Special Issue

Energy Transfer in Alternative Powertrains

Message from the Guest Editor

After the successful first Special Issue on "Energy Transfer in Alternative Vehicles", we aim to delve deeper into analyzing energy transfer across all propulsion sources, regardless of vehicle type. The integration of electric, hybrid, and fuel-cell drives in various vehicles is driven by economic, ecological, and comfort requirements. Electric motors play a central role in modern propulsion systems, while batteries and alternative fuels like hydrogen are vital components. Proper utilization of these elements can significantly reduce harmful emissions, noise, and vibrations. For our second edition, we invite research papers on energy transfer in hybrid, electric, and hydrogen vehicles, as well as energy conversion from renewable sources. Contributions from various transportation modes are welcome, with potential to inspire environmental impact reduction. Papers on drivetrain efficiency, energy accumulation in batteries, and charging methods' influence on energy consumption throughout a vehicle's lifecycle are also highly valued. We encourage you all to publish your research and reviews on analyzing and improving energy consumption in alternative propulsion systems.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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