Special Issue

Gas Turbine Engine - towards the Future of Power

Message from the Guest Editors

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.

Guest Editors

Dr. Theoklis Nikolaidis
Centre for Propulsion Engineering, Cranfield University, Bedfordshire, UK

Prof. Dr. Pericles Pericles Pilidis
Centre for Propulsion Engineering, Cranfield University, Bedfordshire MK43 0AL, UK

Deadline for manuscript submissions

closed (30 September 2018)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/12009

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)