

Special Issue

Advances in Numerical Methods for Computational Fluid Dynamics With Open-Source Software

Message from the Guest Editors

Challenges in engineering design and prototyping are routinely tackled using numerical simulations and physical testing. Following the increasing complexity of modern engineering systems, numerical simulations are becoming multidisciplinary in nature on a large scale. Advanced scientific computing and computational fluid dynamics (CFD) may fundamentally change our present approach to engineering simulations relevant to broad areas of fluid mechanics, transport phenomena and energy systems. The main goal of this Special Issue is to bring together developers and users of open-source CFD codes, to share their experience in the development and validation of algorithms and computational methodologies for the simulation of complex engineering problems belonging to the fields of aeronautics and aerospace, green technology, transportation, and engineering design.

Guest Editors

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