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Thermal Energy Storage and Thermal Management (TESM2017)

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Message from the Guest Editors

Dear Colleagues,

With the worsening energy shortage and environmental pollution, thermal energy storage and thermal management have received much attention in solar thermal utilization, building energy-saving, cooling electronic devices, the battery thermal management of electrical vehicles, and so on. To enhance the efficiency of thermal energy storage and thermal management systems, the thermal properties of materials and the heat and mass transfer mechanisms of systems are key factors.

This Special Issue will cover recent research and trends in thermal energy storage and thermal management, including materials, devices and systems. In particular, this Special Issue will cover the heat transfer and multiphase flow in different devices and systems. The preparation, characterization and thermal properties of different materials are of interest. We welcome both experimental and computational studies, such as molecular dynamics, dissipative particle dynamics, the lattice Boltzmann method, and so on.

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Special Issue



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Message from the Editor-in-Chief

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