Special Issue

Heat Transfer Measurement and Modeling

Message from the Guest Editors

Heat transfer plays a crucial role in almost every application for energy conversion and management, including HVAC, refrigeration, energy storage, chemical processing, and power generation. The improved heat transfer measurement and modeling will undoubtedly enable the innovation in energy efficiency technologies and facilitate the decarbonization. This special issue aims to highlight recent advances in heat transfer measurement and modeling. Prospective papers may develop or employ new techniques to measure or model heat transfer processes including (but not limited to) conduction, single-phase forced convection, natural convection, evaporation, condensation, boiling, solidification, melting, and radiation. New insights on experimental design, instrumentation, and uncertainty analysis are extremely welcome. The application of emerging computational methods like machine learning, lattice Boltzmann methods, and molecular simulation in heat transfer modeling are also of the interest. Both review and original research papers are welcome. All manuscripts will be peer reviewed.

Guest Editors

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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.

Editor-in-Chief

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