



CFD Applications in Energy Engineering Research and Simulation

Guest Editor:

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Message from the Guest Editor

Computational fluid dynamics (CFD) has been firmly established as a fundamental discipline to advancing research on energy engineering. The major progresses achieved during the last two decades both on software modeling capabilities and hardware computing power have resulted in a considerable and wide spread of CFD interest among scientist and engineers. Numerical modeling and simulation developments are increasingly contributing to the current state of the art in many energy engineering aspects, such as power generation, combustion, wind energy, concentrated solar power, hydro power, gas and steam turbines, fuel cells, and many others.

This Special Issue on “CFD Applications in Energy Engineering Research and Simulation” aims at providing the latest significant advances in the applications of computational fluid dynamics in energy engineering. Topics include but are not limited to:

- CFD fundamentals;
- CFD applications in power generation;
- CFD applications in renewable energies; and
- CFD applications in combustion, heat transfer, and rotating machinery.





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Message from the Editor-in-Chief

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