

Call for Papers

International Journal of Electronics & Informatics

Wireless Technologies for Future Networked Smart Cities

In the context of this special issue, we define a smart city as a collection of entities (living and nonliving) in an urban area that is always connected, fully aware, auto-managed, self-secure, adaptive, and well-informed. Furthermore, the growing footprint of ultra-high-speed broadband networks, pervasive wireless networks, cloud computing, crowd sensing, and software-defined infrastructure connect smart/mobile devices to generate relevant city data on a massive scale. These advances will enable transformative applications and services that will enhance the quality of peoples' lives while addressing important national priorities such as real-time tracking, security, authenticity, and availability of classified information to the decision makers. Similarly, to make a smart city, a strong communications infrastructure is required for connecting smart objects, people, and sensors. For instance, audio and video sensors support a variety of safety (monitoring) and non-safety applications.

Communication within cities involves multiple aggregations and access networks that can be either public or private. A city may gather data from smart devices and sensors embedded in the roadways, power grids, buildings, and other assets. It shares that data via a smart communications system that is typically a combination of wired and wireless networks. It then uses smart software to create valuable information and digitally enhanced services such as health care assistance, security and safety, real-time traffic monitoring, and managing the environment.

We solicit papers in a variety of topics related to wireless technologies for future networked smart cities. Topics of interest include, but are not limited to, the following:

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| <ul style="list-style-type: none">-Resource and network management in smart cities-Interoperability between heterogeneous networks of smart cities-Cognitive networks and IoT for smart cities-Future internet architectures and smart cities-Integration with WiMAX and WiFi, the use of unlicensed band-Energy saving techniques | <ul style="list-style-type: none">-Mobility and handoff control-ITS - intelligent transportation system (including vehicle-to-vehicle communication, vehicle-to-grid communication)- LTE NB-IoT-Small cells/femtocells in 5G smart cities.-Wireless Sensor Networks-High Mobility Wireless Communications |
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Submissions:

Submitted papers should not be under consideration elsewhere for publication and the authors must follow the IJEEI guidelines regarding manuscript content and format for preparation of the manuscripts.

Important Dates:

Manuscript due: December 1, 2017
Notification of first round review: January 1, 2018
Revised manuscript due: February 1, 2018

Final acceptance: February 15, 2018
Publication date: March 1, 2018

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