Special Issue

Building Energy Use: Modeling and Analysis

Message from the Guest Editors

This Special Issue aims to publish original manuscripts of innovative research in building energy use modeling and analysis. Comprehensive reviews of this research field are also welcome. The potential topics include, but are not limited to:

- Building energy modeling (e.g., EnergyPlus and Integrated Assessment) from single building to global levels
- Comparison of building energy modeling techniques
- Validation of building energy modeling using new data (e.g., smart meter)
- Impacts of global changes (e.g., climate, urban heat island, and extreme heat events) on building energy use
- Impacts of human activities (e.g., behavior and building operation) on building energy use
- Impacts of technology advancement and policy on building energy use
- Building CO2, black carbon, and HFC emissions modeling and analysis
- Policy analysis and implications (e.g., zero energy building) for building energy use
- Impacts of building energy use on the environment (e.g., air pollution)
- Application of big data in building energy use modeling and analysis

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2018)

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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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