Special Issue

Renewable Energy Planning and Energy Management Systems

Message from the Guest Editors

Due to environmental concerns, electricity generation from renewable energy sources (RESs) has been experiencing rapid growth in power grids worldwide. The large-scale integration of power electronics-connected RES and the high penetration of distributed RESs present diverse challenges to energy systems. The secure operation of power grids with a high proportion of RESs is a critical challenge in RES utilization due to intermittency and uncertainty in power generation. The optimum design and operation of RESs are vital to grid operators and authorities to capitalize on RESs and alleviate their negative impacts on power grid stability and reliability. This Special Issue of Energies, "Renewable Energy Planning and Energy Management Systems", aims to disseminate new promising methods for the planning of RES integration and emerging techniques for the energy management of RESs and DES for the secure operation of the grid.

Prospective authors are invited to submit original contributions, survey papers or tutorials for review for publication in this Special Issue.

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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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