Special Issue

Enhancing Renewable Energy Integration with Flexible Power Sources

Message from the Guest Editor

This Special Issue aims to explore innovative methods and strategies to enhance power flexibility to support the grid integration of large-scale wind and solar power, as well as methodologies for conducting renewable energy integration analysis. We invite submissions covering a wide range of topics, including but not limited to the following key research directions: 1) Dispatching hydropower–wind–solar hybrid systems; 2) Quantifying the flexibility requirements of power systems; 3) Quantifying the flexibility capability of hydropower plants; 4) Analyzing the capability of new energy integration; 5) Pumped-storage renovation of conventional hydropower; 6) Methods for configuring new energy storage systems.

Guest Editor

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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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