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Computational Fluid Dynamics II

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Message from the Guest Editors

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, the following areas: (i) correctly and effectively modelling physical boundary conditions; (ii) mass and energy conservation (iii) realistically treating complicated physical phenomena; (iv) extendibility to dealing with multiphysics phenomena, more magnetohydrodynamics (MHD), electrohydrodynamics (EHD), non-Newtonian flows, phase changes, nano-fluids, etc.: and (v) the extension of the aforementioned methodologies to three-dimensional modeling and massively parallel computing in order to handle real-life problems is of particular interest. This Special Issue also welcomes related novel inter-/multi-disciplinary works in the emerging area of mechanical and chemical processes and energy engineering.











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Message from the Editor-in-Chief

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