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Modern Trends in Multi-Phase Flow and Heat Transfer

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Deadline for manuscript submissions: closed (31 May 2024)

Message from the Guest Editors

In this Special Issue, manuscripts on experimental and theoretical studies pertaining to contemporary developments in the disciplines of

- 1. Fundamental challenges, technological advancements, and problems in thermal transfer, critical heat flux, and multi-phase flow with nanofluids dynamics.
- 2. The significance of transient power spikes on the temperature transfer coefficient undergoing flow boiling throughout single micro-scale conduits.
- 3. Evaporation, Marangoni, nanofluids, and thermocapillary convection.
- 4. Drop impact on uneven or constructed, rough surfaces (i.e., flexible, textile surfaces, and porous)
- 5. Convective heat exchange in a porous thermally layer saturated with Newtonian and non-Newtonian nanofluids.
- 6. The influence of heat on thermophysical properties in sheared nanoparticle suspensions.
- 7. Advanced measurement techniques in this field.
- 8. Adhesion and Wettability of complex surfaces and/or fluids.

Specialsue



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Message from the Editor-in-Chief

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