Special Issue

Computational Fluid Dynamics for Aerospace and Aeronautical Applications

Message from the Guest Editors

Computational Fluid Dynamics (CFD) is a pivotal tool in aerospace and aeronautical applications, offering insights into fluid flow behaviors and enabling the optimization of designs across various disciplines. This Special Issue highlights the innovative use of CFD in addressing complex problems, e.g., new findings in aeronautic and aerospace engineering. This Special Issue aims to explore the diverse aerospace and aeronautical Applications of CFD, emphasizing its role in enhancing performance, optimizing designs, and fostering innovation in engineering fields. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- CFD methodology;
- Flow pattern analysis
- Fluid–Structure Interactions;
- CFD-based optimization;
- AI in CFD;
- CFD applications in aeronautical engineering;
- CFD applications in aerospace engineering.

Guest Editors

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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.

Editor-in-Chief

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