

Special Issue

Traffic Infrastructure Sustainability in Autonomous Driving and Smart Pavement Environments

Message from the Guest Editors

The topics of this Special Issue include, but are not limited to:

- Durable pavement structure design for autonomous driving;
- Smart road planning and design;
- Transportation policies for infrastructure sustainability or smart roads;
- Self-diagnosis or self-healing of pavement damage;
- Energy harvesting pavement;
- Sensor system based on smart roads;
- Big data analysis based on smart roads;
- Vehicle trajectory perception and prediction based on smart roads;
- Life-cycle assessment of smart roads;
- Finite element simulation of pavement service life under autonomous trucks;
- Simulation models of mixed traffic flow (autonomous driving and manual driving);
- Facility sustainability and optimal design under a mixed traffic environment;
- Urban planning strategies for maintaining sustainability under a mixed traffic flow environment;
- Environment friendly pavement materials and structures;
- Aging and recycling of pavement materials.

Guest Editors

Dr. Young-Ji Byon

Dr. Feng Chen

Prof. Dr. Meng Guo

Deadline for manuscript submissions

closed (31 December 2021)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/48269

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://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, CAPIus / SciFinder, and other databases.

Journal Rank:

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