



Current Issues in Human-Powered Electric Hybrid Vehicles: Dynamics, Control and Management

Guest Editor:

Prof. Dr. Matteo Corno

Dipartimento di Elettronica
Informazione e Bioingegneria,
Politecnico di Milano, 20134
Milano, Italy

matteo.corno@polimi.it

Deadline for manuscript
submissions:

30 June 2023

Message from the Guest Editor

The current mobility model, based on privately owned fossil fueled vehicles, is not sustainable in view of the climate crisis. Furthermore, the current COVID-19 pandemic is limiting access to public transit. A possible solution is to adopt a multimodal approach where users have access to different vehicles for different phases of their trips. In this scenario, human-powered vehicles (e.g., bicycles, kick-scooters, roller skates) can play a pivotal role.

This Special Issue aims to gather contributions that address open problems in the modeling, design, implementation and management of human-powered electric hybrid vehicles. In particular, this Special Issue seeks to further scientific understanding on:

- Methods and technologies to improve the energy efficiency of human-powered vehicles (or fleets of human-powered vehicles);
- Methods and technologies to model and improve vehicle ergonomics;
- Methods and technologies (both active and passive) to improve users and public safety.

Human-powered electric hybrid vehicles have the potential to considerably impact modern mobility. We look forward to receiving your papers.





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. 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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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