Special Issue

Solar Thermal Collection and Storage Systems

Message from the Guest Editor

Solar thermal energy has been increasingly used for process heating, cooling, drying, and power generation applications. The solar collector is the main part of any solar thermal system, and the efficiency of the collector drives the economy of the system. Thermal energy storage technology is essential to promote the utilization of solar thermal energy. Efficient collection and storage systems, and active participation from the demand side, with efficient use of the available energy are all important, and demand flexibility must be intelligently used to compensate for the intermittency of the sun. This Special Issue provides a platform for publishing and sharing novel, inspiring, and promising research on solar thermal collection and storage systems. Advanced analysis and efficiency improvement of solar water and air collectors and concentrating solar collectors and thermal storage will be the primary focus of this issue. We therefore invite papers on innovative technical developments, reviews, case studies, analytical papers, as well as assessments from different disciplines which are relevant to “Solar Thermal Collection and Storage Systems”.

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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