

Special Issue on Solar Thermal Engineering

CALL FOR PAPERS

Regarding the importance of solar energy as the main sustainable resource among all renewable resources, it is interesting to work on more research in this subject to develop and commercialize the conversion of this clean energy. The special issue is aimed at gathering the new scientific research findings in the field of solar thermal energy conversion. We are planning a complete issue to have high quality works of solar energy for presenting the frontiers of knowledge in the related area.

The special issue welcomes manuscripts presenting information not previously published in journals on the thermal aspect of solar energy. The issue covers all new research articles about solar radiation and solar thermal energy systems. The manuscripts as experimental, theoretical, modeling, optimization, and review ones on the subject of solar energy are welcome. The aim is focused on the thermal conversion aspects of solar energy. So, the conversion systems including flat collecting and concentrating systems are gathered in this issue.

Submitted manuscripts may take the form of reports of original studies as well as reviews of significant prior work in a given area. All manuscripts are subject to reviews to assure accuracy, clarity, and long-term value.

Potential topics include but are not limited to the following:

- ▶ Solar radiation
- ▶ Potential and feasibility study
- ▶ Flat and evacuated tube collectors
- ▶ Trough and Fresnel collectors
- ▶ Solar stirling systems
- ▶ Heliostat fields
- ▶ Solar chimney
- ▶ Solar desalination
- ▶ Nanofluid in solar thermal systems
- ▶ Green buildings
- ▶ Passive solar systems
- ▶ Solar biomimetics
- ▶ Optimization in solar thermal conversion
- ▶ Economic aspects of solar power plants
- ▶ Solar CHP
- ▶ Storage with PCM
- ▶ Hybrid of renewable energies with solar
- ▶ Hybrid of fossil fuel power plants with solar
- ▶ Solar ponds
- ▶ Photovoltaic thermal technology

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Manuscript Due

Friday, 10 February 2017

First Round of Reviews

Friday, 5 May 2017

Publication Date

Friday, 30 June 2017