



IEEE International Conference on Communications  
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COMMUNICATIONS FOR CONNECTING HUMANITY



## CALL FOR PAPERS

### SELECTED AREAS IN COMMUNICATIONS SYMPOSIUM

### SMART CITIES TRACK

#### Track Chair

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#### Scope and Topics of Interest

It is expected that by 2050, 70% of the world's population will live in urban areas. To support such a rapid growth, it is important for cities to embrace all new advances in information and communications technologies in order to enhance the quality of life of its citizens and foster local economies and businesses. City Smartification concerns all the processes that rules urban life and operations. Hence, we speak about Smart Mobility, Smart Energy (Grids), Smart Buildings (and Homes), Smart Governance, Smart Healthcare, Smart Education, Smart Infrastructure (water and waste management systems, telecommunications, etc.), and so on. Modern information and communications technologies advances, such as the Internet of Things, Cloud Computing and Big Data Analytics, are the key enablers for such Smart-\* processes allowing city dwellers to interact with their cities seamlessly.

This Smart Cities Track will provide a forum for presenting and discussing the most recent advances in different aspects of smart cities and their enabling information and communications technologies. The track will gather leading researchers from academia, industry, and government, including students, engineers, practitioners, scientists, and policy makers. It invites them to present their research achievements and share their experiences in developing/deploying those technologies.

The Smart Cities track solicits original contributions in, but not limited to, the following topical areas:

- Smart manufacturing and logistics
- Smart healthcare and e-health systems
- Smart buildings and smart homes
- Smart education
- Smart emergency management
- Smart environment and policy development
- Smart governance and citizen engagement
- Smart grid
- Intelligent infrastructure
- Safety and security systems
- Smart city for special needs

- Cloud, edge, fog and mist computing and networking for smart cities
- Open data and big data analytics for urban informatics
- Connected Vehicle (CV) technologies and vehicular networks
- Smart mobility and transportation
- Intelligent vehicle-to-infrastructure integration
- Smart traffic system operations
- Pedestrian and bicyclist safety
- Environment and urban monitoring
- Human mobility modeling and analytics
- Cloud computing and network infrastructure that supports smart cities
- Cellular networking in smart cities
- Delay tolerant networks and systems for urban data collection
- Enabling wireless and mobile technologies for smart cities
- Fault tolerance, reliability and survivability in smart systems
- Green computing, networking and energy efficiency
- QoS and QoE of smart city systems, applications, and services
- Software defined networking (SDN) and network function virtualization (NFV) in smart city environment
- Sensing, Actuating and IoT for smart cities
- Social computing and networking for smart cities
- Safety, security, and privacy for smart cities
- Mobile crowdsourcing for urban analytics
- Smartphone and mobile systems and applications
- Applications for smart cities
- Test-beds and experiments in smart cities
- Smart city implementations, deployments and experiences

### **Submission Guidelines**

The IEEE ICC 2018 website provides full instructions on how to submit papers & the paper format.

You will select the desired symposium/track when submitting.

**The paper submission deadline is October 15, 2017.**

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at <http://edas.info/>