



symmetry

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Symmetry/Asymmetry in Thermal Management

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Message from the Guest Editors

Dear Colleagues,

The escalating demands for thermal management technologies, driven by their indispensable role in various sectors, have led to significant environmental concerns, primarily due to the extensive consumption of electricity and water resources. Consequently, various symmetric/asymmetric technologies are being proposed to improve thermal management performances, addressing the consequential environmental challenges.

We are seeking cutting-edge research that addresses the pressing challenges in thermal management. Your work has the potential to make a significant impact, whether through novel passive cooling techniques that leverage advanced materials and designs, innovative active cooling solutions that enhance heat transfer efficiency by symmetric/asymmetric flow, or breakthroughs in predictive modeling and simulation approaches.

Our focus is on the cutting-edge methodologies, materials, symmetric/asymmetric designs, and technologies driving the future of thermal management across various sectors, including electronics, aerospace, automotive, and renewable energy systems...



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Special Issue



Editor-in-Chief

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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