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Advances in Numerical Modeling of Multiphase Flow and Heat Transfer

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Message from the Guest Editors

Dear Colleagues,

The process performance and reliability of energy systems strongly depend on the fundamental understanding of thermal-fluid processes which has an urgent demand for highly accurate and reliable modeling methods. Multiphase flow and heat transfer widely couples various physical processes, including fluid flow, heat transfer, mass transfer, phase change, reaction, multiscale characteristics, spatio-temporal transient characteristics, interface generation and evolution, and multicomponent flow. The corresponding numerical modeling is still a great challenge and has attracted continuous research attention.

This Special Issue aims to introduce the latest development direction and outstanding advances in multiphase flow and heat transfer. Topics include but not limited to the numerical modeling of multiphase flow and heat transfer in various applications. Modeling works including model development and numerical investigations involving multiphase flow and heat transfer are all welcome for submission to this Special Issue.

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Message from the Editor-in-Chief

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