

Special Issue

Advanced Numerical Simulation Methods of Aerodynamics and Heat Transfer

Message from the Guest Editors

In the field of aerospace engineering, the numerical simulation technology of the flow over the aircraft and the heat and mass transfer inside the engine is a research hotspot. According to the current research situation, we still need to make breakthroughs in key areas such as aerodynamic shape design, high-speed aerodynamics, heat and mass transfer, physical model, high-precision scheme, and flow instability, energy management, etc. Therefore, we have set up a Special Issue to collect contributions from these fields.

Guest Editors

Dr. Hui Wang

School of Aeronautics, Northwestern Polytechnical University, Xi'an 710072, China

Dr. Jiakuan Xu

Department of Flight Vehicle Design and Engineering, School of Aeronautics, Northwestern Polytechnical University, Xi'an 710072, China

Deadline for manuscript submissions

closed (31 May 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/124050

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)