Special Issue

Development and Application of Smart Grids for Sustainable Energy Systems

Message from the Guest Editors

In the future, the new distributed energy systems will become the main way of urban energy supply, providing more reliability and stability. Meanwhile, it can also be combined with smart grids to achieve energy interconnection and intelligent management, providing stronger support for sustainable energy development. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control, and condition monitoring of distributed new energy systems. The following are topics of interest:

- Prediction and aggregated adjustable capacity evaluation of distributed renewable energy resources.
- Multi-time-scale operation scheduling and intelligent energy management methods for distributed energy systems.
- Low-carbon operation and carbon-trading mechanisms.
- Coordinated control of distributed energy resources: Safety and stability.
- Resilience enhancement technology of distributed energy systems.
- Comprehensive energy system design, planning, operation, and trading decision-making.
- Business model and ancillary service market design.

Guest Editors

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Deadline for manuscript submissions

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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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