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Solar Thermal Energy Storage and Conversion

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Deadline for manuscript submissions:
closed (20 June 2019)

Message from the Guest Editors

Solar thermal utilization and its conversion to cooling, dehumidification, drying, power generation, etc., have been rapidly developed recently, and thermal energy storage technology is essential to promote the utilization of solar thermal energy.

This Special Issue provides a platform for publishing and sharing novel, inspiring and promising researches on solar thermal energy storage and conversion. Potential topic include, but are not limited to:

- Novel solar thermal energy storage materials;
- Novel solar thermal energy storage methods;
- Long-term and seasonal solar thermal energy storage;
- Heat transfer enhancement of solar thermal energy storage material and system;
- Efficient solar thermal energy conversion technologies, e.g., for heating, cooling, desalination, dehumidification/drying, CO_2 capture and sequestration, and power generation;
- Issues related to control, diagnostics and integration of solar thermal energy storage and conversion in buildings and manufacturing processes;
- Economic, environmental and policy related analysis and review of solar thermal energy storage and conversion in various applications.

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Message from the Editor-in-Chief

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