Special Issue

Intelligent Perception, Decision and Autonomous Control in Aerospace

Message from the Guest Editors

In recent years, the growing congestion of orbital space has posed a significant challenge to the safe operation of spacecraft. With the increasing complexity of space missions, it is essential to develop intelligent perception, autonomous decision-making, and advanced control strategies that enable spacecraft to navigate with precision and adapt to unpredictable environments without constant human intervention. The integration of machine learning, reinforcement learning, and evolutionary computation into spacecraft systems has thus become a focal point of research.

Guest Editors

Prof. Dr. Jianbin Qiu

Prof. Dr. Chanying Li

Prof. Dr. Jose de Jesus Rubio

Deadline for manuscript submissions

closed (30 June 2025)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/223302

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)