Special Issue

Modeling, Control, and Optimization of Hybrid Energy Systems in Buildings

Message from the Guest Editor

This Special Issue will contribute a practical and comprehensive forum for exchanging novel research ideas or empirical practices that bridge the optimization of energy techniques, sustainable building energy systems, and energy saving in buildings. Papers that analyze aspects of energy systems in buildings, which are useful for increasing our knowledge of energy systems, on the basis of one or more of the following topics, are welcome in this Special Issue:

- building energy
- improvement of energy performance in buildings
- hybrid energy systems in buildings
- energy simulation in buildings
- thermal energy storage system
- improving thermal comfort technologies
- optimization of air conditioning system
- HVAC and other technical systems
- building environment and materials
- energy-saving building materials
- lighting control system
- computational fluid dynamics

Guest Editor

Prof. Dr. Sumin Kim

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

Deadline for manuscript submissions

closed (31 March 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/20064

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