



Advanced Air Mobility

Guest Editors:

Prof. Dr. Gokhan Inalhan

School of Aerospace, Transport and Manufacturing, Cranfield University, Cranfield MK43 0AL, UK

Dr. Yan Xu

School of Aerospace, Transport and Manufacturing, Cranfield University, Cranfield MK43 0AL, UK

Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

The seamless integration of unmanned traffic management (UTM) and air traffic management (ATM) is critical to fully unlocking the potential benefits of unmanned aerial systems (UAS) applications. Alongside the integration of UTM with the ATM system, an emerging Urban Air Mobility (UAM) focusing on passenger or cargo-carrying air transportation using specific corridors within an urban environment aims to further expand such integration towards the concept of Advanced Air Mobility.

The Special Issue addresses the broad topics related to Advanced Air Mobility and welcomes papers dealing with, but not limited to:

- Airspace type and structure
- Advanced AAM services
- Separation and conflict management
- Integration with UTM/U-space and ATM
- AAM vehicle advances
- Vertiport operations
- Contingency management
- AAM Fleet management
- AAM Modelling and simulation
- AI/ML applications in AAM
- CNS technologies
- Autonomy and AI for AAM
- Safety assessment methodology
- Performance framework
- Verification and validation
- Regulations and frameworks
- Demonstration





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
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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