



Grid Influence by Increasing the Penetration of Renewable Energy Based on Power Electronics

Guest Editors:

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Deadline for manuscript
submissions:
closed (15 May 2022)

Message from the Guest Editors

Dear Colleagues,

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

- Supplementary control design of renewable energy in grid operation, support, and management;
- Power electronics combined models and solutions including storage devices;
- Frequency and voltage regulation in large-scale renewable farms;
- HVDC composition and operation for large-scale renewable energy;
- Frequency control of grid with high penetration of renewable generation systems;
- Hardware-in-the-loop methodology for performance evaluation;
- Smart communication integrated with power converters for control design of renewable energy in grid operation, support, and management;
- Power quality issues on grids with high penetration of power conversion systems;
- Monitoring, management and communication devices and architectures for distributed generation and storage system integration in smart grid framework.





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Message from the Editor-in-Chief

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