

Invited Lecture

The state of the art on the use of hydrogen in gas turbines

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The scope of the presentation will include:

- review of fuels used in gas turbines now and in the future, including fuels that do not generate CO₂ emissions,
- properties of hydrogen as a fuel and significant differences in relation to natural gas,
- strategies for low-emission generation and use of hydrogen, including power generation sector,
- scale of utilities demand, including water for electrolysis and electricity from renewables,
- state of the art of hydrogen co-firing and firing technologies for the largest Gas Turbine deliverers.