



Aerostructural Analysis, Design, and Optimization

Guest Editors:

Dr. Haichao An

School of Aerospace Engineering,
Beijing Institute of Technology,
Beijing 100081, China

Dr. Baoshou Zhang

School of Aerospace Engineering,
Beijing Institute of Technology,
Beijing 100081, China

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

The Special Issue aims to present recent advanced models and methods on aero-structure analysis, design, and optimization, in order to develop applications in drag minimization, weight minimization, and structural safety. The topics of interest for the Special Issue include, but are not limited to:

- High-fidelity and/or multi-fidelity aerostructural analysis model;
- Geometric parameterization in aerostructural analysis;
- Aerostructural coupling analysis method;
- Sensitivity analysis for aerostructural optimization;
- Global and efficient optimization method for aerostructural design;
- Machine learning in aerostructural optimization;
- Aerostructural optimization under uncertainty;
- Geometry, layout, and sizing optimization in aerostructural design;
- Aerostructural optimization with composite structures;
- Flow-induced vibration control of aircraft;
- Fluid–structure interaction (FSI) analysis.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Konstantinos Kontis

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

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.

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*, and other databases.

Journal Rank: JCR - Q1 (*Engineering, Aerospace*) / CiteScore - Q2 (*Aerospace Engineering*)

Contact Us

Aerospace Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/aerospace
aerospace@mdpi.com
[X@Aerospace_MDPI](https://twitter.com/Aerospace_MDPI)