

Special Issue

Advances in Energy Efficiency and Conservation of Green Buildings

Message from the Guest Editors

Green buildings, which are able to utilize renewable energy sources to conserve energy and reduce emissions, have gradually become the trend of modern buildings due to their sustainable development characteristics. Recently, many advanced techniques of energy efficiency and conservation in green buildings have arisen, such as photovoltaic, energy storage, direct current and flexibility (PEDF) techniques, natural ventilation, optimal control techniques, etc. These design, optimization and control techniques are critical to the thermal comfort and energy efficiency of green buildings. This Special Issue will deal with novel design, optimization and control techniques for green buildings. Topics of interest for publication include, but are not limited to:

- Design and optimization of green buildings;
- Optimal control techniques of green buildings;
- Photovoltaic systems;
- Energy storage systems;
- Heating, ventilation and air conditioning (HVAC) systems;
- Energy management systems;
- Natural ventilation techniques;
- Full life cycle economic analysis;
- Optimal operation of renewable energy;
- Application of artificial intelligence for green buildings.

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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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