Special Issue

Thermal Energy Storage Systems Modeling and Experimentation

Message from the Guest Editors

The is inviting submissions to a Special Issue of Energies on the subject area of 'Thermal Energy Storage Systems Modelling and Experimentation'. Thermal energy storage (TES) systems are important to resolve the intermittence of renewable energies, such as solar thermal energy. Integrating TES into renewable energy systems can significantly enhance their reliability and stability while it also reduces the levelized cost of renewable electricity by virtue of its inherent low cost of thermal energy storage. Latent heat TES using phase change material (PCM) and thermochemical TES are very promising candidates, nevertheless, there are several significant challenges persisted, such as poor thermal conductivity of PCM, and integration methods.

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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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