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Performance and Optimization of Solar Thermal Energy Storage Systems

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Deadline for manuscript submissions:
closed (20 December 2023)

Message from the Guest Editors

Dear Colleagues,

As Guest Editors, we are pleased to invite you to contribute to this Special Issue by submitting papers on innovative technical developments, reviews, case studies, and analytical, as well as assessment, works from different disciplines that are relevant to solar thermal energy storage.

This Special Issue provides a platform for publishing and sharing novel, inspiring and promising research on solar thermal energy storage. Topics of interest include, but are not limited to the following:

- Solar thermal energy storage materials and methods;
- Innovative thermal energy storages;
- Advanced techniques for improving the heat transfer;
- Modeling and experimentation;
- Optimization and control strategies;
- Solar applications, i.e., heating, cooling, desalination, power generation, etc.;
- Life cycle costing and life cycle assessment;
- Energy, exergy, economic and environmental analysis.

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Message from the Editor-in-Chief

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