



Technologies for Future Distributed Engine Control Systems

Guest Editors:

Dr. Radosław Przysowa

Instytut Techniczny Wojsk
Lotniczych (ITWL), ul. Księcia
Bolesława 6, 01-494 Warszawa,
Poland

radoslaw.przysowa@itwl.pl

Prof. Dr. Hany Moustapha

Mechanical Engineering, École de
Technologie Supérieure (ETS),
Montréal, Quebec, Canada

Hany.Moustapha@etsmtl.ca

Deadline for manuscript
submissions:

closed (31 August 2021)

Message from the Guest Editors

Dear Colleagues,

Current trends in aviation greatly expand the use of highly integrated, increasingly autonomous air vehicles, with distributed engine control systems (DECS). Such systems allow for optimizing engine performance by enhancing propulsion control architecture. In DECS, each system element (i.e., sensors, actuators, and controllers) individually connects to the network and has multiple functions. Some of them require real-time communication for control while others may be less time critical. The weight of wiring and need for cooling are significantly reduced in the engine controlled by a DECS when compared to the traditional centralized FADEC.





aerospace



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Konstantinos Kontis

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Message from the Editor-in-Chief

You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.

Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), and many other [databases](#).

Journal Rank: [JCR](#) - Q2 (*Engineering, Aerospace*) / [CiteScore](#) - Q2 (*Aerospace Engineering*)

Contact Us

Aerospace
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/aerospace
aerospace@mdpi.com