

## Special Issue

# Electro-Mechanical Actuators for Safety-Critical Aerospace Applications

### Message from the Guest Editor

This Special Issue is thus focused on advancements and innovations in the design, modelling/simulation, architectural definition, reliability/safety analysis, control, condition-monitoring and experimental testing of EMAs developed for safety-critical aerospace applications. We encourage the submission of research papers on the above subject, as we are strongly interested in works that could contribute to progress toward the objectives of more-electric flights.

- high-fidelity dynamic modelling
- physics-of-failure modelling
- fault-tolerant control
- fail-safe/fail-operative systems
- jamming-tolerant actuators
- hardware and analytical redundancy
- diagnostic condition-monitoring strategies
- prognostic condition-monitoring strategies
- fault-detection and isolation
- failure transient characterization
- experimental test rigs
- EMA reliability/safety analysis (FTA and FMECA)
- innovative designs

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### Guest Editor

Dr. Gianpietro Di Rito

Dipartimento di Ingegneria Civile ed Industriale, Università di Pisa, Pisa, Italy

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### Deadline for manuscript submissions

closed (5 January 2023)



## Aerospace

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## 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.

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### Editor-in-Chief

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