



Aircraft Trajectory Design and Optimization

Guest Editor:

Dr. Alejandro Murrieta-Mendoza

Research Group for Aviation,
Centre for Applied Research on
Education, Amsterdam University
of Applied Science,
Amstelcampus, Weesperzijde
190, 1097 DZ Amsterdam, The
Netherlands

Deadline for manuscript
submissions:

closed (15 December 2019)

Message from the Guest Editor

The Special Issue addresses the broad topics related to aircraft trajectory design and welcomes papers dealing, but not limited to, (i) aircraft trajectory design, (ii) aircraft trajectory optimization, (iii) trajectories pollution computation, (iv) aircraft trajectory negotiation, (v) runaway optimization, (vi) airspace management, (vii) weather predictions and big data, (viii) trajectory options sets and rerouting, and (ix) drones and UAVs trajectories.

Keywords:

aviation; trajectory optimization; fuel burn and flight cost; pollution; air space; avoidance and collision; airborne operations; air traffic control and management; airports taxiways; NextGEN and SESARS; trajectory negotiation; 3D and 4D trajectories; re-routing; drones and UAVs

Advantages:

- Open Access: Unlimited and free access for readers
- High Visibility: indexed in ESCI (Web of Science), Scopus and Inspec (IET).
- Rapid Publication: submission to first decision: 18 days; acceptance to publication: 6.3 days





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, 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, Ei Compendex, and other databases.

Journal Rank: JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2 (Aerospace Engineering)

Contact Us

Aerospace Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/aerospace
aerospace@mdpi.com
[X@Aerospace_MDPI](#)