



energies



an Open Access Journal by MDPI

Modeling, Control and Optimization of Hybrid Energy Systems for Climate Change

Guest Editors:

Prof. Dr. Sumin Kim

Department of Architecture &
Architectural Engineering, Yonsei
University, Seoul 03722, Republic
of Korea

Dr. Seong Jin Chang

Department of Interior Materials
Engineering, College of
Construction and Environmental
Architecture and Architectural
Engineering, Gyeongnam
National University of Science
and Technology, Jinju 52725,
Korea

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

This Special Issue will be a practical and comprehensive forum for exchanging novel research ideas and empirical practices that bridge the optimization of energy techniques, sustainable energy systems, and the carbon footprint of energy production. Papers that analyze aspects related to energy systems for climate change and those useful for increasing the knowledge of energy systems on the basis of one or more of the following topics are welcome in this Special Issue,

- Low carbon energy production and use technologies;
- Climate change model prediction and uncertainties;
- Thermal energy storage systems;
- Hybrid energy systems for climate change;
- Energy harvesting technology;
- Life-cycle analysis of new energy production;
- Building environment and energy;
- Energy saving building materials;
- Computational fluid dynamics;
- Urban heat island phenomenon;
- Carbon capture and waste management;
- Eco-friendly energy systems;
- Energy technology and policy in smart cities.



mdpi.com/si/44494

Special Issue



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://x.com/energies_mdpi)