Special Issue

Research on the Optimization of Demand Response in Electric Power Systems

Message from the Guest Editor

Power systems with renewable energy sources (RESs) in electric power systems are anticipated to experience substantial growth due to the emerging market. The uncertainty and variability in the production of power via RESs, along with their expanding technology options (photovoltaic panels, plug-in electric vehicles, storage, etc.), propel the need for a higher level of power system flexibility that involves demand-side management. This Special Issue focuses on the optimizations that have been achieved in demand response applications. Potential topics include, but are not limited to, the following:

- Optimizations used in demand response
- Ai-based applications in demand response
- Demand response for the energy market
- Demand response for ancillary services
- TSO/DSO applications with effective demand response

Guest Editor

Dr. Ahmet Onen
Electrical and Computer Engineering, Sultan Qaboos University, Muscat 123, Oman

Deadline for manuscript submissions

closed (31 January 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/180152

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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

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)

MDPI