Advances in Numerical Heat Transfer and Computational Flow Analysis

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Numerical prediction of heat and mass transfer and computational fluid dynamics are progressing with significant speed. With easily available computation power and easier mesh development, numerical prediction and thermal analysis have become must-haves in component designs. This Special Issue of *Energies* will address recent developments in techniques and observations related to numerical thermal analysis. The following topics are of interest for this Special Issue:

- Thermal and flow optimization for process improvement and resource utilization;
- Heat transfer and fluid flow in adaptive porous media;
- Heat and mass transfer in electrochemical devices;
- Numerical modeling in cryogenics;
- Numerical models in multiphase systems;
- Supersonic combustion;
- Hypersonic propulsion.

Prof. Dr. Sandip Dutta
Guest Editor

Special Issue

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Message from the Editor-in-Chief

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