



Advances in Power Converter Design, Control and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The scope of "Advances in Power Converter Design, Control and Applications" is wide and diverse, covering various aspects of power electronics, with a focus on the development of more efficient, reliable, and cost-effective electrical systems. Topics include but are not limited to:

- Power converter topologies, such as DC–DC converters, AC–DC converters, and DC–AC converters;
- Power converter applications in various fields, including renewable energy systems, electric vehicles, power grids, and consumer electronics;
- Power semiconductor devices, such as diodes, transistors, and thyristors;
- Development of new materials such as wide-bandgap semiconductors;
- Development of advanced control techniques, including digital signal processing, artificial intelligence, and model predictive control;
- Development of more efficient, reliable, and cost-effective electrical systems.





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Message from the Editor-in-Chief

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