



energies



an Open Access Journal by MDPI

Innovative Technologies for Buildings Energy Efficiency and NZEB Targets

Guest Editors:

Prof. Dr. Annamaria Buonomano

1. Department of Industrial Engineering, University of Naples Federico II, 80126 Naples, Italy
2. Department of Building, Civil, and Environmental Engineering, Concordia University, Montréal, QC H3G 1M8, Canada

Prof. Dr. Adolfo Palombo

Dipartimento di Ingegneria Industriale - Università degli Studi di Napoli Federico II, P.le Tecchio, 80, 80125 Napoli, NA, Italy

Deadline for manuscript submissions:
closed (20 December 2019)

Message from the Guest Editors

The aim of this Special Issue is to collect papers focused on new research results regarding technologies for the energy efficiency of buildings at the single or cluster scale. For single buildings, particular attention is paid to research studies regarding novel passive envelope techniques and innovative materials (e.g. cool paints, low-e coating and skin, smart façades, phase change materials, etc.). The Special Issue will include papers on innovative HVAC systems and control; innovative ventilation strategies and equipment; novel thermal energy storage; and renewable energy applications. Regarding the last topic, there is special interest in innovative solar energy devices for residential, commercial, public, and industrial applications such as building integrated solar collectors, photovoltaic/thermal collectors, high temperature collectors, etc.. Concerning buildings' energy efficiency at the cluster scale, particular attention is paid to research papers regarding innovative district heating and cooling systems, as for example those including renewable energy sources, or district heating loops adopting heat pumps and low temperature working fluids.



mdpi.com/si/18370

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://twitter.com/energies_mdpi)