Special Issue

Applications in Computational Fluid Dynamics

Message from the Guest Editors

Computational Fluid Dynamics (CFD), as opposed to experiments, has the advantages of being relatively inexpensive and flexible to make adjustments in experimental setup. This makes CFD an ever more appealing tool in engineering application and design. The drawback of CFD is the potential lack of reliability, making expensive experimental testing necessary to verify results. Many CFD tools have been researched, developed, and tested in recent decades, making their results ever more reliable. In this Special Issue, CFD in various applications will be utilized to further expand the foundation of using CFD as a tool in engineering application and design. Those engineering applications may range from large scale slush flow barrier design to microfluidic devices and beyond.

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