

Special Issue

Numerical Methods and Machine Learning Techniques for Complex Flows

Message from the Guest Editors

This Special Issue on “Numerical Methods and Machine Learning Techniques for Complex Flows” is intended to gather new developments in the numerical solution of the equations governing complex flows. These numerical methods can range from classical computational fluid dynamics to machine learning techniques. All researchers working in these areas are encouraged to submit their work. All submissions will be subject to a rapid and thorough review. Some topics include but are not limited to:

Newtonian fluids
non-Newtonian fluids
rheology
numerical methods
finite element method
finite differences method
finite volume method
spectral methods
computational fluid dynamics
machine learning in fluid flows
simulation
modeling
constitutive equations
analysis

Guest Editors

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Deadline for manuscript submissions

closed (10 February 2025)



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About the Journal

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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