

## Special Issue

# Enhanced Two-Phase Heat Transfer

### Message from the Guest Editors

With the constant progress in the development of systems requiring efficient cooling for safe operation, heat dissipation techniques also need to be improved to cope with increased thermal loads and heat fluxes. While natural and forced convection might have been the norm in the past, modern applications typically require more intense cooling solutions with heat transfer coefficients several orders of magnitudes above those achievable with single-phase processes. Consequently, two-phase heat transfer, relying on the utilization of the latent heat of vaporization, is currently being intensely researched to both increase the cooling capabilities and further our basic understanding of the associated phenomena. This Special Issue is aimed at exploring the topic of enhanced two-phase heat transfer and publishing the latest knowledge regarding the methods applicable to achieve heat transfer intensification. All papers dealing with the enhancement of heat transfer parameters in processes where two-phase heat transfer takes place will be considered.

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### Deadline for manuscript submissions

closed (31 December 2023)



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