



Smart Cities—the Role of Transportation, Artificial Intelligence, and Big Data

Guest Editors:

Dr. Sikai Chen

Prof. Dr. Samuel Labi

Prof. Dr. Ali Karimoddini

**Prof. Dr. Hualiang (Harry)
Teng**

Deadline for manuscript
submissions:
closed (15 June 2023)

Message from the Guest Editors

The concept of smart cities has become increasingly relevant in the past few decades. There exists a plethora of current research and application efforts in the smart cities domain, including intelligent transportation systems (ITS), artificial intelligence (AI), and big data. For example, advancements in AI and machine learning have greatly enhanced autonomous vehicle (AV) capabilities for safe and efficient traffic operations. Similarly, alternative fuels for vehicles which include electric, natural gas, and hydrogen yield benefits including reduced long-term costs of vehicle operations, enhanced energy efficiency and security, improved air quality, and environmental sustainability. Further, ongoing improvements in vehicle connectivity via advanced communication technologies and cyber infrastructure systems are helping to collect, transmit, analyze, and store big data efficiently.

In view of the complex and interdisciplinary nature of the topic, this Special Issue welcomes submissions of innovative research that investigate the role and inter-relationships among transportation systems, AI, and big data toward the goal of realization of smart cities.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)