Special Issue

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

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.

Guest Editor

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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

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