

Special Issue

Renewable Energy Microgrids for the Future of Electrical Grid

Message from the Guest Editors

Nowadays, microgrids appear as a valuable option to provide a reliable electricity supply. Due to their ability to operate in grid-connected mode or islanded mode, they can improve the flexibility of the power grid while increasing the security of supply for consumers. This Special Issue aims to present and disseminate the most recent developments that contribute to improve the management of microgrids and their interaction with the electrical grid. Topics of interest for this Special Issue include but are not limited to:

- Integration of renewable energy sources
- Energy storage systems for microgrids
- Microgrid optimal sizing
- Energy management strategies
- Energy supply reliability
- Production forecasting applied to energy management
- Load forecasting and scheduling

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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