
Editorial: Innovation in aviation and space for opening new horizons

This Special Issue features selected papers presented at the 12th EASN International Conference on “Innovation in Aviation and Space to the Satisfaction of the European Citizens” (<https://easnconference.eu/2022/home>), which took place successfully from October 18 to 21, 2022 in Barcelona. The conference included eight keynote lectures delivered by distinguished personalities from the European Aviation and Space Community, along with 395 technical presentations spread across 74 virtual sessions. Notably, 85 aviation and space projects showcased their latest research findings and future trends in their respective technological domains during the conference.

The present Special Issue includes seven papers originating from presentations made at the 12th EASN Conference.

In the work of Fricke *et al.*, a detailed focus was placed on the life cycle analysis of Engine Blisks, offering comprehensive insights into their life cycle implications. Kordas *et al.* contributed by designing an experimental bench concept, aimed at testing fuselage stiffened panels using virtual testing methodologies. Andrzej Krzysiak *et al.* conducted experimental studies to analyze

airliner aerodynamic characteristics, particularly at overcritical angles of attack. The research of Zajdel *et al.* involved the initial flight test verification of both software and hardware in the loop simulations, particularly focusing on the flight stabilization system. Rodriguez-Sanz *et al.* provided empirical evaluations shedding light on airport capacity and demand, particularly highlighting insights into air traffic design hours and delay. In addition, Borodacz *et al.* concentrated on developing a GNSS denied navigation system tailored for maneuvering flying objects, outlining advancements in this niche area of navigation technology. Finally, in the case study of Goetzendorf-Grabowski *et al.*, the emphasis was on extracting valuable insights from the process of designing aerodynamic devices for UAVs, specifically highlighting the lessons learned from this design endeavor.

The editors of this Special Issue extend their appreciation to the authors for their excellent contributions and for greatly assisting in managing this Special Issue. In addition, the editors would like to express their gratitude to the AEAT editorial team for their valuable professional support.

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Aircraft Engineering and Aerospace Technology
96/1 (2024) 1
© Emerald Publishing Limited [ISSN 1748-8842]
[DOI 10.1108/AEAT-01-2024-392]

This paper forms part of a special section “Innovation in Aviation & Space for Opening New Horizons (12th EASN International Conference)”, guest edited by Spiros Pantelakis, Andreas Strohmayer and Jordi Pons Prats.