

Sustainable Smart Cities and Territories International Conference

Doha (Qatar)

27th-29th April 2021



SCOPE

It is expected that the world's population will reach 9.7 billion in 2050. By then, two-thirds of the population will live in urban environments. Critical social and ecological challenges that cities will face include urban violence, inequality, discrimination, unemployment, poverty, unsustainable energy and water use, epidemics, pollution, environmental degradation, and increased risks of natural disasters. The concept of smart cities, born in the early 2000s, attempts to provide solutions to these challenges by implementing information and communication technologies. The initial concept of smart cities focused on the modernization of megacities. However, most of the so-called smart cities are just cities with several smart projects. The most promising trend is the creation of smart micro-territories, defined as hi-tech small towns, districts or satellite towns near megacities. With the current availability of enormous amount of data, the challenge is to identify intelligent and adaptive ways of combining the information to create valuable knowledge. Sensorization has played a fundamental role in the collection of data, which, once analyzed in IoT and smart cities platforms, has allowed for the optimization of multiple decisions regarding governance and resource consumption optimization.

SSCt2021 is the International Conference on Sustainable Smart Cities and Territories, an open symposium which brings together researchers and developers from academia and industry to present and discuss the latest scientific and technical advances in the fields of Smart Cities and Smart Territories. It will promote an environment for discussion on how techniques, methods, and tools help system designers to accomplish the transition from the current cities towards those we need in a changing world. Brand new ideas will be greatly appreciated as well as relevant revisions and actualizations of previously presented work, project summaries and PhD thesis. The SSCt2021 program will include keynote addresses, a main technical track, a workshop program and doctoral consortium.

TOPICS

The topics of interest for the SSCt2021 conference include, but are not limited to:

- Smart cities and smart territories successful cases and challenges.
- Smart homes and smart buildings.
- Smart infrastructures (network, 5G, grids, lighting, water and waste).
- Smart urban mobility and intelligent transportation systems.
- Smart health and emergency management (epidemy control).
- Smart environments.
- Smart travel and smart tourism.
- Smart manufacturing and smart logistics.
- New retail and smart commerce.
- Smart urban governance.
- Eco-urbanism, urban resilience and climate change mitigation and adaptation.
- Energy and climate policy.
- Intelligent traffic control.
- Crowd behaviour capturing and modelling and crowd management.
- Human-machine interactions.
- Artificial intelligence and machine learning.
- Open data and big data analytics.
- Data security and safety, blockchain.
- Sensor-driven analytics and services.
- Context-aware systems.

SUBMISSION

All proposed papers must be submitted in electronic form (PDF format) using the SSCt 2021 conference management system.



For a paper to appear in the proceedings, at least one of the authors must register for the conference by the camera-ready copy deadline. Papers must be presented by one of the authors at the conference live.

Review process

SSCt 2021 welcomes the submission of application papers with preference to the topics listed in the call for papers. All submitted papers will undergo a thorough review process; each paper will be refereed by at least three experts in the field based on relevance, originality, significance, quality and clarity. The papers must consist of original, relevant and previously unpublished sound research results related to any of the topics of the conference.

Each submission must be identified as presenting (1) theoretical/methodological research, (2) applied research/emerging applications, (3) a deployed application, and will be reviewed using criteria appropriate to its category, (4) literature surveys. These criteria are as follows:

- Theoretical/methodological research: Scientific significance, originality, technical quality, and clarity.
- Applied research/emerging applications: Significance for theoretical research or promise for application deployment.
- Deployed application: Demonstrated practical significance; originality; treatment of issues of engineering, management, and user acceptance; and clarity.
- Literature survey: Well-developed body of research, the inclusion of works from several authors, significance, clarity, open research questions.

Publication

Accepted papers will be included in SSCt2021 Proceedings. At least one of the authors will be required to register and attend the symposium to present the paper in order to include it in the conference proceedings. All accepted papers will be published by AISC Springer Verlag.

** Indexing: The books of this series are submitted to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink **



Special Issues

Authors of selected papers from SSCt2021 will be invited to submit an extended and improved version to special issue in different journals.

COMMITTEE

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