Special Issue

Advances in Thermal Management and Heat Transfer

Message from the Guest Editor

Thermal management has become quite challenging in recent years, such as in the fields of electronics, vehicle and data centers, etc., and many leading-edge techniques have been developed for requirements associated with it, such as high heat flux density, high compactness, and light weight. Micro-/nanoscale heat transfer provides potential solutions to advanced thermal management technologies (microchannel, heat pipe, cold plate and vacuum chamber, etc.). Moreover, the innovative materials and related processing technology are also interesting topics for thermal management and heat transfer researchers. This Special Issue will deal with micro-/nanoscale heat transfer and innovative materials for thermal management technologies. Topics of interest for publication include but are not limited to:

- Conductive heat transfer in confined structure;
- Multiphase flow and heat transfer;
- Enhanced heat transfer with phase change;
- Thermal interface material;
- 1D/2D material in thermal design;
- Thermal management modelling, analysis, and strategy;
- Low-carbon thermal management.

Guest Editor

Dr. Zhenyu Liu
School of Mechanical Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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