Special Issue

Phase Change Materials: The Ideal Solution for Thermal Management

Message from the Guest Editors

Renewable energy has seen growing development in recent years with the aim of peak carbon dioxide emissions and carbon neutrality. Thermal energy storage (TES) technology is considered to have the greatest potential to balance demand and supply, overcoming the intermittency and fluctuation nature of real-world heat sources, making a more flexible, highly efficient, and reliable thermal energy system. TES is a crucial and widely recognized technology designed to capture renewables and recover industrial waste heat, helping to balance energy demand and supply on a daily, weekly, or even seasonal basis in thermal energy systems. This Special Issue focuses on recent research advances, case studies, and practices to promote thermally based energy storage technologies and aims to provide a stage for researchers to communicate up-to-date progress. Research related to thermally based energy storage technologies from the level of basic principles, materials, components, and systems is welcomed.

Guest Editors

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Deadline for manuscript submissions

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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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