



Gas Turbines: Design, Diagnosis and Performance

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Nikolaos Aretakis

Guest Editor





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