



## The Potential Diffusion and Impacts of Autonomous Electric Vehicles: Evidence and Modelling Approaches

Guest Editor:

**Dr. Chengxiang Zhuge**

Department of Land Surveying  
and Geo-Informatics, The Hong  
Kong Polytechnic University,  
Kowloon, Hong Kong

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Electric vehicles (EVs) and autonomous vehicles (AVs) are two disruptive and sustainable innovations in the transport sector, and their diffusion could potentially impact connected urban systems, such as transportation, land use, energy, environment, economy and population systems. AVs would be likely introduced in the market in the near future when the penetration rate of EVs is high, and thus the future AVs are likely to be electric. As a combination of EV and AV, autonomous electric vehicle (AEV) tends to be more promising, as it would take advantages of both EVs and AVs.





an Open Access Journal by MDPI

## 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

## 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.

## 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, AGRIS, 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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)