Special Issue

Modeling and Optimal Operation of Hydraulic, Wind and Photovoltaic Power Generation Systems

Message from the Guest Editors

The modeling and optimal control of renewable energy sources such as hydraulic, wind and photovoltaic, which play an increasing role in modern power systems, are of great importance for safe and stable system operation. This Special Issue aims to present and disseminate the most recent advances related to the theory and/or application research on the modeling and optimal operation of hydraulic, wind and photovoltaic power generation systems. The topics of interest for publication include, but are not limited to, the keywords below.

hydraulic/solar/photovoltaic power generation system
system integration; refined modeling; optimal operation
advanced/intelligent control; cooperative control
performance evaluation; scheduling and planning
fault forecasting/diagnosis
CFD simulation; stability analysis
multi-energy complementary
100% renewable power system
smart microgrid

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.

Editor-in-Chief

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