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Emerging Directions in Power Converter Control for Renewable Energy Systems and Microgrids

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Message from the Guest Editors

The topics of interest for publication include, but are not limited to, the following:

- Power converter modelling for AC, DC, and AC–DC hybrid.
- Power converters control for AC, DC, and AC–DC hybrid.
- New topologies for power converters applied for renewable energies and microgrids.
- Grid integration through power electronics.
- Storage systems.
- Bidirectional DC–DC converters in DC microgrids.
- Renewable isolated microgrids.
- Power converter control for photovoltaic systems.
- Power converter control for wind power systems.
- Power quality, reliability, and resilience.
- Trends in power converters.
- Predictive control for power converters.
- Linear control for power converters.
- Nonlinear control for power converters.
- Green hydrogen systems.
- Trends in solar, wind, and marine energy power systems.
- Electromobility and its impact on microgrids.
- Novel renewable energies and power topologies for microgrid applications.



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Special Issue



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Message from the Editor-in-Chief

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