Special Issue

Research Trends of Thermal Comfort and Energy Efficiency in Buildings

Message from the Guest Editors

Thermal comfort and energy efficiency in buildings are two fundamental aspects of a wider issue related to our communities in terms of human well-being and energy sustainability. Efficient buildings need high-efficiency energy systems and components that are able to satisfy local energy demands to also employ renewable energy resources. Within this context, single structures need to be designed by applying a holistic vision oriented towards energy efficiency and indoor comfort. In turn, single structures can be considered part of greater communities able to join forces and invest in clean energy towards a zero-carbon emission perspective. Consequently, this Special Issue, titled “Research Trends of Thermal Comfort and Energy Efficiency in Buildings”, has a wide-ranging goal, considering different levels of knowledge. This Special Issue welcomes high-quality papers focused on the following topics:

- HVAC system solutions;
- Renewable energy sources for buildings;
- Energy communities;
- Thermal and visual comfort;
- Urban building energy modeling;
- Heat transfer in building components;
- Zero or nearly-zero energy buildings.

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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