Special Issue

Management and Optimization for Renewable Energy

Message from the Guest Editor

Currently, emerging smart grids and the increasing penetration level of renewable resources in power systems is leading to tremendous changes in the operation and planning of networks. Accordingly, new optimization methods are required for the management and impact assessments of these resources. This Special Issue encompasses novel optimization methods for the management of renewable energy resources. The focus will include new methods and techniques for the optimal modelling of resources and markets, modelling of energy communities, optimization methods to improve the performance of local electricity markets, models of uncertain parameters and risk management approaches, assessing the impacts of uncertain resources on energy and ancillary service markets, optimization methods for trading imbalance, demand side management, economic aspects of climate change, etc.

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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