



Operation and Optimization of Renewable Energy Power System

Guest Editors:

Dr. Vedran Kirincic

Dr. Tomislav Plavsic

Dr. Vladimir Valentec

Dr. Marko Mimica

Deadline for manuscript
submissions:

closed (31 May 2024)

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.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)