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The Effects of Predictive Control on Energy Performance of Buildings

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Message from the Guest Editors

Buildings represent a significant proportion of worldwide energy use and equally contribute to greenhouse gas emissions. The energy performance of buildings is affected by both the advanced design of buildings and their systems as well as intelligent utilization of the occupied spaces with advanced control systems. Intelligent operation includes both predictive and real-time controls for the operation of building systems (heating and cooling, ventilation, lighting, indoor air quality, operation of the auxiliary systems, etc.). In this Special Issue, we seek papers summarizing novel research in the design of hardware and software systems that optimize building energy performance while improving indoor ambient quality, occupant productivity, and occupant health.



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Special Issue



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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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