

# The 2017 IEEE Conference on Smart City Innovations (IEEE SCI 2017)

August 4-8, 2017, San Francisco Bay Area, USA

<http://iee-smartworld.org/2017/sci/>

## Important Dates

**Workshop Proposal Due:** January 30, 2017  
**Paper Submission Deadline:** March 10, 2017  
**Author Notification Date:** May 10, 2017  
**Camera-ready Deadline:** June 10, 2017

## General Chairs

Mark S. Fox, *University of Toronto, Canada*  
Robert Morelos-Zaragoza, *San Jose State University, USA*

## General Executive Chairs

Didier El Baz, *LAAS-CNRS, France*  
Jerry Gao, *San Jose State University, USA*

## Program Chairs

Haiping Xu, *University of Massachusetts Dartmouth, USA*  
Sotoudeh Hamed-Hagh, *San Jose State Univ., USA*  
Paolo Nesi, *University of Florence, Italy*

## Workshop Chairs

Yong Qin, *Beijing Jiaotong University, China*  
Maria Gemou, *CERTH, Germany*

## Poster and Demo Chairs

Kaikai Liu, *San Jose State University, USA*  
Pengcheng Zhang, *Hohai University, China*

## Publicity Chairs

Chanqi Tao, *Nanjing Univ. of Science & Tech., China*  
Stefano Rinaldi, *University of Brescia, Italy*  
Lei Chen, *Georgia Southern University, USA*  
Arpan Kumar Kar, *Indian Inst. Tech. Delhi, India*  
Toshiyuki Amagasa, *University of Tsukuba, Japan*

## Journal Special Issue Chairs

Magdalini Eirinaki, *San Jose State University, USA*

## Web Publication Chairs

Zihao Jiang, *St. Francis Xavier University, Canada*  
Sazzad Hussain, *St. Francis Xavier Univ., Canada*  
Younghee Park, *San Jose State University, USA*

## Registration Chairs

Xuan Guan, *San Jose State University, USA*  
Xiaojun Yin, *Shihezi University, China*

## Local Organisation Chair:

Sam Zhang, *San Jose State University, USA*

## Steering Committee Chairs

Jianhua Ma, *Hosei University, Japan*  
Laurence T. Yang, *St. Francis Xavier Univ., Canada*  
Jerry Gao, *San Jose State University, USA*

Last September the White House launched the Smart Cities Initiative to make it easier for cities, Federal agencies, universities, and the private sector to work together to research, develop, deploy, and testbed new technologies that can help make cities more inhabitable, cleaner, and more equitable. Building smart cities require multi-disciplinary teams composed of researchers and practitioners working together to solve urban computing and smart city service problems. Coping with emerging challenges in engineering diverse complex cyber systems for smart cities requires the use of state-of-the-art technologies and solutions in smart sensing/devices/materials, IoT, networking, cloud computing, big data, and mobile cloud services to build innovative smart city services and application systems. Typical research areas include: smart city transportation, clean environment, city utilities, public health, safety and security, smart government, community, social services, and community connectivity. IEEE Smart City Innovations (IEEE SCI 2017) is set up to provide a unique platform for multi-disciplinary researchers and teams, industry solution vendors, and government agencies to exchange innovative ideas, challenges, research results and solutions, as well as project experience reports and stories.

The First IEEE International Conference on Smart City Innovations (IEEE SCI 2017) will include a highly selective program of technical papers, accompanied by workshops, demos, panel discussions and keynote speeches. We welcome high quality papers that describe original and unpublished research papers addressing the real issues, challenges and needs in building smart cities for now and future.

Smart City Innovations focus on Smart City Services by providing the following city service tracks:

### Track 1: Smart Transportation

- Intelligent transportation systems & technologies
- Smart city transportation planning and evaluation
- Smart bike programs and assessments
- Transportation behavior analysis & prediction

### Track 2: Smart Utilities

- Smart sewage and water
- Smart electricity, grids, meters
- City utility consumption and economic analysis

### Track 3: Smart Public Health

- City healthcare service monitoring assessment
- Smart medical service systems and solutions
- City public health and management
- Smart medical and healthcare systems and tools

### Track 4: Smart Public Safety

- City crime watching and alerting systems
- City emergency management & infrastructures
- City emergency alerting/responding/recovery

### Track 5: Smart Social Services

- Smart food, shelter and public housing
- Smart recreation
- Smart education and training

### Track 6: Smart Governance

- Smart city permit service systems and solutions
- Smart city IT connectivity management
- Smart city data management and warehouse
- Smart city network management and services

### Track 7: Smart Communities and Neighborhoods

- Smart home and smart building
- Smart social community networks/infrastructures
- City community and association management
- Smart city community connectivity and solutions

### Track 8: Smart Environment

- City environment monitoring and analysis
- Smart illegal dumping detection and monitoring
- City air/water/soil quality monitor and analytics

In addition, the conference will include technology-focused tracks, such as:

- Smart city networking & infrastructures
- Smart city big data and open data
- Smart city sensing and IoT
- Urban computing for smart city
- Smart city frameworks and platforms
- Smart city system security and privacy

## PAPER SUBMISSION

Main conference papers are limited to 8 pages, following the IEEE proceedings format, and are to be submitted as PDF via the submission site:

<https://easychair.org/conferences/?conf=ieee-sci2017>.

## PAPER PUBLICATION

Accepted conference papers will be published by IEEE CIS (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Best Paper Awards will be presented to high quality papers. Selected papers will be recommended to special issues. More details can be found via <http://iee-smartworld.org/2017/sci/>.

## WORKSHOPS and SPICAL SESSIONS

The IEEE Smart City Innovations 2017 Organizing Committee invites proposals for workshops and special sessions associated to the conference. Accepted papers will be included in the proceedings published by IEEE. For submission guidelines see <http://iee-smartworld.org/2017/sci/>

