



Computational Fluid Dynamics 2020

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on computational fluid dynamics (CFD) research, with an emphasis on its recent advancements and its use in many industrial/academic applications. Papers ranging from new physical modeling and discoveries to the correct treatment of difficulties inherent in numerical modeling of fluid flow systems are invited for submission. These include but are not limited to: (i) Correct and effective models of the physical boundary conditions; (ii) mass and energy conservations; (iii) realistically treating the complicated physical phenomena; (iv) extendibility to dealing with more multiphysics phenomena, such as those in magnetohydrodynamics (MHD), electrohydrodynamics (EHD), non-Newtonian flows, phase change, nanofluidic, etc. problems; and finally, (v) the extension of aforementioned methodologies to three-dimensional modeling and massively parallel computing in order to handle the real-life problems.





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Message from the Editor-in-Chief

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