Special Issue

Advanced Technologies in HVAC Equipment and Thermal Environment for Building

Message from the Guest Editor

Zero energy building and artificial intelligent (AI) techniques are resulting in new demands being placed on HVAC systems. Renewable energy techniques are beginning to allow HVAC systems to be integrated into zero energy construction. There are also attempts to combine AI equipment with HVAC equipment to realize smart monitor features. On the other hand, some innovative technologies and facilities have arisen from attempts to overcome the disadvantage of HVAC in terms of energy expenditure. Thus, this Special Issue aims to collect advanced research achievements related to advanced techniques of HVAC and other innovation technologies that are used in shaping the thermal environment in buildings. Topics of interest for publication include but are not limited to:

- Smart HVAC technology
- HVAC system integrating renewable energy technology
- Ecological restoration planning
- Ductless HVAC system
- Ecological low-carbon planning
- Relative HVAC analysis software and algorithm
- Virtual reality for HVAC monitoring
- Innovation technique for building thermal environment adaptation

Guest Editor

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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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