



Gas Turbine Engine - towards the Future of Power

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Message from the Guest Editors

Dear Colleagues,

Gas turbine engines are extensively used in aviation and power generation. The engines are designed to offer cost-effective features. The energy demand for both propulsion and power generation are showing a continuous increase. At the same time, rising fuel prices are factors that influence the economics of gas turbine operation. In addition to this, there is an increasing concern about the environmental consequences of engine operation. Emission control has attracted a great deal of attention in the gas turbine community. Under these circumstances, gas turbine novel cycles and technology enhancement has become of primary importance.

The importance of hybrid aircraft technologies lie in the advancements it provides to aeroplane life cycles and the reduction of adverse environmental effects. Consequently, the aviation industry is currently very keen on distributed propulsion technology for further operational, technologies, fuel consumption, safety, reliability, and efficiency.





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