

Special Issue

Advances in Aircraft Propulsion System Modelling, Design and Simulation

Message from the Guest Editors

- aeronautical engines
- aircraft aerodynamics and propulsion systems
- propulsion system design and integration
- computational fluid dynamics (CFD) simulations
- aerodynamic design and analysis
- aero-propulsive performance calculation and optimisation
- aircraft wind tunnel tests
- off-design operation
- inlet distortion
- engine–airframe interaction
- coupled-flow simulations
- turbomachinery
- optimisation
- aeroacoustics

Guest Editors

Dr. Andrea Magrini

Department of Industrial Engineering, Università degli Studi di Padova, 35131 Padova, Italy

Prof. Dr. Ernesto Benini

Department of Industrial Engineering, University of Padova, Via Venezia 1, 35131 Padova, Italy

Deadline for manuscript submissions

closed (29 February 2024)



Designs

an Open Access Journal
by MDPI

CiteScore 4.8



mdpi.com/si/125855

Designs

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

designs@mdpi.com

[mdpi.com/journal/
designs](https://mdpi.com/journal/designs)





Designs

an Open Access Journal
by MDPI

CiteScore 4.8



[mdpi.com/journal/
designs](https://mdpi.com/journal/designs)



About the Journal

Message from the Editor-in-Chief

Designs (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Joshua M. Pearce

Department of Electrical & Computer Engineering, Western University,
London, ON N6A 3K7, Canada

Author Benefits

High visibility

: indexed within Scopus, Inspec, Ei Compendex and other databases.

Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).