

Special Issue

Flight Simulation and Aircraft Autonomy

Message from the Guest Editor

This Special Issue aims to collect publications on innovative research on the following topics, with a special focus on the autonomy technologies of aircraft.

- Software-in-the-loop simulation
- Hardware-in-the-loop simulation
- Improving accuracy of FS
 - Construction and validation of simulation database (look-up-tables)
 - Calibration of simulation models using experimental data
 - Artificial intelligence and machine learning for FS
- Simulation methods for novel types of aircraft and systems
 - eVTOL
 - Hydrogen powered aircraft
 - Distributed electric propulsion
 - Others
- Simulation validation methods
- Advanced flight control algorithms
- Aircraft autonomy
 - Path and mission planning
 - UAV swarm
 - Situational awareness and decision making
 - Obstacle detection and avoidance
 - Artificial intelligence and machine learning
- Applications of FS
 - Digital twin systems
 - Virtual certification
 - Pilot training
 - Traffic management

Guest Editor

Prof. Dr. Maxim Tyan

Konkuk Aerospace Design-Airworthiness Institute (KADA), Konkuk University, Seoul 05029, Republic of Korea

Deadline for manuscript submissions

closed (20 January 2023)



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/105210

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)