Special Issue

Solar Cooling and Heating Technologies

Message from the Guest Editors

Buildings account for a surprisingly high 40% of the final energy consumption worldwide. For example, in Europe, the resulting CO2 emissions constitute 36% of the EU's carbon footprint. Amongst the different uses for energy in buildings, heating and cooling accounts for 76% of the total final energy use in EU households. Accordingly, the heating and cooling demand in the building sector constitutes a major target in the energy efficiency policies due to the potential increase in significant energy savings and decrease in CO2 emissions. In this sense, the development and use of high-efficient energy systems totally or partially driven by renewable (solar) energy can contribute to achieving a highly energy-efficient and decarbonised building stock. This Special Issue of Energies titled "Solar cooling and heating technologies" calls for papers that investigate innovative ideas and research progress in solar cooling and heating systems for the purpose of reducing the energy consumption in the building sector.
Assoc.

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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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