

Special Issue

Advances in Power Electronics for Transportation Electrification

Message from the Guest Editor

This Special Issue will publish high-quality peer-reviewed papers focusing on the latest technical progress of power electronics for transportation electrification. The topics of interest include but are not limited to:

- Electric powertrain
- On-board and off-board charging
- Hybrid electric vehicle (HEV) and plug-in hybrid vehicle (PHEV)
- Fuel cell electric vehicle (FCEV)
- Electrification of aircraft, ship, and train
- Vehicle-to-grid (V2G) technology
- Electric machine, motor drive and power electronics
- Energy storage systems
- Power module, cooling and packaging
- Charging infrastructure and distribution network

Welcome to contribute!

Guest Editor

Prof. Dr. Ki-Bum Park

The CCS Graduate School of Green Transportation, KAIST, 193 Munji-ro, Yuseong-gu, Daejeon 34051, Korea

Deadline for manuscript submissions

closed (30 June 2022)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/55093

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 2.6
CiteScore 6.1



[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), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).