



## Computational Fluid Dynamics of Heat Transfer and Applications

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### Message from the Guest Editor

Understanding and predicting heat transfer has long been a subject of research due to its comprehensive relevance in engineering and scientific applications, such as geothermal energy extraction, heat exchangers and electronic cooling instruments, chemical catalytic reactors, pollution transport, and mineral processing. Over the past several decades, considerable investigations and applications have been devoted to this area by many researchers using various computational fluid dynamics (CFD) methods (e.g., finite difference method, finite element method, finite volume method, and lattice Boltzmann method).

This Special Issue will focus on numerical simulation and applied research in heat transfer using CFD methods. Papers are invited in all different areas of numerical heat transfer, as numerical heat transfer is a multidisciplinary topic involving research areas such as electromagnetism, mechanical design, thermal management, and material issues, as well as economic and environmental aspects. We look forward to receiving your contributions.





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## Message from the Editor-in-Chief

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