



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

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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.



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

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

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