

Special Issue

Advances in Power Converter Design, Control and Applications

Message from the Guest Editor

The scope of "Advances in Power Converter Design, Control and Applications" is wide and diverse, covering various aspects of power electronics, with a focus on the development of more efficient, reliable, and cost-effective electrical systems. Topics include but are not limited to:

- Power converter topologies, such as DC-DC converters, AC-DC converters, and DC-AC converters;
- Power converter applications in various fields, including renewable energy systems, electric vehicles, power grids, and consumer electronics;
- Power semiconductor devices, such as diodes, transistors, and thyristors;
- Development of new materials such as wide-bandgap semiconductors;
- Development of advanced control techniques, including digital signal processing, artificial intelligence, and model predictive control;
- Development of more efficient, reliable, and cost-effective electrical systems.

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2024)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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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).

