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

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Message from the Guest Editors

Dear Colleagues.

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;
- Al and machine learning applications in power electronics;
- Environmental and sustainability considerations in power electronics;

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Message from the Editor-in-Chief

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