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#### IMPORTANT DATES

Submission of Special Sessions: 11 March 2016

Submission of draft papers: 11 April 2016

Notification of acceptance: 6 June 2016

Final submission: 27 June 2016

Early registration: 30 June 2016

**WEB SITE** <http://sites.ieee.org/isc2/>

**CONTACTS** [isc2-2016-chair@unitn.it](mailto:isc2-2016-chair@unitn.it)

[isc2-2016@unitn.it](mailto:isc2-2016@unitn.it)

## CALL FOR PAPERS

According to the United Nations projections, urbanization combined with the overall growth of the world's population could add another 2.5 billion people to urban populations by 2050: the world's population in urban areas is expected to be over 6 billion. Consequently, effective management of urban areas is one of the most important development challenges of the 21st century: it may open significant opportunities for economic growth, but also creates many threats that municipalities need to tackle, including increasing living costs, growing crime rates, difficulties in epidemics control, management of strategic infrastructures, exponential growth of data and potential cultural disagreements to name a few. It is clear that new technologies are essential to address the above challenges and the IEEE, as one of the world's leading professional associations for the advancement of technology, is at the forefront of helping the world address urban population growth.

The IEEE International Smart Cities Conference (ISC2) is the premier conference sponsored by the **IEEE Smart Cities Initiative** and the **IEEE Italy Section**. The primary goal of the ISC2 is to foster discussions and collaborations between all people involved in planning and implementing successful smart cities, including citizens, policy makers, administrators, infrastructure operators, industry representatives, economists, sociologists and academicians. Specifically, the core purposes of the event are:

- to promote and strengthen partnerships and cooperation between all involved entities;
- to increase the citizens understanding and awareness of how their active participation through new technologies can positively affect quality of life;
- to disseminate recent research advancements, novel implementations and advanced deployments fostering smart city evolution;
- to provide a clear view of challenges in urban areas and discuss new ideas and approaches promoting the transition towards a vibrant innovation-based society.

The program of this flagship event includes panels, plenary talks, technical sessions, tutorials, exhibitions and a hackathon. Panels are a fundamental feature of ISC2. They bring together speakers from around the world, representing different viewpoints from government, industry, and academia in order to promote interactive discussion on how technological and social innovation can positively affect urban environments. In tutorials, experts present challenging or emerging topics to researchers, practitioners or to the wide public. Exhibitions encompass innovative world-class hardware and/or software products, with a significant potential impact for smart cities evolution.

The Technical Sessions focus on challenging and emerging issues in the field of smart cities. They cover new developments in theory, analytics, numerical simulation and modeling, experimentation, advanced deployment and case studies, results of laboratory or field operational tests, and other related creative endeavors as well as special educational developments for smart city curricula.

The theme of the 2016 edition of ISC2 is **Improving the citizens quality of life**.

The Technical program topics include, but are not limited to:

- Smart city theory, modeling and simulation
- Intelligent infrastructure
- Sensors and actuators
- Smart economy development
- Open data and big data analytics
- Safety and security systems
- Smart healthcare
- Smart emergency management
- Smart environment and policy development
- Citizen engagement and smart governance
- Connected Vehicle (CV) technologies
- Smart mobility and transportation
- Internet of Things (IoT) for smart cities
- Intelligent vehicle-to-infrastructure integration
- Smart grid
- Environmental capital reduction
- Digital city and smart growth
- Smart traffic system operations
- Smart buildings
- Smart city implementation
- Pedestrian and bicyclist safety; mobility systems
- Smart city for special needs
- Smart manufacturing and logistics
- Environmental monitoring technologies

Proposals for Special Sessions are solicited (see the **Call for Special Session Proposals**).

Prospective authors are invited to submit high quality original **Full** or **Short papers** via the EDAS submission site ([link](#)). **Full papers** should describe novel research contributions with evaluation results and are limited to **6** pages (two additional

pages are allowed with a per-page extra fee of 100€).

**Short papers**, limited in length to four (4) pages, should be more visionary in nature and are meant to discuss new challenges and visions, showcase early research results, and explore novel research directions.

All submitted papers must be unpublished and not considered elsewhere for publication, should be written in English and formatted according to [IEEE Template](#).

Each submitted paper will pass through the standard IEEE peer-review process and, if accepted and presented at the Conference, will appear in the conference proceedings and will be submitted for inclusion in the [IEEE Xplore digital library](#).

Paper contests will include a **Conference Best Paper Award** and a **Best Student Paper Award**.

A Special Issue in [IEEE Transactions on Intelligent Transportation Systems](#) will promote the dissemination of the best results presented at the ISC2-2016 aiming at improving Transportation in Smart Cities. In addition, authors of papers presented during the ISC2-2016 are allowed to submit suitably extended versions of their papers to one of the following journals, according to the respective scope: [IEEE System Journal](#), [IEEE Transactions on Instrumentation and Measurement](#). Agreement with other perspective Journals is underway.