

## Special Issue

# Advancements in Electric Motors, Drives, Power Converters and Related Systems, 2nd Edition

### Message from the Guest Editors

Following the success of the 1st Edition of this Special Issue

([https://www.mdpi.com/journal/electronics/special\\_issues/AEMDPCRS\\_electronics](https://www.mdpi.com/journal/electronics/special_issues/AEMDPCRS_electronics)), in the 2nd Edition, we continue to assist all those interested in the topic to promote their vision and ideas. This Special Issue will include, but is not limited to, the application of electric motors, drives, power converters and related systems to address the following areas:

- Power electronic-based power systems (PEPS);
- Power converters for mechanical, kinetic, and thermal heat sources;
- All aspects of DC/DC, DC/AC, AC/AC, AC/DC power converters;
- Ultra-low-power-consumption power converters;
- Energy harvesting and power converters;
- Power converters for new energy power generation systems;
- Optimal design for cost-effective power converter;
- Modulation and control techniques of motor drives;
- Enhancement of power density, efficiency, and reliability of motor drives;
- Performance evaluation of different motor drive topologies.

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### Guest Editors

Dr. Ji Han

Dr. Yaqi Shen

Dr. Yikai Wang

Dr. Jian Qiao

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### Deadline for manuscript submissions

30 September 2025



## Electronics

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CiteScore 6.1



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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).