

Special Issue

Power Quality and Power Electronics Systems in Electromobility

Message from the Guest Editors

Issues related to the subject of this Special Issue include, but are not limited to, the following: - modeling of power electronics components in EV environments, - battery management systems in EV, - energy efficiency and power quality during EV charging, - new concepts, methods, and circuits for control systems of EV motors, - energy efficient power converters for EVs, - V2L and V2G technologies. Power electronics is essential for EV development and operation. Through innovative technologies, it enables efficient vehicle power, environmental friendliness, and future integration with smart grids.

Guest Editors

Dr. Arkadiusz Dobrzycki

Institute of Electrical Engineering and Electronics, Faculty of Automatic, Robotics and Electrical Engineering, Poznan University of Technology, Piotrowo 3A street, 60-965 Poznan, Poland

Prof. Dr. Alejandro Rodríguez Gómez

Department of Electrical Engineering, Universidad de Málaga, Escuela de Ingenierías Industriales 29071-Málaga, Spain

Deadline for manuscript submissions

15 August 2026



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/208504

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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).