Special Issue

Secondary Air Systems in Gas Turbine Engines II

Message from the Guest Editor

After a successful first Special Issue, this second Special Issue invites papers that address the areas of SAS in gas turbine engines encompassing aviation, power generation, and industrial applications. Secondary air systems (SAS) play a significant role in gas turbine engines to accomplish ensure reliable operation of the whole engine. The main functions of SAS are to provide a cooling flow to engine components, to seal bearing chambers (sumps) and turbine cavities, and finally to control bearing axial loads. Being a functional discipline, SAS owns the airflow that is *not* the primary flow path, essentially. The second issue addresses novel approaches in flow network modeling, contemporary modeling, and experimental efforts in rotor–stator/rotor–rotor cavities, windage measurements and predictions, advanced flow network modeling to include transient behaviors, advanced sealing technologies, axial load control strategies, rim sealing developments, and sump pressurization aspects.

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Deadline for manuscript submissions

closed (31 May 2021)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/64277

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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.

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