

Special Issue

Feature Papers in Electrical and Autonomous Vehicles

Message from the Guest Editors

The purpose of this Special Issue is to publish insightful and influential original articles or reviews, discussing key topics in the field. We expect these papers to be widely read and highly influential. All papers in this Special Issue will be collected into a printed edition book after the deadline and will be well promoted. Topics of interest include but are not limited to:

- Electric vehicle chargers (on-board, off-board, and wireless power transfer);
- Converters for electric drives and power trains;
- Battery management systems;
- New battery technologies;
- Power supplies for auxiliary systems;
- Power and energy management strategies;
- Self-driving cars/autonomous driving/vehicles;
- Artificial intelligence applications for vehicles and traffic;
- Electric vehicles and smart cities/smart grids/smart homes;
- Vehicle-to-grid (V2G), vehicle-to-home (V2H), vehicle-to-everything (V2X).

Guest Editors

Dr. Salvador Alepuz

Tecnocampus, Universitat Pompeu Fabra, 08302 Mataró, Spain

Prof. Dr. Sergio Busquets-Monge

Electronic Engineering Department, Universitat Politècnica de Catalunya, 08028 Barcelona, Spain

Deadline for manuscript submissions

15 June 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/115304

Electronics
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 5.3



[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 (Physics, Applied) / CiteScore - Q2 (Control and
Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the second half of 2024).