Special Issue

Sustainable Use of Energy in Buildings

Message from the Guest Editor

The sustainable use of energy in buildings deals with a complex group of scientific items and with several technologies, including building physics, efficient HVAC systems, and use of renewables in buildings and in the surroundings. Since most buildings pertain to buildings stock, big effort has to be driven to (but not limited to) old buildings including historical buildings. For this purpose, research focusing on the performance of envelope solutions (including active and adaptive systems), low temperature heating/high temperature cooling systems, efficient ventilation systems and strategies, and the use of renewable energy sources in buildings and neighborhoods (including demand-response and occupant engagement) are welcome for this Special Issue. Your contribution may describe mathematical models, test campaigns, case-studies and technological applications in the rational use of energy in new and existing residential, commercial and industrial buildings.

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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