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# Phase Change Material (PCM) 2017

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## **Message from the Guest Editors**

Dear Colleagues,

Phase change materials (PCM) have attracted the attention of researchers for their use in different thermal energy storage (TES) systems. These materials can store and release high amounts of energy in a reduced thermal range, making them suitable for implementation in multiple applications. Moreover, experimental tests at prototype scale are of crucial importance to analyze the performance of PCM use in a given application under laboratory or real conditions. Furthermore, numerical models play an important role to improve the design and control strategies of PCM units. Finally, the study of life cycle analyses of PCM systems have demonstrated that the use of appropriate TES systems using PCM can lead to less pollution in the environment and less CO<sub>2</sub> emissions.

Keywords: PCM; TES; Solar applications; Buildings; Industrial applications; Waste heat recovery; Materials development; Numerical modelling

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# **Message from the Editor-in-Chief**

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