to the SCITA themes and topics. Papers must be submitted through [EAI Confy system](#).

Submitted manuscripts will be judged on significance, originality, relevance, correctness, and clarity. Manuscripts must be original work, and may not be under consideration for another conference or journal. Further details of the submission procedures are available [here](#).

All accepted papers will be included in the conference proceedings, published by Springer as part of the [Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering \(LNICST\)](#) book series and will be available for worldwide access through Springer’s digital library [Springerlink](#). The LNICST proceedings volumes are submitted for inclusion to the leading indexing services: *ISI Thomson's Scientific and Technical*

Proceedings at Web of Science, EI Elsevier, Scopus, CrossRef, Google Scholar, DBLP, as well as EAI's own EU Digital Library (EUDL).

Special Issues

Selected papers from the summit proceedings will be invited to contribute to a special issues of the [Mobile Networks and Applications \(MONET\)](#) journal (*ISI Impact Factor 2016: 3.259*) published by Springer. Additional special issues are being considered.

Tutorials

Tutorials will be provided on infrastructure development for smart societies (including big data (Hadoop, Spark and the relevant technology landscape), HPC (GPU, MPI, OpenMP, MIC), and smart societies applications including healthcare and transport.

Topics

- smart transportation systems for smart societies
- smart and personalized healthcare systems for smart societies
- smart buildings, smart homes and smart energy grids
- Computational and artificial Intelligence applications for smart societies
- Big data applications for smart societies
- mobile applications for smart societies
- analytics for smart societies
- eGovernance for smart societies
- social networks and media
- modelling and analysis of smart society technologies, applications and systems
- High Performance computing infrastructure and applications for smart societies
- Artificial Intelligence methodologies, tools, software for smart societies infrastructure
- Internet and Web infrastructure for smart societies
- IoT based approaches for smart societies infrastructure
- Big data technologies for smart societies infrastructure
- cloud, fog and edge computing for smart societies
- studies focussed on communication networks for smart societies
- information management for smart societies
- security and privacy of smart society systems
- innovation and entrepreneurship in smart society settings
- Software defined approaches for system design including networking and interactions
- Social capital development for smart societies
- Lifelong learning for smart societies
- Social capital development for smart societies
- eLearning and distance learning for smart societies

- Collaborative and social learning
- Social intervention methodologies
- Innovation and Entrepreneurship
- Smart citizens
- Smart living and living spaces
- Smart environment
- Smart economy
- Smart Grid
- Industry 4.0

Conference Fees

The conference fees will be kept to a minimum to allow maximum participation.

Best Paper Awards

Three best papers will be selected from the accepted papers and their conference registration fees will be waived off.

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