Special Issue

Gas Turbines: Design, Diagnosis and Performance

Message from the Guest Editor

Gas turbines are used in a wide variety of applications—from jet engines to large-scale power generation. Each application presents its own particular set of challenges for gas turbine design and mode of operation. Regardless of the application, these machines are susceptible to performance deterioration and various faults due to their harsh working environment. In order to increase or maintain their safety, availability, and high efficiency, it is necessary to develop methods for component design, performance modeling, health monitoring, fault diagnosis, prognosis, and performance optimization. The Special Issue of *Fluids*, "Gas Turbines: Design, Diagnosis and Performance", aims to cover recent advances in the design, modeling, optimization, monitoring, and diagnosis of gas turbine performance in all kinds of applications.

Guest Editor

Dr. Nikolaos Aretakis

Laboratory of Thermal Turbomachines, National Technical University of Athens, 15780 Zografou, Athens, Greece

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

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Editor-in-Chief

Prof. Dr. D. Andrew S. Rees
Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

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