

IET *Wireless Sensor Systems* Call for Papers

SPECIAL ISSUE ON: Synergies of Smart Cities and Internet of Things

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The term “smart city” has recently re-emerged with a focus on data analytics facilitated through the Internet of Things technology. For many large corporations, the concept of a smart city is an opportunity to deliver an integrated technology platform to serve a vast area of technology needs ranging from data collection to identifying and presenting actionable insight. From a practical perspective, there is need to customise and further advance technology to address needs in application specific domains such as transportation, traffic, and waste management.

The estimated global smart cities market will be valued at US\$1.565 trillion in 2020. It is estimated that over 26 global cities will move towards the concept of smart cities by 2025. One of the major driving forces in the smart city paradigm is the notion of Internet of Things (IoT). IoT is often defined as an intertwined network of objects that act as independent or semi-independent operational agents that interact with their environment and each other. IoT pulls together research from different areas such as embedded systems, ubiquitous computing, sensor networks and large-scale data analytics. Research in IoT and applications of IoT in the domain of smart cities has led to theories and methodologies to collect data from the broader city environment and community and any phenomenon that is linked with them; analyse data using intelligent data analytics techniques to deliver knowledge and actionable insight; and deploy the right socio-technical solutions to fulfil the objective of smart cities, i.e. improve the quality of citizens' life.

This Special Issue focuses on the interplay between Smart Cities and IoT technology. In particular, this Special Issue invites papers on theories, methodologies, techniques and tools that, in practice, can aid cities to provide better services, efficiently manage resources and energy, refine their strategies, improve health services, and react to an outbreak, among other use cases.

Topics of interest include, but are not limited to:

- Case studies of applying IoT in smart cities
- Predictive modelling
- Newly developed IoT middleware or applying existing IoT middleware to smart cities
- Edge processing devices and techniques for managing data collection and distributed computing in smart cities
- Transducers and sensors for homecare and assisted living applications
- Streaming techniques for IoT and smart cities
- User modelling and smart cities
- Security and privacy management in smart city sensor networks
- Innovative network communications and IoT protocols suited for smart cities
- Sensor and RFID applications of IoT
- Distributed and networked sensors for smart cities
- Social networks and smart cities
- Integration and analysis of internal (proprietary) data
- Datasets and evaluation methodologies for predictive modelling in smart cities

Submit your paper to the manuscript submission and peer review site via the following link:

www.ietdl.org/IET-WSS

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