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Data-Driven Energy-Cost Analysis of HVAC System for Buildings

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Message from the Guest Editors

As the Guest Editor, I kindly invite you to submit your papers to be published in a Special Edition of *Energies*, "Data-driven Energy-cost Analysis of HVAC System for Buildings". This Special Issue focuses on recent research developments and applications on how to analyze building heating and cooling energy consumption, design of passive and active parts in buildings, and optimization of building operations for energy conservations based on the related design and operation data.

Main topics include:

- Research on the building heating and cooling load estimations and optimization;
- Analysis of building energy consumption based on real-time operation histories from the HVAC facilities, and/or energy simulation using machine learning techniques;
- Optimum design of building HVAC systems accounting for the initial capital and running energy costs;
- Optimum design of building HVAC systems considering renewable energy;
- HVAC energy costs and consumptions analysis handling of the heating and cooling loads of buildings;
- Integrated analysis of building envelope and HVAC system designs.

Deadline for manuscript
submissions:

closed (20 September 2021)



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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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