Special Issue

Morphing-Enabling Technologies for Aerospace Systems: 2nd Edition

Message from the Guest Editors

Following the success of the first edition, this Special Issue, 'Morphing-Enabling Technologies for Aerospace Systems: 2nd Edition', broadens its focus by addressing morphing technologies for both space and aeronautic applications across different configurations and categories. This initiative highlights innovative solutions for de-orbiting and re-entry systems of space vehicles, utilizing flexible deployment mechanisms and smart-materials-based concepts to achieve precise entry trajectories and enhanced landing accuracy through lift-to-drag modulation. Furthermore, this Special Issue will explore various aeronautic applications of rigid-body linkages and compliant mechanisms, where high reliability, accuracy, and demanding performance standards are met through multidisciplinary and multi-objective design processes. These applications range from aircraft morphing wing devices, such as morphing flaps and winglets, to adaptive systems using smart materials. This Special Issue invites original research articles and comprehensive reviews from a diverse group of professionals, including researchers, academicians, and industry experts.

Guest Editors

Dr. Ignazio Dimino

Strategic Planning and Institutional Relations, CIRA, The Italian Aerospace Research Centre, 81043 Capua, CE, Italy

Dr. Maria Chiara Noviello

Adaptive Structures Operative Unit, The Italian Aerospace Research Centre (CIRA), 81043 Capua, Italy

Deadline for manuscript submissions

31 December 2025

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/236904

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)