



Smart Technologies, Management and Control for Energy Systems and Networks

Guest Editors:

Dr. Lucio Ciabattoni

Prof. Dr. Gabriele Comodi

Prof. Dr. Giorgio Graditi

Dr. Anna Pinnarelli

Deadline for manuscript
submissions:

closed (20 August 2021)

Message from the Guest Editors

Dear Colleagues,

In recent decades, an ever-growing concern about energy transition has fostered a massive use of renewable energy systems, provided the electrification of conventional means of transportation, and enhanced the use of energy storage from residential to industrial, tertiary, and utility level applications.

This Special Issue will focus on the key technologies enabling energy transition in future multi-energy systems and networks. In particular, the ever-growing importance of exploiting synergies between different energy networks, namely electric, natural gas, district heating and cooling, and, to a wider extent, other “networks” such as E-mobility and water is becoming widely recognized. When dealing with multi-energy systems, a holistic approach should be used. Technologies enabling interactions between networks (polygeneration, heat pumps, etc.), optimal management and control strategies, energy storages (EES, TES, power-to-X), and ICT tools will play a pivotal role to fully exploit the potential flexibility required when increasing the share of energy production from non-programmable renewables sources.





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)