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## Advanced Thermal Management and Cooling Technologies

Guest Editors:

**Prof. Dr. Wenxiao Chu**

Key Laboratory of Thermo-Fluid Science and Engineering (Ministry of Education), Xi'an Jiaotong University, Xi'an 710049, China

**Dr. Lizhong Yang**

Surbana Jurong-NTU Corporate Lab, Nanyang Technological University, Singapore 637335, Singapore

**Prof. Dr. Qiuwang Wang**

Key Laboratory of Thermo-Fluid Science and Engineering (Ministry of Education), Xi'an Jiaotong University, Xi'an 710049, China

Deadline for manuscript submissions:

**closed (25 January 2023)**

### Message from the Guest Editors

Dear Colleagues,

In modern society, industrial development and social progress cannot be separated from the advances in highly integrated equipment. The overheating concern is regarded as the predominant reason for equipment failure, which accounts for nearly a 55% proportion of the system suspension. Effective thermal management and cooling technologies are crucial for the operation of components in high-accuracy and high-reliability states. This Special Issue aims to present and disseminate the most recent advances in a wide range of fields related to the theory, mechanisms, design, modelling, application and control of thermal management and cooling technologies. Topics of interest for publication include, but are not limited to:

- Effective thermal management and cooling technologies for batteries, 3D printers, IGBT, LEDs, motors, fiber optics;
- High-efficiency thermal protection;
- Passive cooling strategies and active cooling strategies;
- Phase-change cooling;
- Energy saving in buildings and HVAC systems;
- Thermal management of nuclear energy;
- Heat and mass transfer enhancement;
- CFD simulation and prediction.



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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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*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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