

Special Issue

Overall Aircraft Design for New Airframe Technologies, New Energy Systems and New Operations

Message from the Guest Editors

This Special Issue welcomes potential topics, including but not limited to:

- EVTOL aircraft design and optimization;
- Civil high-speed aircraft design and optimization;
- Aircraft design case studies on new configurations;
- Aircraft technology integration (e.g., laminar flow control, boundary layer ingestion, advanced composite materials);
- Evaluation of new energy systems for aircraft (e.g., hybrid electric propulsion, hydrogen with fuel cells);
- Assessment of operational strategies for aircraft (e.g., formation flight, trajectory optimization);
- Aviation emission reduction strategies, including case studies and reviews;
- Multidisciplinary design analysis and optimization, incorporating disciplinary methods and/or optimization strategies;
- Digital and model-based design approaches for new configurations;
- New aircraft design methods, tools, and frameworks (e.g., machine-learning-based approaches).

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2025)



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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.

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