



Application of Power Electronics Technology in Energy System

Guest Editors:

Prof. Dr. Jizhong Zhu

Prof. Dr. Lei Xi

Dr. Yun Liu

Dr. Weiye Zheng

Deadline for manuscript
submissions:

closed (15 May 2024)

Message from the Guest Editors

The SI aims to foster novel, safe, and economic approaches to the application of electronics technology in energy systems. The topics include but are not limited to:

- Advanced power semiconductors
- Distributed generation, fuel cells, and renewable energy systems
- Electric drivers and application
- Electric vehicle technologies
- Electrical machines, power electronics, and industry applications
- Electrical materials and processes
- Electronic materials
- Electronics, information, and control systems
- Inverter and converter technology
- Power electronics and power drives
- Power generation and sustainable environment
- Renewable energy, including wind, solar, and wave, etc.
- Power electronics in automotive, traction, and aerospace
- Wide band gap semiconductor devices
- Medical and rehabilitation power electronics
- Environmental protection and alternative energy
- Control techniques for power converters
- Railway systems and transportation
- Analysis of a power-electronics-based power system
- Control techniques of power electronic devices
- Ac, dc, and hybrid microgrids





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)