

## Special Issue

# Phase Changed Heat Transfer Mechanisms for Variable Gravity in Aerospace Applications

### Message from the Guest Editors

In this Special Issue, we want to report on the boiling, condensation, melting, and solidification phase change heat transfer mechanisms under shifting gravity conditions, including heat transfer characteristics under microgravity, bubble dynamics, two-phase flow pattern and pressure drop, variable gravity phase change heat transfer prediction model, and numerical simulation technology. Keywords:

- variable gravity
- microgravity
- thermal management
- boiling and condensation
- melting and solidification
- heat transfer enhancement
- bubble dynamics
- numerical simulation
- boiling prediction model
- two-phase flow pattern
- gravitational effect
- multiphase flow

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### Deadline for manuscript submissions

closed (31 March 2025)



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