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Heat Transfer and Fluid Flow in Micromachines

Guest Editors:

Dr. Jinyuan Qian

Dr. Zan Wu

Prof. Dr. Junhui Zhang

Prof. Dr. Bengt Sunden

Deadline for manuscript submissions:

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Message from the Guest Editors

With the advances in manufacturing technology, more and more micromachines have been successfully developed, such as microchannel, micro mixer, micro pump, micro reactor, micro valve, microfluidics, and MEMS. In recent years, micromachine applications have also experienced rapid development in many industries. In micromachines, due to the large surface-to-volume ratio, heat transfer and fluid flow characteristics inside have obvious differences, compared with those at normal size, e.g., different cavitation phenomena, different boiling, and condensation Thus, heat transfer and fluid flow characteristics characteristics in micromachines have been attracting many researchers, with the purpose of innovative heat transfer enhancement and smart fluid control flow. Many new innovative findings and enabling technologies have appeared. Accordingly, it is important to collect and present these recent advances. This Special Issue on "Heat Transfer and Fluid Flow in Micromachines", welcomes review articles and original research papers, fundamental or applied, theoretical, numerical, or experimental, on heat transfer and fluid flow in micromachines













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Editor-in-Chief

Message from the Editor-in-Chief

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