

## Special Issue

# Advancements in Structural Analysis and Design for Aircraft Safety

### Message from the Guest Editor

The special issue will cover a wide range of topics related to aircraft structural analysis and design, including static & dynamic responses, fatigue behavior and durability analysis, buckling analysis, lightweight composite materials and sandwich structures, impact/crashworthiness and damage resistance, structural health monitoring, high-fidelity numerical modelling & simulations, and design optimization. We welcome original research articles, review articles, and case studies that address recent developments and challenges in these areas.

The special issue will feature innovative approaches to structural analysis and design for aircraft airworthiness/safety, experimental and numerical investigations on the behavior of aircraft structures under different loading conditions, case studies on the application of new materials and design techniques to improve aircraft safety, and advances in structural health monitoring and non-destructive testing techniques for aircraft structures. We also welcome contributions that discuss the challenges and limitations in this field while proposing future research directions.

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### Guest Editor

Dr. Yadong Zhou

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### Deadline for manuscript submissions

closed (29 February 2024)



## Aerospace

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### Message from the Editor-in-Chief

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*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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### Editor-in-Chief

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