Advances in Computational Fluid Dynamics: Methods and Applications

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Message from the Guest Editors

This Special Issue intends to collect advances in methods and applications of computational fluid dynamics for the solution of problems in the sciences and engineering. The range of appropriate contributions is very broad, and includes papers on the methods and applications in all aspects of CFD, including novel numerical methods, fluid–structure interaction, engineering applications in aerospace engineering, wind engineering and hydrodynamics, and other related research fields. Novel mesh generation methods, parallel algorithms, wall-modeled and well-resolved methods, turbulent models, machine-learning algorithms in CFD, etc. are also of interest for this Special Issue.

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Special Issue

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Message from the Editor-in-Chief

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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