

Stability and Mixing Characterization of Industrial Lean Premixed Nozzles

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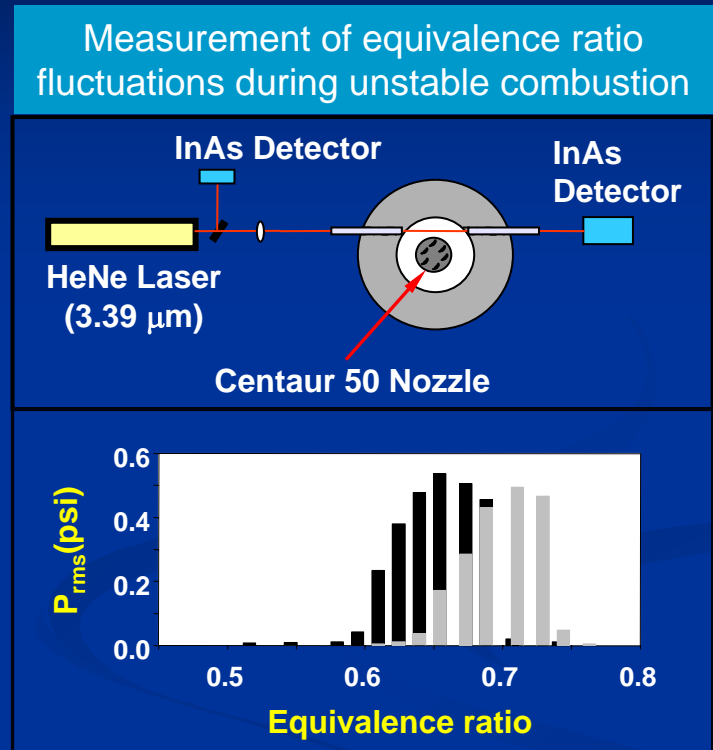
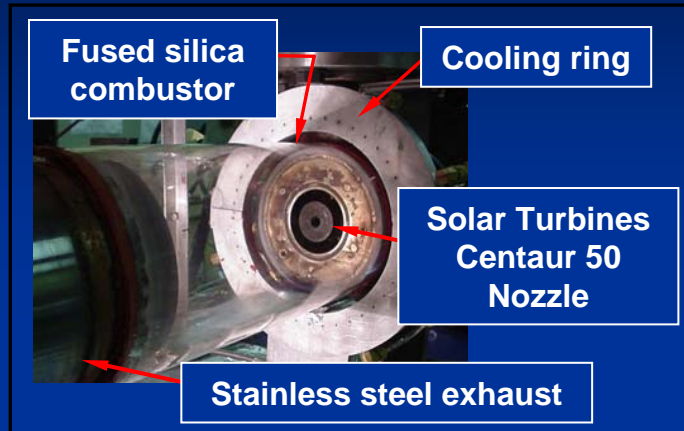


Photo
of
Stable
Flame

Photo
of
Unstable
Flame

- Unique research capabilities have been developed for the study of fuel mixing and combustion instabilities in lean premixed combustors.
- These capabilities have been used to characterize the performance of industrial lean premixed nozzles for Solar Turbines, United Technologies and General Electric.
- This information has been used by the gas turbine manufacturers to gain understanding and new insights for the development of stable low emissions lean premixed combustors.