



Application of Symmetry in Heat Transfer

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Symmetry is one of the most significant concepts in industrial thermo-fluid engineering. This idea is used in many thermal, hydraulic, and heat transfer applications, most of which are in the industrial field.

The development of theoretical as well as applied fundamental research in industrial heat transfer, such as heat exchangers, combustion, and the thermal analysis of equipment by experimental, numerical simulation, and analytical methods is welcome. Contributions are encouraged to include original research on heat transfer in equipment, thermal systems, thermodynamic processes, nanotechnology, biotechnology, energy analysis, and related topics.

This Special Issue will cover a wide range of thermo-fluid processes in heat transfer applications, providing a guideline for academics and industries. This will present novel examples of heat transfer applications, which will provide a valuable resource for academics and engineers undertaking research in industrial...





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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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