



Recent Advancements in Computational Fluid Mechanics and Heat Transfer

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on numerical methods in fluid mechanics and heat transfer, emphasizing its recent advancements and their use in many industrial and academic applications. We welcome manuscripts on new modeling techniques and innovations that address the key issues and inherent difficulties in the simulation of fluid flow and heat transfer systems.

We invite manuscripts that focus on developing the following computational techniques for simulating fluid flow and heat transfer in the aforementioned applications: conventional methods such as the finite difference method (FDM), finite volume method (FVM), finite element method (FEM), and new, attractive computational methodologies such as the lattice Boltzmann method (LBM), smoothed particle hydrodynamics (SPH), molecular dynamics, dissipative particle dynamics, etc.





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Message from the Editor-in-Chief

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