Special Issue

Advanced Aircraft Aerodynamics, Flight Stability, Stabilization and Control of Flying Vehicles

Message from the Guest Editor

The advent of fifth- and sixth-generation fighter aircrafts, the rapid evolution of drones and airships over the past decade, and the expansion of their applications have created a pressing need to advance related theories. These developments encompass various domains, including aerodynamics (theoretical, numerical, and experimental), control theory, flight stability, stabilization, and trajectory generation for these flying vehicles. The Special Issue "Advanced Aircraft Aerodynamics, Flight Stability, Stabilization and Control of Flying Vehicles" in the journal *Machines* is precisely dedicated to these advancements.

Guest Editor

Dr. Naoufel Azouz
Laboratory LMEE, University of Evry Paris Saclay, CEDEX, 91020 Evry, France

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

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).