



Advances and Applications of CFD (Computational Fluid Dynamics)

Guest Editor:

Prof. Dr. Joon Ahn

School of Mechanical
Engineering, Kookmin University,
77 Jeongneung-ro, Seongbuk-gu,
Seoul 02707, Republic of Korea

Deadline for manuscript
submissions:

10 August 2024

Message from the Guest Editor

Dear Colleagues,

Computational fluid dynamics (CFD) has been applied to various fluid dynamics fields over the past 50 years. In the meantime, great progress has been made in hardware and analysis techniques, and many useful results are emerging in a wider range of applications. In this Special Issue, we would like to collect new techniques of CFD and application cases in various industries and academic fields. It is expected that various advances and applications of CFD, such as phase change, fluid–structure coupling analysis, combustion, and data driven engineering, will be published.

Prof. Dr. Joon Ahn

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)