Special Issue

Research on Heat Transfer Processes: Numerical Simulation and Intensification

Message from the Guest Editors

The focus of this Special Issue “Research on Heat Transfer Processes: Numerical Simulation and Intensification” is to explore innovative and intensified methods of heat transfer, with a particular emphasis on numerical simulations that push the boundaries of current technologies and methodologies. Contributions may range from experimental studies to advanced simulations, covering a wide array of applications, including, but not limited to, renewable energy, chemical processing, thermal management systems, etc., as detailed below:

- Heat transfer and thermal power;
- Thermal science and energy systems;
- Thermal system design;
- Thermodynamics and combustion engineering;
- Refrigeration and air conditioning;
- Thermal turbomachines;
- Heat exchangers and heat pipes;
- Space vehicle heat transfer;
- Combustion chamber heat transfer;
- Multiphase heat transfer systems;
- Battery cooling systems;
- Electronic cooling systems;
- Heat energy conversion and recovery;
- Solar thermal systems;
- Thermal enhancement techniques.

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Editor-in-Chief

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