



Heat Transfer Principles and Applications

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Message from the Guest Editors

Heat transfer phenomena take place in many natural and industrial applications and at different scales. Our understanding of the underlying physics behind heat transfer phenomena in different applications is very important to enrich our overall scientific knowledge.

This Special Issue focus on heat transfer theoretical and applied research including, but not limited to, analytical developments, advanced computational modeling and simulations, and experimental measurements techniques.

This Special Issue focuses on heat transfer in engineering applications including, but not limited to: solar collectors, advanced multiphase, porous and phase-change materials for enhanced heat transfer, advanced cooling of electronic equipment, advanced cooling of nuclear reactors, multidisciplinary design and optimization of heat transfer equipment and thermal systems, urban and district heating, cooling of subways and transportation systems, advanced cooling of electric batteries and electric motors, coupled heat and mass transfer in reactive flows, design and optimization of multifunctional heat exchangers, reactors and mixers, energy conservation in buildings, thermal energy storage.





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Message from the Editor-in-Chief

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