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The progress achieved by the subdomains of Web of Data and Internet of Things within the so called Future Internet offers a high potential. They are enabling technologies that pave the way for next generation urban services. These services will play a crucial role in future interactions between the city and the citizens, giving them the impression of facing smarter cities, that is, cities that do not only manage their resources more efficiently but also are aware of the citizens' needs.

Open government data repositories are a reality; there are increasing number of city councils that export knowledge about a given city as Linked Data. Moreover, the deployment of sensor networks within cities, with the aim of enhancing such cities in terms of managing more efficiently key services, such as transport, lighting, or garbage collection, is becoming a norm. Finally, many citizens, currently above 50% of them in the most developed economies, possess a powerful smartphone from which they can publish data and interact with any service that may be made available at their city. These three technologies form together an ideal ecosystem for future smarter cities.

The aim of this special issue is to bring together research results on the areas of Linked Data, Internet of Things, and smartphone-mediated interaction to assemble service ecosystems that may give place to smarter cities, that is, those that are actually aware of the real needs and demands of their citizens. In addition, this special issue looks for real deployments and experimentation, where the potential of these technologies has been evaluated to determinate patterns based on urban information with the data from the environmental status (temperature, CO, noise, and light), integral traffic management (car presence, and traffic), and citizen activity (augmented reality and participatory sensing), finally understanding how people use the city's infrastructure in terms of mobility (transportation mode), environmental impact (noise and pollution), and consumption (smart irrigation, water).

This special issue aims at producing evidence for the following equation: smarter cities = Linked Data + Internet of Things + citizen participation through smartphones + urban analytics. We are seeking high quality papers reporting original research results in the application of IoT and Linked Data to obtain smarter cities.

Potential topics include, but are not limited to:

- ▶ Internet of Things and the Web of Things applied to smart cities
- ▶ Web of Data and Linked Data to assemble urban apps
- ▶ Citizen participation and data generation, controlling data provenance and trust
- ▶ Security and privacy challenges for IoT, citizen-generated data, and Linked Data
- ▶ Gaming with a purpose (GWAP) to incentivize citizen participation
- ▶ Interaction paradigms in the smart city
- ▶ Determining human dynamics in the smart city
- ▶ Urban and linked data analytics
- ▶ City services publication, indexing, discovery, and consumption
- ▶ Architectures for consuming and analyzing Linked Data
- ▶ Query processing over multiple linked datasets and/or endpoints
- ▶ Semantic data streams of Linked Data from Internet-connected objects
- ▶ Real deployments, using cases and experiments

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijdsn/itld/>.

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