

## Special Issue

# Investigations of Heat Transfer with Estimation of Temperature Uncertainty Measurements

### Message from the Guest Editor

The transfer of large heat fluxes is one of the most significant issues with modern technology. In recent years, the range of applications for heat transfer has broadened considerably, including new systems.

Theoretical analyses, experimental measurements, and practical applications have been performed to help us understand heat and mass transfer phenomena. The results of these studies provide us with information about the design of cooling systems for cooling, thermostabilization, and thermoregulation. Moreover, it should be underlined that statistical data on temperature measurements are needed to ensure that heat transfer results based on experiments are reliable. Topics of interest include:

- Heat and mass transfer problems also with change of phase;
- Heat transfer enhancement;
- Multiphase flow;
- Unsteady flow and instabilities;
- Methods for identifying two-phase flow structures;
- Computational methods for solving heat and mass transfer problems;
- Prediction of correlations between heat transfer and pressure drops;
- Practical applications.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2025)



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