

## Special Issue

# Autonomous Vehicles: Future of Transportation Sustainability

### Message from the Guest Editors

Autonomous vehicles pave the way to more sustainable transportation. Their driverless capability allows for emerging mobility patterns that were not possible before. The older and younger population that cannot legally drive can gain access to affordable transportation and can engage in socially rewarding activities. The private sector can also provide new mobility services that exploit autonomous vehicles. These shifts in the supply and demand of transportation may affect dynamics of congestion and emission levels in large cities. Policies that aim to improve transportation sustainability need to carefully account for the impacts of driving automation, especially when automation leads to induced demand. In this Special Issue, we invite the submission of research papers that specifically address transportation sustainability in the advent of autonomous vehicles and propose sustainable alternatives for the existing demand management and traffic control policies. The scope of this Special Issue is to cover state-of-the-art contributions on data analysis, model development, policy design, and system optimization.

---

### Guest Editors

Dr. Mehdi Nourinejad

Department of Civil Engineering, York University, Toronto, ON, Canada

Dr. Mahyar Amirgholy

Department of Civil and Environmental Engineering, Kennesaw State University, Marietta, GA 30060, USA

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/39960](https://mdpi.com/si/39960)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto: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)