Special Issue

Micro-Turbines for Hydrogen Fuels

Message from the Guest Editor

This Special Issue aims to publish the latest research works on the introduction of clean hydrogen fuel into the microturbine industry, which will ultimately contribute to the penetration of hydrogen in the global economy. The Special Issue invites important and original research work on micro-turbines for hydrogen fuels that include feasibility analysis, process simulation, engineering design, combustion CFD modelling and optimization, and combustion experimentation for the development of hydrogen-fueled micro gas turbines (MGT). The issue will cover design, optimization, and application of novel fuel-flexible combustion systems to adapt to the use of renewable/alternative clean fuels, and to effectively optimize the microturbine energy gensets. Contributions focused on hybrid micro gas turbine and fuel cell power generation with hydrogen production and CO2 capture are also of interest for publication in this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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