Special Issue

Secondary Air Systems in Gas Turbines—Volume II

Message from the Guest Editors

Join us for a Special Issue of Energies on "Secondary Air Systems in Gas Turbines"! We invite your submissions to this exciting issue focused on advancing the design and utilization of secondary air systems (SAS) in gas turbines. Gas turbines are crucial for power and propulsion in various industries. To maximize efficiency and performance, turbine entry temperatures exceed engine component limits. This necessitates the use of bleed air for turbine cooling, facilitated by the intricate secondary air system (SAS). Optimizing the SAS is key to competitive engine design and engine life. Inefficient bleed air usage impacts performance, while insufficient cooling affects longevity. This Special Issue aims to explore the latest advancements in SAS design. We welcome original research papers, reviews, and case studies on topics such as:

- Novel SAS configurations and optimization techniques
- Advanced cooling methods and materials for SAS components
- Efficiency enhancement strategies for SAS utilization
- Simulation and modeling of SAS performance
- Experimental investigations on SAS design and performance
- Reliability and maintenance considerations for SAS

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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