

## Special Issue

# Power Electronics and Power Converters: Current Status and Future Prospects of Applications

### Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the state of the art in power electronics, power converters, and energy harvesting. Topics of interest include, but are not limited to:

- Advanced power converter topologies and control techniques;
- Low-power and Low-voltage power converters for portable devices;
- Innovations in semiconductor materials and devices;
- Energy harvesting technologies for self-powered devices and IoT applications;
- Modeling and simulation approaches;
- Wireless power transfer technologies;
- Energy storage technologies and their integration with power converters;
- AI and machine learning applications in power electronics;
- Environmental and sustainability considerations in power electronics;

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### Guest Editors

Dr. Zhiyuan Chen

Dr. Nan Chen

Dr. Jingjing Liu

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### Deadline for manuscript submissions

closed (28 February 2025)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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