



Advances in Numerical Analysis of Heat Transfer and Fluid Flow

Guest Editors:

Prof. Dr. Tomislav Mrakovčić
Faculty of Engineering, University
of Rijeka, 51000 Rijeka, Croatia

Prof. Dr. Paolo Blecich
Faculty of Engineering, University
of Rijeka, 51000 Rijeka, Croatia

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Message from the Guest Editors

Numerical analysis developed into a crucial tool for the understanding of heat transfer and fluid flow properties in various engineering applications. This topic encompasses computational approaches, numerical tools and methods for the heat and mass transfer problems, single- and multi-phase fluid flow, nanofluidics, and phase change phenomena. The goal is to develop reliable and experimentally validated numerical approaches that can be used for the optimization of the thermal-hydraulic performance of heat exchangers, heat pumps, turbomachinery, HVAC&R components, renewable energy systems, internal combustion engines, and energy conversion.

This Special Issue is open to original research articles using computational approaches, numerical tools and methods for the investigation of heat transfer and fluid flow in engineering applications. Review articles about the latest developments and research efforts in this field are also welcome.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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Processes Editorial Office
MDPI, St. Alban-Anlage 66
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