Special Issue

Seasonal Thermal Energy Storage System

Message from the Guest Editor

Recently, seasonal thermal energy storage is seen as a potential link between energy vectors in integrated energy systems, e.g. for storing excess renewable electricity as thermal energy via heat pumps. These trends in different types of seasonal storage technology and future roles of seasonal storage in wider energy systems offer large and exciting opportunities for seasonal thermal energy storage technology. The aim of this Special Issue is to present state-of-the-art research in the design, development, and application of seasonal thermal energy storage. Topics of interest include, but are not limited to:

- Development of energy storage technology
- Techno-economic analysis
- Design and operational optimisation
- Integration in multi-vector energy systems
- Thermal energy management
- Control of thermal energy storage
- Pilot systems and field tests
- Energy systems modelling

Guest Editor

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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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