

Special Issue

Unmanned Aerial Vehicles en-Route Modelling and Control

Message from the Guest Editors

The market for unmanned aerial vehicles (UAVs), including urban air mobility (UAM), is expected to grow rapidly, garnering considerable research and significant investment worldwide. Enroute operation (e.g., in cruise or corridor) is critical to the safety, efficiency, robustness, and sustainability of UAV and UAM missions. This Special Issue intends to highlight recent technical advances to improve UAV enroute operations. Possible topics include, but are not limited to:

- UAV trajectory modeling, prediction, and optimization;
- Mission planning and management for UAV operations;
- Low altitude airspace design and management;
- Separation assurance and other safety issues related to UAV operations;
- Strategic route network design for UAV operations;
- Noise and environmental issues of UAV operations;
- Enroute traffic flow management for UAV;
- Communication, Navigation, Surveillance infrastructure for UAV operations;
- Simulation and performance evaluation for UAV operations;
- Other topics related to UAV enroute modeling and control.

Guest Editors

Prof. Dr. Keumjin Lee

Air Transport and Logistics, Korea Aerospace University, Gyeonggi-do 10540, Korea

Prof. Dr. Sang Hyun Kim

School of Air Transport, Transportation, and Logistics, Korea Aerospace University, Gyeonggi-do 10540, Korea

Deadline for manuscript submissions

closed (31 October 2022)



Aerospace

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.0



mdpi.com/si/107002

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)