Special Issue

Advances in Numerical Heat Transfer and Computational Flow Analysis

Message from the Guest Editor

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.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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