Special Issue

Application of Emerging Simulation Technologies in Achieving Sustainable Transportation Systems

Message from the Guest Editors

At present, the simulation model can effectively evaluate and optimize, reduce the emission of, and realize the sustainable development of the transportation system. The advantages of simulation modeling of traffic flow, parking, intelligent connectivity, and driving behavior of the transportation system can help us to better understand its transportation policy or behavior and compare different design options to achieve more sustainable solutions. In addition, simulation technology provides a more realistic representation of traffic behavior and its surrounding environment. All these improvements can more effectively improve operational efficiency and safety. The main goal of this Special Issue is to publish the latest developments around how simulation models can improve sustainability. The topics of interest include (but are not limited to) the following:

- Traffic flow simulation modeling;
- Parking model;
- Framework design of traffic simulation system;
- Traffic optimization modeling;
- Traffic model in a connected vehicle environment;
- Traffic safety simulation model;
- Modeling of driving behavior in an intelligent transportation environment.

Guest Editors

Prof. Dr. Dianhai Wang

Dr. Zhenyu Mei

Dr. Lihui Zhang

Dr. Xiaofei Ye

Deadline for manuscript submissions

closed (30 April 2024)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/99225

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

About the Journal

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. *Sustainability* publishes original research articles, review 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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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)