Special Issue

Operation and Optimization of Renewable Energy Power System

Message from the Guest Editors

The volatility and unpredictability of electricity production from wind and solar presents a serious challenge for the operation and optimization of power systems. Future decarbonized and decentralized power systems will have to convert from today's load following to generation following. This will require tremendous changes in the way power systems are operated, demanding new sources of power system flexibility and adequate technology solutions to cope with the high level of power system decentralization. This Special Issue focuses on the future challenges in the operation of power systems with a high share of renewable energy sources, and the corresponding solutions in terms of the development of different optimization algorithms and technology innovations.

Guest Editors

Dr. Vedran Kirincic

Dr. Tomislav Plavsic

Dr. Vladimir Valentic

Dr. Marko Mimica

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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