

Special Issue on
Storage and Conversion of Building Renewable Energy

CALL FOR PAPERS

The growing concern on the energy conservation has heightened the need for the increasing use of renewable energy in the building sector. Of particular interest and complexity are the building solar system, ground source heat pump (GSHP), and energy efficiency of buildings energy system. Unfortunately, the demand and supply of Building Renewable Energy does not match in time, space, and intensity. Thermal Energy Storage (TES) system in building energy is the efficient method to solve the mismatch.

To promote communication between researchers of Building Renewable Energy, we invite investigators to contribute original research articles as well as review articles that will stimulate the continuing efforts to understand the storage and conversion of Building Renewable Energy.

Potential topics include but are not limited to the following:

- ▶ Building solar system
- ▶ Ground source heat pump (GSHP) with/without PCMs as backfills
- ▶ Underground thermal energy storage (UTES)
- ▶ Thermal energy storage (TES) system in building energy
- ▶ Thermal management system with PCMs for building solar system
- ▶ PCMs for energy storage and conversion in buildings: preparation, characterization, and thermal enhancement
- ▶ Energy saving in building energy system
- ▶ Thermal utilization of solar energy
- ▶ Renewable energy utilization technology in building energy conservation

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/je/mechanical.engineering/scbr/>.

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