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Grid-Forming Technologies for Renewable Energy Integration

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Message from the Guest Editors

Dear Colleagues,

This Special Issue on *Grid-Forming Technologies for Renewable Energy Integration* is proposed to collect recent research outcomes (both original contributions and reviews) on grid-forming technologies for power-electronic-dominant grids.

Topics of interest for publication include, but are not limited to:

- Novel grid-forming control strategies;
- Design and optimization of VSGs, VOC, and droop control;
- Mechanism and design of grid-forming converters;
- Modelling and stability of grid-forming systems;
- Power electronic converter topologies and control;
- Grid support of grid-forming and grid-following converters;
- Renewable power generation control and operation;
- Standards and requirements for testing and validation.

Prof. Dr. Yongheng Yang

Dr. Minghui Lu

Dr. Qiao Peng

Guest Editors



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Special Issue



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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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