Special Issue

Progress in Jet Engine Technology

Message from the Guest Editor

In the past decade, the need for more efficient, low-noise, and environmentally friendly propulsors has brought innovative engine concepts and configurations to the attention of researchers. Noticeable examples include ultra-high by-pass ratio turbofans in podded configurations, distributed propulsion, boundary layer ingestion engines, and hybrid turbo/electric engines. Although such configurations are characterized by non-negligible technology readiness levels, they still require huge research efforts to be validated. This Special Issue aims to provide an overview of recent advances in jet engine technology for the civil sector, with special emphasis on new design configurations and performance assessment. Authors are invited to submit full research articles and review manuscripts addressing (but not limited to) the following topics:

- Concurrent design methodologies for high-efficiency, low-noise jet engines;
- Numerical/experimental analyses of jet engines at system and component levels;
- Integrated propulsor/airframe configurations;
- Very large/ultra-high by-pass ratio engines;
- Turbo/electric engines;
- Jet engines under boundary layer ingestion;
- Open rotors.

Guest Editor

Prof. Dr. Ernesto Benini

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

Deadline for manuscript submissions

closed (30 September 2019)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/25070

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

mdpi.com/journal/aerospace

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/journal/aerospace

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

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, Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2 (Aerospace Engineering)