

# CALL FOR PAPERS

The vision of a Smart City involves enriching quality of life by gaining insights from data collected from interconnected sensors, devices, and people. Perpetual urban issues such as security, waste management, transportation, and traffic can be addressed by utilizing data to improve efficiencies; however, to do this, all of the data needs to be stored in a location in which it can be easily accessed and used by all stakeholders, both private and governmental. The cloud service will help break down intergovernmental silos wherein different departments have no clear channel to communicate and understand data-based priorities of other departments—a factor seen as a major impediment to Smart City adoption. Security is also a major aspect of the new product, as the continued perpetuation of the ‘Internet of Things’ has (and will) created demonstrable security concerns.

The concept of a Smart City focuses on cloud interoperability and connectivity scenarios, based on the Software-as-a-Service (SaaS) delivery model. This approach holds the promise of reducing capital and infrastructure costs, while improving the efficiency of service provision within the Smart City framework. SaaS delivers software over the Internet, eliminating the need to install and run the application on private servers, simplifying maintenance, and enabling customers to use applications remotely through the IoT from anywhere in the world. Intelligent transportation systems are designed to support the Smart City vision, and the IoT can be applied both in intelligent transportation systems and in Smart Cities to form an advanced platform for novel applications; however, there are various issues and challenges that arise.

Therefore, this Special Issue mainly focuses on recent advances in intelligent and smart transportation systems for IoT-enabled Smart Cities, which addresses both original algorithmic development and new applications. We welcome original research and review articles from leading researchers and practitioners from academia, as well as industry, which address a wide range of theoretical and application issues in this domain.

Potential topics include but are not limited to the following:

- ▶ Data-driven modeling, analysis, and management of large-scale transportation systems
- ▶ Infrastructure-based terrestrial and air traffic monitoring, control, and management
- ▶ Testing and verification of dependable transportation systems in Smart City
- ▶ Human, autonomous system, and infrastructure interaction and human-in-the-loop control
- ▶ Close loop sensing, control, actuation of networked automated terrestrial, and aerial vehicles
- ▶ Networking support for real-time highly reliable vehicle-to-everything (V2X) and airspace networking
- ▶ Emerging transportation modes with shared mobility and participatory delivery
- ▶ Adapting to vehicle innovation and adoption
- ▶ Emerging automotive embedded systems technologies
- ▶ Case studies, testbeds, prototypes, and practical systems for smart transportation systems in Smart Cities

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jat/raits/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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