



## Heat Transfer Measurement and Modeling

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submissions:

**closed (20 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

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.





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## Message from the Editor-in-Chief

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