

Special Issue

Application of Power Electronics Technology in Energy System

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

Guest Editors

Prof. Dr. Jizhong Zhu

Prof. Dr. Lei Xi

Dr. Yun Liu

Dr. Weiye Zheng

Deadline for manuscript submissions

closed (15 May 2024)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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

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the first half of 2025).