Special Issue

Modern Trends in Multi-Phase Flow and Heat Transfer

Message from the Guest Editors

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

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

Guest Editors

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Editor-in-Chief

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