

Special Issue

Advanced Grid Integration with Power Electronics

Message from the Guest Editors

In this Special Issue, we invite novel high-quality research paper submissions that cover a wide range of topics and provide new insights for smart grids and power electronics technologies. Topics of interest of this Special Issue include, but are not limited to, the following:

- Power electronic systems—converters and emerging technologies;
- Devices' and converters' aging evaluation;
- Renewable energy integration in smart grids;
- Electric vehicles and their grid integration;
- Distribution power systems;
- Hierarchical coordination of smart grids;
- Demand and supply response and behavioral analysis;
- Prediction algorithms in power flow management;
- Utilization of distributed energy sources for power quality controls;
- Strategies for the control and protection for smart grids;
- Power quality, reliability, and resilience of smart grids;
- Modelling, simulation, and analytical approaches for smart grids.

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Deadline for manuscript submissions

closed (30 March 2023)



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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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