As one of the significant topics in *IET Wireless Sensor Systems*, the *Smart Cities and Smart Sensory Platforms* special issue is dedicated to addressing major challenges in realizing smart sensing platforms in the era of cloud cities and the Internet of Things (IoT). These challenges can vary from cost and energy efficiency to availability and service quality. It is hence our aim to focus on both design and implementation aspects in the application of smart-cities that are enabled by wireless sensor networks. Wireless sensor networks are a key enabling technology and should be smart enough to offer multifold sustainable and viable benefits from emerging smart-city paradigms and its interacting technologies such as radio frequency identification, wireless body area networks, D2D communications, LTE-A and 5G.

In this spirit, we are soliciting work describing both theoretical and practical research endeavours related to the design, analysis and implementation of practical and theoretically sound solutions in the area of smart sensing systems.

**Topics covered include:**

- Green cities and smart sensing
- 5G oriented sensing systems
- LiFi and wireless sensors in smart-cities
- Crowd sensing in cloudlets and smart-cities
- Internet of things in smart cities
- Cognitive sensors in smart cities
- Ultra-dense sensing networks
- Energy-efficient and delay-tolerant sensory systems
- Energy harvesting technologies and telecommunications
- Smart grid sensing and communications
- Sensing network architectures and design issues
- Resource-efficient cross-layer optimization
- Cooperative communication protocols
- Safety, security and privacy in smart sensing platforms
- Intelligent transportation sensory systems
- Energy-efficient transport, network, and MAC protocols
- Localization and time synchronisation techniques
- Mobility and management support in sensing platforms
- eHealth and sensing platforms in smart-cities
- Smart traffic / vehicular sensing systems
- RFIDs and WSNs in mobility platforms
- Learning and reasoning techniques in smart sensing
- Context-aware sensing platforms
- Integrated sensors and IoT enabling technologies

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