Special Issue

Heat Transfer in Energy Conversion Systems

Message from the Guest Editors

The purpose of this Special Issue is to collect interesting and original studies demonstrating the importance of heat transfer phenomena in modern energy conversion systems in order to improve their related conversion efficiency, design and operation techniques. Given the importance of verification and validation issues for numerical codes, contributions dealing with both numerical approaches and combined numerical–experimental approaches are appreciated and invited. Papers that analyze aspects related to heat transfer, that are useful for increasing the knowledge of energy conversion systems, on the basis of one or more of the following topics, are also welcome:

- Energy sources and energy conversion systems;
- Thermodynamic and thermo-economic analysis of energy systems;
- Technologies for renewable energy sources;
- Heating and air conditioning systems;
- Solar thermal and photovoltaic;
- Cogeneration;
- Energy saving;
- Geothermal energy-based systems;
- Waste-to-energy systems;
- Fuel cells;
- Heat exchangers/heat pipes;
- Heat transfer in porous media;
- Heat transfer in indoor environments;
- Internal flow and heat transfer;
- Multi-phase flows.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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