Special Issue

Applied Thermodynamics and Heat Transfer for Buildings 2021

Message from the Guest Editors

The proposed Special Issue analyzes all the topics regarding Applied Thermodynamics and Heat Transfer for Buildings, with reference to both the building envelope and energy conversion systems for buildings. The innovative aspects will be mainly considered. A non-exhaustive list of the analyzed topics includes:

- Thermal and energy parameters of the building envelope ;
- Condensation formation in the building envelope;
- Solar shadings for building ;
- Innovative solutions for the building envelope;
- Solar technologies adopted for buildings, considering different possible solutions able to match the energy loads;
- Building integrated solar systems;
- Energy efficiency in buildings, nearly and Net Zero Energy Buildings (nZEBs–NZEBs), plus zero energy buildings;
- Heating and air-conditioning systems for buildings;
- DHW (domestic hot water) production.

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Deadline for manuscript submissions

closed (28 February 2022)

Energies

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CiteScore 7.3

mdpi.com/si/71984

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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.

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