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Solar Thermal Heat and Power Technology: Developments and Applications

Guest Editors:

Prof. Dr. Maurizio De Lucia

Dr. Walter Gaggioli

Dr. Francesco Rovense

Deadline for manuscript submissions:
closed (20 September 2024)

Message from the Guest Editors

We cordially invite authors to submit original articles, including but not limited to:

- **Technological Innovations:** New developments in materials, designs, and configurations of solar thermal systems that enhance efficiency, reduce costs, and overcome existing limitations.
- **Integration Analysis:** Studies on how solar thermal technologies can be successfully integrated into existing energy systems, including urban heating networks, industrial processes, and power plants.
- **Innovative Applications:** Exploration of new application areas for solar thermal heat and power.
- **Simulation and Modelling:** Innovative approaches in modelling and simulation of solar thermal systems to optimize design and predict performance under various climatic and usage scenarios.
- **Economic and Environmental Analysis**: Life cycle and social assessments, cost analysis, and studies on the environmental impact of solar thermal technologies, highlighting their potential for greenhouse gas emission reduction and contribution to energy sustainability.
- **Policy and Incentives:** Discussions on policies, regulatory frameworks, and incentives that can promote or hinder the adoption of solar thermal technologies globally.

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Message from the Editor-in-Chief

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