

Special Issue

Advances in Hybrid Electric Powertrain and Vehicle

Message from the Guest Editors

With a combination of an IC engine and electric power system, a hybrid electric powertrain can significantly reduce vehicle emissions and fuel consumption without sacrificing performance, safety, and economy. A hybrid electrical vehicle (HEV) can provide a long driving range, energy diversification, and high sustainability. This Special Issue, entitled “Advances in Hybrid Electric Powertrain and Vehicles”, aims to gather original contributions on high-performance vehicle powertrain systems. Both environmental and economic aspects are specific interests for this Special Issue. In particular, researchers are encouraged to propose improvements in hybrid electrical vehicle (HEV) configurations, high-efficiency engines, power-split systems, energy management, operation and control strategy, battery management systems, emission control strategies, hybrid energy sources, and refueling systems.

Guest Editors

Prof. Dr. Yaojung Shiao

Department of Vehicle Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

Dr. Mahendra Babu Kantipudi

Department of Vehicle Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

Deadline for manuscript submissions

closed (31 August 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/131791

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)