

## Special Issue

# Innovative Technologies for Smart Energy Conversion in Transportation Electrification

### Message from the Guest Editors

We invite original research articles, reviews, and case studies on the following topics:

- Advanced topologies, analysis methods, and designs for electric machines in electrified transportation.
- Electric machine drives, including control methods, drive topologies, and modulation strategies.
- Wireless power transmission technology in electrified transportation.
- Fault diagnosis and fault-tolerant control in electric machines and drives.
- On-vehicle power converters based on wide bandgap devices.
- Thermal management and structural field analysis for electric machines and drives.
- Energy management system for hybrid vehicles.

### Guest Editors

Dr. Zhiping Dong

Dr. Rundong Huang

Dr. Yuxin Liu

Dr. Yu Gu

Dr. Ben Zhang

Dr. Mingyuan Jiang

### Deadline for manuscript submissions

28 February 2026



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/246906](https://mdpi.com/si/246906)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto: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 guest-edited 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).