## **Special Issue**

### Digital Twin for Smart Cities: Linking the Physical and Digital Built Environment

### Message from the Guest Editors

Cities are running with different types of inter-connected systems intended for the better management of urban and natural resources of cities to improve the quality of life of their residents, giving rise to the so-called digital twin cities. These new services promise to be the answer to many societal problems. However, the rapid shift also brings many challenges. In response to these challenges, this Special Issue will focus on how ontology catalogs can be more effectively used to design and develop smart city applications. This issue will explore, but not be limited to, the following topics:

- Linked data and the semantic web technology applications in cities
- Smart buildings and asset management
- Autonomous vehicles and smart transportation system
- Circularity and repurpose materials
- Infrastructure asset management
- Ontology development in smart cities
- Ontology evaluation in the domain of smart cities
- Automated ontology matching
- Case studies and implementations of smart cities
- Towards a semantic construction digital twin

### **Guest Editors**

Dr. Dujuan Yang

Prof. Dr. Dezhi Li

Dr. Yunfeng Chen

### Deadline for manuscript submissions

closed (30 November 2021)



# **Smart Cities**

an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 14.7



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### About the Journal

### Message from the Editor-in-Chief

As urban environments continue to evolve, Smart Cities serves as a key platform for sharing innovative research that addresses the complexities of modern urban life. Our journal provides a space for interdisciplinary dialogue and knowledge exchange on the latest advancements in smart city technologies and practices. We prioritize research that not only pushes the boundaries of scientific understanding but also has practical implications for improving urban living, sustainability, and governance.

We welcome contributions from diverse fields that bring fresh perspectives to urban challenges, from smart infrastructure and IoT integration to data-driven decision-making and sustainable development. Through a combination of rigorous peer-review and rapid publication, we aim to disseminate impactful research that fosters the development of smarter, more resilient cities.

### Editor-in-Chief

Prof. Dr. Pierluigi Siano Department of Management and Innovation Systems, University of Salerno, 84084 Salerno, Italy

#### **Author Benefits**

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indexed within Scopus, ESCI (Web of Science), Inspec, AGRIS, and other databases.

#### Journal Rank:

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### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.8 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the first half of 2025).