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Micro-Turbines for Hydrogen Fuels

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Deadline for manuscript submissions:

closed (10 December 2021)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Hamidreza Gohari Darabkhani
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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