



Aircraft Design (SI-4/2022)

Guest Editors:

Prof. Dr. Dieter Scholz

Aircraft Design and Systems Group (AERO), Department of Automotive and Aeronautical Engineering, Hamburg University of Applied Sciences, Berliner Tor 9, 20099 Hamburg, Germany

info@ProfScholz.de

Dr. Emmanuel Bénard

Department of Aerodynamic Energetic and Propulsion, Institut Supérieur de l'Aéronautique et de l'Espace (ISAE), Université de Toulouse, 31000 Toulouse, France

emmanuel.benard@isae-supaero.fr

Prof. Egbert Torenbeek

Flight Performance and Propulsion, Delft University of Technology, Kluyverweg 1, 2629 HS Delft, The Netherlands

e.torenbeek@ziggo.nl

Deadline for manuscript submissions:

31 December 2022



mdpi.com/si/108445

Message from the Guest Editors

Dear Colleagues,

Aircraft design is, as we know, the first fascinating step in the life of an aircraft, where visions are converted into reality.

In a practical sense, aircraft design supplies the geometrical description of the aircraft. Traditionally, the output is a three-view drawing and a list of aircraft parameters. Today, the output may also be an electronic 3D model. In the case of civil aircraft, a fuselage cross-section and a cabin layout are provided in addition. In an abstract sense, aircraft design determines the design parameters to ensure that the requirements and constraints are met and design objectives are optimized.

Following the successful initial Special Issue on "Aircraft Design (SI-1/2017)" and the relaunch with "Aircraft Design (SI-2/2020)" and "Aircraft Design (SI-3/2021)", this will be the fourth SI in sequence named "Aircraft Design (SI-4/2022)". The editorial "Publishing in 'Aircraft Design' with a Continuous Open Access Special Issue" describes the history, the set up, and idea behind this SI sequence. The editorial was published on 14 Jan 2020 as <https://doi.org/10.3390/aerospace7010005>.

Activities in the past have shown that aircraft design may be a field too small to justify its own (subscription-based) journal. A continuous open access Special Issue may fill this gap. As such, the Special Issue "Aircraft Design" can be a home for all those working in the field who regret the absence of an aircraft design journal.

The Special Issue "Aircraft Design" is open to the full range of article types. It is a place to discuss the "hot topics" (zero-emission airplanes, electric flight, urban air mobility—you name it). The classic topics in aircraft design remain: Innovative aircraft concepts; Methodologies and tools for aircraft design and optimization; Reference aircraft designs and case studies with data sets.

It is up to us as authors to shape the Special Issue "Aircraft Design" according to our interests through the manuscripts we submit.

Prof. Dr. Dieter Scholz, Dr. Emmanuel Bénard, Prof. Egbert Torenbeek

Guest Editors



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