

Special Issue

Applications of Building Energy Performance Simulation

Message from the Guest Editors

In recent decades, Building Performance Simulation (BPS) has been developing into a fundamental tool to allow for the design of high-performance buildings, investigating the potential of new solutions regarding the building envelope, the HVAC system, and the overall control and regulation of the building system. This Special Issue, “Applications of Building Performance Simulation”, aims to collect research papers and reviews on recent trends and developments in Building Performance Simulation, with a particular focus on the application of building simulation for the design, redesign or operation of high-performance buildings. Research topics of interest for this Special Issue range from the simulation of the performance of elements and components of the building envelope and the HVAC system, to the analysis of the overall performance of the building system, considering energy and/or comfort aspects and also including the role played by building control strategies.

Guest Editors

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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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