



Secondary Air Systems in Gas Turbine Engines

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Deadline for manuscript
submissions:
closed (31 January 2019)

Message from the Guest Editor

Secondary Air Systems (SAS) play a significant role in gas turbine engines to accomplish reliable operation of the individual modules as well as the whole engine. Main functions of SAS are to provide cooling flow to engine components, to seal bearing chambers (sumps) and to control bearing axial loads. Being a functional discipline, SAS owns the airflow that is essentially not the primary flowpath.

This collection invites papers that address the areas of SAS in gas turbine engines encompassing aviation, power generation and industrial applications. Of interest are papers that address 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 and sealing technologies, axial load control strategies, rim sealing developments and sump pressurization aspects.

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Message from the Editor-in-Chief

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