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Advanced Applications of Solar and Thermal Storage Energy

Guest Editors:

Prof. Dr. Chun Chang

Prof. Dr. Mingzhi Zhao

Dr. Cancan Zhang

Prof. Dr. Jianfeng Lu

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submissions:

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Message from the Guest Editors

The energy consumption of buildings and industries is enormous, resulting in significant emissions. Solar thermal technology has great potential to support a carbon-neutral economy as well as contribute to energy efficiency, flexibility through thermal energy storage, and the reliability and security of the energy supply.

This Special Issue aims to present the most recent original research related to the theory, design, modeling, and application of all types of solar heating and cooling systems and thermal storage technology with the aim of meeting the increasing need for modernization and greater energy efficiency to significantly reduce CO₂ emissions.

Topics of interest for publication include, but are not limited to:

- Solar collectors;
- Solar water heating;
- Solar space heating and cooling;
- Industrial process heat;
- Solar desalination;
- Solar thermal power;

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Guest Editors



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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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