Special Issue

Advances in Gas-Turbine Heat-Transfer Cooling Systems

Message from the Guest Editor

Turbomachine devices are present in almost every industry, ranging from small air compressors sitting in a plant to jet engines in an aircraft carrying hundreds of passengers and goods. Specifically, research advancements in gas turbines and cooling systems topics are crucial to advancing knowledge in fundamental engineering fields with broad applications in power generation, aerospace, and automotive industries in order to drive innovation and technological progress. Enhancing gas turbines efficiency while reducing their environmental impact is the main drive for the continuous development and optimization of gas turbine performance. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modelling, application, control, and condition monitoring of gas turbines and their cooling systems.

Guest Editor

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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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