



Control and Optimization of Power Converters and Drives

Guest Editors:

Dr. Qiao Zhang

School of Automation, Wuhan
University of Technology, Wuhan
430070, China

Dr. Run Min

School of Integrated Circuit,
Huazhong University of Science
and Technology, Wuhan 430070,
China

Deadline for manuscript
submissions:

15 June 2024

Message from the Guest Editors

This Special Issue is devoted to identifying the technical barriers and latest progress in high-performance power electronics systems. Original research articles and reviews are welcome addressing topics such as (but not limited to) the following:

- High-frequency power converters;
- Switch capacitor converters;
- WBG devices in power electronic converters;
- Gate driver and device protection;
- Modeling methodologies for high-frequency converters, including dynamical modeling and accurate power loss characterization;
- Control optimization for power electronic converters;
- Advanced control in motor drive;
- PMSM design optimization.





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 \(Web of Science\)](#), [CAPus / 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)