

## Special Issue

# Modeling and Control of Power Converters for Power Systems

### Message from the Guest Editors

This Special Issue aims to showcase advanced research on machine systems and power converters, focusing on innovative modeling, control strategies, and system integration. The topic aligns perfectly with the journal's focus on machines, power electronics and renewable energy. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Grid Integration and Control of Renewable Energy;
- Renewable Energy Conversion System;
- Integration of an Electrified Propulsion System;
- Power Converters for a New Energy System;
- Advanced Electrical Machine Design and Control;
- Modeling and Stability Analysis of Power Electronics;
- Multi-Physics Co-Design and Optimization.

We look forward to receiving your contributions.

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### Guest Editors

Dr. Xu Wang

Dr. Siyang Yu

Dr. Minshuo Chen

Dr. Wusen Wang

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### Deadline for manuscript submissions

15 May 2026



## Electronics

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CiteScore 6.1



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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

Prof. Dr. Flavio Canavero

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#### Journal Rank:

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provided to authors approximately 16.8 days after  
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the first half of 2025).