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Application of Renewable Energy in Buildings

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Message from the Guest Editors

Dear Colleagues,

The Special Issue contains research regarding energy consumption and thermal storage efficiency in buildings, with a focus on building heating, cooling, lighting and ventilation, phase-change heat storage and energy-efficient buildings. The Special Issue is also dedicated to exploring and disseminating the storage, conversion and utilization of renewable energy sources (e.g., solar, wind, hydro, bioenergy, etc.), involving the design and development of novel technologies, equipment and systems, with a preference towards the development of new technology and the combined study of engineering examples combining multiple topics.

Topics of interest for publication include, but are not limited to:

- Renewable energy acquisition, conversion, storage and utilization;
- Passive utilization technology of renewable energy in buildings;
- New technology of building energy conservation;
- Predictive analysis of building energy consumption;
- Optimization of renewable energy supply system;
- System operation and maintenance debugging;
- System fault diagnosis;
- Multi-energy coupling utilization;
- Building indoor environment.



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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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