

Special Issue

Control and Optimization Problems in Aerospace Engineering

Message from the Guest Editors

This Special Issue focuses on topics related to the use of mathematical control techniques to solve some typical problems of the aerospace industry. To set a thematic focus beyond the areas of application, we are specifically looking for contributions on: - Structural mechanics control problems

- Propulsion systems control problems
 - Flight mechanics control problems
 - Space flight control problems
 - Vibration suppression
 - Passive control
 - Active dynamic control
 - Smart materials for control applications
 - Thermal efficiency
 - Acoustic transmission optimization
 - Jet engine control
 - Transmission control
 - Combustion efficiency
 - Aeroelastic coupling problem
 - Re-entry orbit problem
 - Transfer orbit problem
- Moreover, the focal topics listed above are not meant to exclude articles from additional areas. Similarly, we do not intend to limit the Special Issue's focus to control problems only but aim to also include studies on optimization relevant applications in the aerospace sector.

Guest Editors

Prof. Dr. Stefano Valvano

Faculty of Engineering and Architecture, Kore University of Enna, 94100 Enna, Italy

Dr. Andrea Ferrero

Department of Mechanical and Aerospace Engineering, Politecnico di Torino, 10129 Torino, Italy

Deadline for manuscript submissions

closed (1 December 2020)



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/30039

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

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





Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



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



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)