

## Special Issue

# Advances in Air Traffic and Airspace Control and Management

### Message from the Guest Editor

This Special Issue aims to bring together innovative contributions that address all tasks related to Air Traffic and Airspace Control and Management. Therefore, we welcome original research articles and reviews related to all fields of the topic included the following:

- Trajectory prediction and management;
- Trajectory optimisation, guidance and control;
- Air traffic control fundamentals;
- Capacity, delay and demand management;
- Resource planning and optimisation;
- Data science, complexity and machine learning in Air Traffic Management (ATM);
- Network and strategic flow optimisation;
- Surveillance and navigation;
- Airspace design;
- Air traffic operations;
- Conflict detection and resolution models;
- Airport planning, management and operations;
- Economics, finance and policy;
- Performance measurement in Air Traffic Management (ATM);
- Safety, resilience and security;
- Environmental impact analysis and mitigation;
- Weather in Air Traffic Management (ATM);
- Sustainability in Air Traffic Management (ATM);
- Human factors;
- UAS/RPAS integration and operation;
- Unmanned aircraft system Traffic Management (UTM);
- The impact of COVID-19 on management and operations.

### Guest Editor

Prof. Dr. Álvaro Rodríguez-Sanz

Aerospace Systems, Air Transport and Airports, Universidad Politécnica de Madrid (UPM), 28040 Madrid, Spain

### Deadline for manuscript submissions

closed (20 May 2023)



## Aerospace

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.0



[mdpi.com/si/116278](https://mdpi.com/si/116278)

*Aerospace*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[aerospace@mdpi.com](mailto: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)