Special Issue

Advances in Integration of Renewable Energy Technologies and Distribution Systems: 2nd Edition

Message from the Guest Editors

The integration of renewable energy technologies into distribution systems is a multifaceted challenge, therefore, the interdisciplinary and innovative solutions are required for the transition to integrating renewable energy technologies into distribution systems that are more distributed, resilient, reliable and efficient.

This Special Issue on “Advances in Integration of Renewable Energy Technologies and Distribution Systems” calls for state-of-the-art works on this promising research area, which aims to explore the most recent advances related to the theory, modelling, planning, operation and control methods to facilitate renewable energy integration into distribution systems and microgrids. Topics of interest for publication include, but are not limited to:

- Grid integration strategies;
- Grid management and control;
- Grid resilience and reliability;
- Grid hosting capacity improvements;
- Distributed energy resources;
- Microgrids and energy storage systems;
- Smart grid technologies;
- Source network load storage collaboration technology;
- Power electronics technology;
- High voltage transmission technology and equipment.

Guest Editors

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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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