

Special Issue

Control and Optimization of Power Converters and Drives

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.

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Deadline for manuscript submissions

closed (15 June 2025)



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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

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