

Special Issue in the International Journal of RF Technologies Research and Applications (ISSN: 1754-5730)

Advances in RFID for Smart Cities

The wide adoption of context-aware technologies within smart cities and the emergence of the IoT paradigm have opened the door for the development of a diversity of new applications to monitor activities within the city, detect citizens needs, monitor their daily activities, analyse their behaviour, predict possible illnesses and misconducts, etc. Smart cities strongly depend on RF technology to support their main areas of development, namely **Smart Healthcare, Smart Government, Open and Big Data, Smart Transportation and Smart Grid**.

All in all, putting RFID and smart technologies at the disposal of the city allows for relevant advances in e-governance, e-participation, and e-health for the improvement of citizens' quality of life. However, without ensuring the required **security and privacy** level for the citizens, these technologies cannot gain wide acceptance and can hardly become a reality.

We invite researchers and practitioners to contribute original research articles as well as review articles that will stimulate continuous efforts to improve RFID technology in the context of Smart Cities. The following is a non-exclusive indicative list of research lines of interest for this special issue, but any topic on RFID for Smart Cities is also welcome:

- RFID technology for Smart Healthcare, Smart Government, Smart Transportation in Cities and Smart Grid.
- Sensor and actuator networks for Smart Cities
- Radio planning for Smart Environments
- Body sensor networks for citizens in the context of a Smart City
- RFID for Smart environments and Ambient Assisted Living
- Identity management in smart systems and applications
- Secure RFID infrastructure for smart cities
- Scalable RFID infrastructures and protocols for smart cities
- Lightweight cryptography for city devices and systems
- Cryptanalysis of protocols and city devices
- Economics of RFID in smart cities
- Real experiences, best practices and use cases

Instructions to authors

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Submission of manuscripts

Authors should send their articles directly to agusti.solanas@urv.cat for peer review management.

Important Dates

Manuscript Due	April 21, 2017
First Round of Reviews	June 30, 2017
Publication Date	October, 2017

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