energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.2

Optimum Choice of Energy System Configuration and Storages for a Proper Match between Energy Conversion and Demands

Guest Editors:

Prof. Dr. Andrea Lazzaretto
Department of Industrial Engineering, University of Padova, Via Venezia 1, 35131 Padova, Italy

Prof. Dr. Andrea Toffolo
Department of Engineering Sciences and Mathematics, Luleå University of Technology, S-97187 Lulea, Sweden

Deadline for manuscript submissions:
closed (26 April 2019)

Message from the Guest Editors

This Special Issue aims to address the general problem of the design and operation of the system configuration both for single or group of plants, which involves decisions about thermodynamic cycles or processes involved, type, number and design parameters of components/plants and storage capacities, and their interconnections.

The availability of easy-to-use and more powerful built-in software, or the possibility to create new software to simulate (and therefore predict) and optimize the system performance taking into account all possible external constraints (e.g., grid capacity restrictions, stochastic availability of renewable sources, energy prices and costs, etc.) widen the possibility of creating “smart” system configurations, e.g., able to optimally adapt to requirements and other constraints.

Original manuscripts focusing on the search for new energy systems (as described above) configurations are welcome. New concepts, modelling approaches, optimization algorithms and practical applications aimed at simplifying and making more efficient, less costly, more environmental friendly this search are distinguishing factors.

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.2

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