

Special Issue

Recent Progress in Hybrid Electric Vehicles (HEVs)

Message from the Guest Editors

The goal of this Special Issue is to explore recent advances and emerging trends in hybrid electric vehicle technologies from both system-level and application-oriented perspectives. It will cover developments in charging and energy supply infrastructures, life-cycle analysis, advanced energy management and control strategies, and novel hybrid powertrain architectures. Particular attention will also be given to emerging hybrid configurations and their applications in special vehicles, including agricultural, mining, construction, off-road, and other task-specific platforms. This Special Issue welcomes original research articles and reviews from diverse disciplinary backgrounds, including vehicle engineering, electrical engineering, energy systems, and sustainability science. By fostering interdisciplinary dialogue, this Special Issue aims to advance the understanding and deployment of hybrid electric vehicles as a key solution for sustainable and resilient transportation systems.

Guest Editors

Dr. Weiwei Yang

School of Mechanical Engineering, University of Science and Technology Beijing, Beijing 100083, China

Dr. Boyi Xiao

Guangdong Laboratory for Lingnan Modern Agriculture, College of Engineering, South China Agricultural University, Guangzhou 510642, China

Deadline for manuscript submissions

15 August 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 7.0



mdpi.com/si/270797

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 7.0



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



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Signal Processing)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2026).