Special Issue

Advanced Technology for Solar Thermal Cooling, Heating, and Energy Storage

Message from the Guest Editors

Dear Colleagues: This Special Issue aims to present the most recent advances related to the theory, design, controlling, modelling, case study, validation, and measurements of all types of energy conversion systems, and solar thermal technologies related to the cooling and heating systems or to energy storages are highly preferred. Topics of interests for publication include, but are not limited to, the following:

- All aspects of solar thermal technologies related to cooling and heating systems, including thermal-sorption (adsorption and absorption) and thermo-mechanical systems.
- All aspects of solar-sourced energy storages, including the sorption and thermochemical heat storages.
- Solar dissociative evaporative cooling technology.
- Hybrid solar cooling technology.
- Multi-use solar systems for heating, cooling, and power generation.
- Phase-change-material in solar thermal storage.
- Numerical methods and simulation software in the field of solar energy.
- Fault-tolerant strategy and control framework

Guest Editors

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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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