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## DC–DC Power Converter Technologies for Energy Storage Integration

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Deadline for manuscript  
submissions:

**15 April 2025**

### Message from the Guest Editors

Dear Colleagues,

Researchers are invited to submit articles covering a wide range of disciplines and perspectives, including but not restricted to the following:

- Energy efficient bidirectional DC–DC converters;
- The novel topologies of bidirectional DC–DC converters;
- The modern control systems of DC–DC converters;
- The reliability of power electronic systems for energy storage applications;
- The modeling and simulation of power electronic systems with energy storage;
- Renewable energy systems with DC–DC converter-controlled energy storage;
- DC microgrids with energy storage;
- DC–DC converter control strategies for energy storage integration;
- DC–DC converters for the active balancing of energy storage;
- The electromagnetic compatibility of DC–DC converters;
- Artificial intelligence-based control systems for energy flow control;
- The passive component optimization of bidirectional DC–DC converters.



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## Editor-in-Chief

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## 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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