Special Issue

Advances in Building Energy Modeling and Simulation

Message from the Guest Editor

We are delighted to announce the launch of a Special Issue on "Advancements in Building Energy Simulation: Modeling Assumptions and Performance Implications" in Energies. This special issue aims to explore the critical role of modeling assumptions in accurately predicting building energy performance and their implications for energy-related analysis. Topics of interest for this Special Issue include (but are not limited to):

- Unveiling energy-related occupant behavior in buildings
- Advanced building energy analysis techniques
- Monitoring, modeling, and simulation of energy systems
- Uncertainty and sensitivity analysis of building energy performance
- Optimization strategies for building energy efficiency
- Accurate modeling of building envelopes
- Precise estimation of cooling, heating, and lighting demands
- Understanding the influence of building climate on energy performance
- Enhancing building thermal comfort through simulation

We look forward to your valuable contributions and the collective advancement of building energy simulation research.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)

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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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