aerospace

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

CITESCORE 3.4

Structural Airworthiness and Life Extension of Aging Aircraft

Guest Editor:

Prof. Dr. Rhys Jones
1. Department of Mechanical and Aerospace Engineering, Monash University Clayton, Clayton, VIC 3800, Australia
2. ARC Industrial Transformation Training Centre on Surface Engineering for Advanced Materials, Faculty of Science, Engineering and Technology, Swinburne University of Technology, John Street, Hawthorn, VIC 3122, Australia

Deadline for manuscript submissions:
closed (23 December 2023)

Message from the Guest Editor

Dear Colleagues,

The current approach to assessing and maintaining the airworthiness of both civil and military aircraft has evolved as a result of a number of high-profile incidents, viz: the 1954 Comet failures, the 1958 B-47 accidents, the 1969 F-111 accident, the 1988 Aloha Boeing 737 accident, etc. The Comet failures resulted in the adoption of fail-safe design; the B-47 accidents resulted in the United States Air Force Aircraft Structural Integrity Program; the F-111 failure led to the introduction of damage tolerance design requirements for military aircraft; the Aloha Boeing 737 accident highlighted the importance widespread fatigue damage and subsequently led to the FAA introducing the concept of a limit of validity (LOV).

That said, the field is still developing and maturing. As such, this Special Issue focuses the state of the art in assessing and extending the life of both civil and military fixed and rotary wing aircraft and unmanned aerial vehicles (drones and loyal wingman aircraft).

aerospace

IMPACT FACTOR 2.1

CITESCORE 3.4

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 - 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