Special Issue

Engineering Applications of Computational Fluid Mechanics (CFM)

Message from the Guest Editor

We are inviting submissions exploring cutting-edge research and recent advances to this Special Issue on Engineering Applications of Computational Fluid Mechanics (CFM). The computational methodologies and simulations related to engineering applications are pertinent to this Special Issue on CFM. Hydrodynamics, turbulence flow, multiphase flow, gas dynamics, rheology, tribology, fluid-structure interaction, belong to the definition of fluid in CFM, given that computational methodologies or models play an essential role in studies in the field. Engineering applications include the most branches of engineering and science, such as mechanical, civil, chemical, aeronautical, medical, geophysical, nuclear, and oceanographic ones. CFM favor applications on energy, chemical reactors and transport processes, ocean/atmospheric pollution, biomedicine, geological disposal, performance-based fire protection, flow-accelerated corrosion, structure integrity, air/sea/land vehicles, and so on. Benchmark solutions and comprehensive paper reviews are also within the scope of this issue on CFM.

Guest Editor

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Deadline for manuscript submissions

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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