



Advances in Computational Fluid Dynamics

Guest Editor:

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Message from the Guest Editor

In this Special Issue, we invite papers with significant advances in computational fluid dynamics. Additionally, computational theories, techniques, and applications are welcomed. The topics of this Special Issue include, but are not limited to:

Deadline for manuscript
submissions:

closed (15 April 2024)

- Numerical scheme (including time advancing, spatial scheme, high-order scheme, etc.);
- Turbulence simulation (including RANS, LES, DNS, hybrid method);
- Aerodynamic optimization (including optimization based on steady or unsteady CFD, evolutionary algorithm or adjoint method, etc.);
- Grid technique (including structured or unstructured grid technique, automatic grid generation, grid adaption, etc.);
- Computational aeroacoustics (including aeroacoustics of direct method, hybrid method, etc.);
- Artificial intelligence in CFD (artificial intelligence technique used for turbulence modeling, grid generation, flow control, etc.);
- Parallel computation (including parallel computation based on CPU/GPU, etc.);

Industrial application of CFD (including aerospace engineering, vehicle engineering, etc.).





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Message from the Editor-in-Chief

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