

Special Issue

Advances in Solar Thermal Energy Harvesting, Storage and Conversion

Message from the Guest Editors

Solar thermal technologies, including concentrating solar power, solar-driven desalination, solar heating or cooling, solar industrial process heat, etc., present significant advantages in producing heat, electricity, fresh water, etc. In these technologies, the solar energy should be, firstly, efficiently harvested by converting solar energy to thermal energy. Then, the thermal energy can be stored, converted to electricity, employed to produce fresh water or utilized under various situations. The Special Issue of “Advances in Solar Thermal Energy Harvesting, Storage and Conversion” aims to capture the latest research in the fields of concentrating solar power, new power cycles or conversion approaches, thermal energy storage, solar-driven interfacial evaporation, solar heating or cooling, solar industrial process heat, etc. Articles may describe innovative technical developments, experimental, numerical or analytical studies or assess the future prospects of and make suggestions on potential approaches to emerging technology solutions.

Guest Editors

Dr. Yu Qiu

Dr. Qiliang Wang

Prof. Dr. Chao Xu

Dr. Evangelos Bellos

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

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