

Special Issue

Design and System Integration of Thermal Energy Storage: Volume 2

Message from the Guest Editors

The optimal design and integration of thermal energy storage could let to achieve encouraging results in terms of energy saving and thermal load management, especially in systems in which different user profile are supplied by the same source. To this aim, we encourage works from both industry and academia focusing (but not limiting) on the following topics:

- Thermal energy storage for sustainable communities;
- Thermal energy storage for district heating and cooling applications;
- Optimal design and integration of Thermal Energy Storages
- Life Cycle Analysis of energy systems equipped with TES;
- Design methodologies for Thermal Energy Storage;
- Numerical simulation and optimisation techniques;
- Active TES systems;
- Passive TES systems;
- Application of TES in the residential sector;
- Application of TES in the tertiary sector;
- Development of control strategies for TES;
- Thermal energy storage for demand response;
- Thermal energy storage for grid applications;
- Thermal energy storage for renewable energy integration;

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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