energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.2

Optimization Models to Foster Demand Response in Power Systems

Guest Editor:

Prof. Dr. Carlos Henggeler Antunes
INESC Coimbra, Department of Electrical and Computer Engineering, University of Coimbra, Polo 2, 3030-290 Coimbra, Portugal

Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editor

Contributions to this Special Issue are expected to cover novel models and optimization tools for addressing a wide range of topics in demand-side management and demand response, namely concerning load scheduling, the integrated optimization of energy resources, issues associated with the location of equipment, as well as communications, system reliability and provision of ancillary services, and market design and operation in the realm of the evolution to smart grids. Contributions reporting real-world case studies are also welcome.

All papers will undergo a stringent peer review procedure in accordance with the quality standards of *Energies*. Papers must contain original research results including comprehensive mathematical models, algorithmic advances, and extensive numerical experiments. Numerical illustrations cannot be toy examples, but must be real or realistic case studies for which all data should be provided (in the paper or as supplementary material) to ensure the replicability of results. The research reported in contributed papers should convey novel and significant work with respect to the relevant literature.

energies

IMPACT FACTOR 3.0

CITESCORE 6.2

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