Special Issue

Cooling/Heat Transfer

Message from the Guest Editor

Our understanding on cooling and heat transfer technology have been continuously improved during the decades. With the development of advanced measurement techniques, experimental research is facing new opportunities and challenges on improving accuracy and resolution, enhancing accessibility, boundary condition control, and proper lab scaling method, etc. With the increasing computing power, CFD research now is dealing with new challenges in developing more efficient methods, resolving multiscale problems, unsteady phenomenon, and fluid-solid conjugation issues. Meanwhile, further improvements and new thermal management technologies may become more feasible with the recent developments in materials, manufacturing technology, systems integration and controls. The Special Issue welcoming papers on:

- Update of fundamental heat transfer theory
- New internal & external cooling design concepts
- Experimental methods & uncertainty improvement
- High fidelity CFD in cooling / heat transfer
- Conjugate heat transfer experiments & CFD validation

Guest Editor

Dr. Qiang Zhang

School of Mathematics, Computer Science & Engineering, Department of Mechanical Engineering & Aeronautics, City, University of London, Northampton Square, London EC1V 0HB, UK

Deadline for manuscript submissions

closed (31 December 2018)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/12852

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

mdpi.com/journal/aerospace

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/journal/aerospace

MDPI

About the Journal

Message from the Editor-in-Chief

You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2 (Aerospace Engineering)