

Special Issue

Renewable Sources and Storage: Grid Impact, Modeling and Integration Strategies: 2nd Edition

Message from the Guest Editors

This Special Issue aims to present and disseminate the latest research findings and advancements related to the modeling and analysis of the penetration of renewable energy sources and storage systems in electrical networks. We seek the submission of contributions that explore innovative approaches, methodologies, and technologies that can enhance the efficiency, reliability, and stability of electrical networks incorporating renewable energy and storage solutions. Topics of interest for this Special Issue include, but are not limited to, the following:

- Modeling techniques for renewable energy integration in electrical networks;
- Analysis of the impact of renewable energy sources on grid stability and reliability;
- The role of storage systems in alleviating the demand on electrical networks;
- Smart grid technologies for renewable energy and storage management;
- Grid modernization to accommodate high levels of renewable penetration;
- Techniques for optimizing renewable energy systems for low-voltage network usage;
- Economic and environmental impacts of renewable energy and storage systems, etc.

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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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