

# Special Issue

## Power Converter Design, Control and Applications

### Message from the Guest Editors

This Special Issue will focus on the design and control of power converters and their applications. The topics of interest include but are not limited to:

- Emerging trends in digital control for power electronics;
- Adaptive and predictive controllers;
- Preventing aging and failure controllers;
- Neural-network-based and artificial intelligence controllers;
- The Internet of Things applied to power management;
- New emerging and innovative power-converter topologies;
- The control of modular, composite and multilevel power converters;
- Partial power-processing converters;
- Multiple input–multiple output (MIMO) power converters;
- The modelling and control of resonant-based power converters and PWM-resonant converters;
- High-switching-frequency applications of GaN and SiC;
- High-power-density switching converters using GaN or SiC.

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### Guest Editors

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# Electronics

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### Deadline for manuscript submissions

closed (30 June 2022)





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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.

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### Editor-in-Chief

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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).

