Special Issue

Towards Gas Turbines Adapted for Net Zero Carbon Power Systems

Message from the Guest Editors

As fossil fuel thermal power generation is progressively phased out, gas turbines emerge as the best thermal power generation technology capable of converting hydrogen to electricity at scale and with high efficiency and low emissions.

In this context, the current Special Edition aims to provide an overview of the activities of the research and development community in the fields of novel approaches in gas turbines. The focus lies on activities directed toward the adaptation of the technology for its application in a decarbonized society. Research articles mainly on (but not strictly limited to) the following topics are welcome:

Hydrogen in gas turbine applications;
Concentrated solar power gas turbines;
Pressure gain combustion in gas turbine applications;
Fuel cell–gas turbine hybrids;
Biomass fired gas turbines;
Alternative applications of the Joule–Brayton cycle.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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