



\*\*\*\*\* IEEE SmartCity-2018 CFP \*\*\*\*\*

**The 16th IEEE International Conference on Smart City  
(SmartCity-2018)**

<http://cse.stfx.ca/~smartcity2018/>

**Exeter, England, UK, 28-30 June 2018**

**Sponsored by**

IEEE, IEEE Computer Society, and IEEE Technical Committee of Scalable Computing (TCSC)

**INTRODUCTION**

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A smart city (also smarter city) uses digital technologies to enhance performance and wellbeing, to reduce costs and resource consumption, and to engage more effectively and actively with its citizens. Developing a smart city to better support growing urban population is a global and complex challenge and involves interdisciplinary fields. Key ‘smart’ sectors include transportation, cloud computing, networking, smart building, energy, health care, and water systems.

IEEE SmartCity-2018 is aiming to be a premier international conference in smart city. This conference is to bring together computer scientists, industrial engineers and researchers to discuss and exchange experimental or theoretical results, novel designs, work-in-progress, experience, case studies, and trend-setting ideas in the area of smart city include all aspects of smart city with emphasis on algorithms, systems, models, compilers, architectures, tools, design methodologies, test and applications.

SmartCity-2018 will be hosted in Exeter, the capital city of Devon and provides the county with a central base for education, medicine, religion, commerce and culture. The city is also home to the magnificent Exeter Cathedral, which dates back to Norman times. Exeter is also ideally placed to base a trip to branch out visiting places such as the famous Dartmoor National Park and the unspoilt beaches of the North and South Devon coastlines.

**SCOPE AND TOPICS**

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Topics of interest include, but are not limited to:

**Track 1: Smart City**

- Smart Buildings
- Smart Transportation
- Smart Environment
- Smart Economy
- Smart People
- Smart Governance
- Smart Living
- Smart Mobility
- Smart and connected communities
- Smart Healthcare
- Smart Home
- Environment and Urban Monitoring
- Deployments for Smart Cities
- Smart Water System

- Smart University and Smart Education
- Smart emergency management
- Smart manufacturing and logistics

#### **Track 2: Enabling Technologies for Smart City**

- Information and Communication Technologies (ICT) for Smart City
- Internet-of-Things for Smart Cities
- Future Internet Architecture and Protocols
- Machine-to-machine communications
- Mobile Computing
- Wireless Communications
- 5G
- Wireless sensor networks
- Embedded Computing and fog computing
- Smart mobile devices
- Human-machine interfaces
- Deployments for Smart Cities
- Cloud Computing and Networking Infrastructure
- Social Computing and Social Networks

#### **Track 3: Smart Grid**

- Smart grid inspired data processing technologies
- Smart grid inspired data communication and networking technologies
- Smart metering and advanced measurement infrastructure
- Demand response management (DRM)
- Energy-efficient smart grid systems
- Quality of Service assurance in smart grid systems
- Cyber security and privacy in smart grid systems
- Reliability, robustness, fault-tolerance, and self-healing
- Smart grid system management and adaptation
- Application-layer service engineering for smart grid
- Testing and evaluation tools
- Optical communications and networking in smart grid
- Prototype systems and real-world deployment experiences

#### **Track 4: Big Data and Data Mining**

- Big Data Architectures
- Big Data Models and Algorithms
- Big Data Management
- Big Data Searching and Mining
- Security and Privacy of Big Data
- Big data for Enterprise and Government
- Cloud Computing Techniques for Big Data
- Big Data for Vertical Industries
- Machine Learning and Data Mining
- Big Data for Urban Informatics

#### **Track 5: Smart City Services, Applications, Business and Social Issues**

- Business Ontologies and Models for Smart City
- Digital Goods and Services for Smart City
- Electronic Service Delivery
- E-Marketing and Smart Economy
- Innovative applications in business and government cases
- Online Auctions and Technologies

- Virtual Organizations and Teleworking
- Citizen engagement and smart governance

## IMPORTANT DATES

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- Workshop Proposal Due: 10 January 2018
- Paper Submission Deadline: ~~10 February 2018~~ 23 March 2018 (firm deadline)
- Authors Notification: 22 April 2018
- Camera-Ready Paper Due: 25 May 2018
- Early Registration Due: 25 May 2018
- Conference Date: 28-30 June 2018

## PAPER SUBMISSION GUIDELINE

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All papers need to be submitted electronically through the conference submission website ( <http://cse.stfx.ca/~smartcity2018/sub/> ) with PDF format. The materials presented in the papers should not be published or under submission elsewhere. Each paper is limited to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts). You can confirm the IEEE Computer Society Proceedings Author Guidelines at the following web page:

<http://www.computer.org/web/cs-cps/>

Manuscript Templates for Conference Proceedings can be found at:

[https://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](https://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Once accepted, the paper will be included into the IEEE conference proceedings published by IEEE Computer Society Press (indexed by EI). At least one of the authors of any accepted paper is requested to register the paper at the conference.