



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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Message from the Editor-in-Chief

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