



CFD Analysis of Nuclear Engineering

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Message from the Guest Editors

Dear Colleagues,

The method known as ‘computational fluid dynamics’ (CFD) constitutes a crucial tool for developing diverse engineering applications, predominantly nuclear iterations.

In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in CFD, including development, current status, and challenges for nuclear application. We particularly welcome research that develops new methods in CFD for high-fidelity results and the utilization of CFD in designing separate and integral effects experiments for validation. Potential submission topics include CFD single- and multi-phase simulation, open-source CFD code development and application, and porous medium model application. Discussion of multiphysics modeling using coupled CFD tools with MCNP, RELAP5, and more for conducting coupled neutronics, thermal hydraulics, and thermal–structural analysis is also welcome.

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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.

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