

Special Issue

Advances in Artificial Intelligence and Machine Learning Applied to Energy Efficiency in Building Design

Message from the Guest Editor

The present Special Issue welcomes scientific papers that deal with the application of recent artificial intelligence techniques in problems dealing with energy efficiency in building design engineering. The authors are encouraged to submit their studies within the scope of “Advances in Artificial Intelligence and Machine Learning Applied to energy efficiency in building design.” Novel deep learning algorithms and metaheuristic-optimized ensembles can be of high interest. Disseminating the solutions in the form of a graphical user interface (GUI) and mathematical equations is recommended to enable the readers to make practical use. Focal points of this Special Issue include, but are not limited to, innovative applications of intelligent models in:

- energy efficiency
- building design
- Smart buildings
- Modeling of advanced materials and technologies in buildings
- Geohazards and disasters prevention related to building design
- Pollutions and emissions
- Design of structural components
- Sensors and monitoring systems
- Modeling of advanced materials and technologies in buildings
- Geomechanics for energy and environment

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2024)



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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.

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