



energies



an Open Access Journal by MDPI

Integrated Building Performance Simulation

Guest Editor:

Dr. Georgios Kokogiannakis

Sustainable Buildings Research
Centre, Faculty of Engineering
and Information Sciences,
University of Wollongong,
Wollongong 2519, Australia

Deadline for manuscript
submissions:

closed (20 December 2020)

Message from the Guest Editor

Dear Colleagues,

Building performance simulation programs have become an invaluable tool for informing policy strategies in different climatic zones, defining new energy-efficient designs, improving indoor comfort, and testing the impact of innovative building products on energy demand and emissions. These programs have advanced significantly over the last four decades and are able to quantify important metrics for the quality of the built environment. They also in some cases integrate occupant behaviour algorithms to quantify the impact of occupant actions on the energy performance of different building designs and also physiological models for local thermal and visual comfort analysis in relation to the physiology of occupants. Given the complex, dynamic and highly interactive energy and mass flow paths in the built environment, there is a continuous need for research on the development and validation of models that better represent these flow paths.



mdpi.com/si/37173

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)