



Advanced Heat and Mass Transfer Techniques in Power and Energy Systems

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Message from the Guest Editors

Heat and mass transfer is a key process in energy systems, especially more recently developed energy systems, such as solar energy systems, compact nuclear power systems, energy storage systems, biomass energy utilization systems, new energy vehicles, advanced aerospace engines, etc. The heat and mass transfer process functions in extreme working conditions, and it is coupled with multiphysical fields and various design-based demands. Many advanced heat and mass transfer techniques, such as micro/nanoscale heat and mass transfer, supercritical flow heat transfer, compact heat exchanger, electromagnetic coupling heat and mass transfer, multi-objective design, etc., will be developed and investigated in this Special Issue.

This Special Issue aims to enable the exchange in research data and ideas related to heat transfer-related subjects. Potential topics of interest include, but are not limited to, the following subjects: Convection heat transfer; Radiation heat transfer; Heat conduction; Condensation, boiling, and evaporation; The development of numerical models; Enhanced heat transfer technique; Micro/nanoscale heat and mass transfer, etc.





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Message from the Editor-in-Chief

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