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Power Electronics Applications in Renewable Energy Systems

Guest Editor:

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Message from the Guest Editor

The Special Issue of *Energies*, “Power electronics applications in renewable energy systems”, is intended to publish novel promising methods and techniques to maintain the stable operation of power grids with power electronic-based renewable resources.

Prospective authors are invited to submit original contributions for publication in this Special Issue. Topics of interest include, but are not limited to:

- Modeling of large scale PV and wind farms;
- Control design of renewable energy resources in grid operation;
- Application of power electronics-based storage devices for renewable energy resources;
- Grid inertia responses with renewable energy;
- Grid planning with large-scale renewable energy resources;
- HVDC applications for renewable energy resource integration;
- Voltage and frequency control of grids with a high penetration of renewable generation systems.



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Special Issue



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Message from the Editor-in-Chief

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