



Optimal Design and Application of High-Performance Power Converters

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Message from the Guest Editors

Dear Colleagues,

The power converter has been increasingly employed in numerous innovative areas, including electrical aircraft, electrical ships, electrical vehicles/trains, and new energy power generation systems, among others. This has contributed to advances in the circuit topology, modeling methods, control systems, optimization design, and test tools of current power converters, which are characterized by high efficiency, high power density, and high reliability.

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, control, optimization, and application of all types of power converters. Topics of interest for publication may include, but are not limited to:

- All aspects of DC/DC, DC/AC, AC/AC, AC/DC power converters
- Power converters for electrified transportation
- Power converters for new energy power generation systems
- Novel applications of power converters
- Advanced modeling methods for power converters
- New topology for high-performance power converters
- Advanced control and energy management strategies for power converter systems
- Optimal design for cost-effective power converters





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Message from the Editor-in-Chief

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