

Special Issue

Computational Fluid Dynamics 2020

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2021)



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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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