



The Combustion Institute

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CombustionInstitute.org

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Research Scientist Position in Combustion Dynamics and Plasma-Assisted Combustion

Job Description

- Work at an innovative startup developing plasma-assisted ignition and combustion technologies for jet engines, gas turbines and scramjets.
- Help develop novel plasma-based technologies for various chemical processes
- Serve as research staff on federally funded research projects in collaboration with major research institutions
- Collaborate with a multidisciplinary team of experimentalists and modelers.

Essential Requirements

- Knowledge of combustion concepts, especially for gas turbine combustion and scramjet combustion is desired.
- Prior experience with plasma-assisted combustion is ideal but not required.
- Experience designing and running combustion experiments.
- Knowledge of LabView, Matlab and Solidworks.
- Familiarity with high voltages and an understanding of high-voltage electrical safety.
- Collaborative skills, including the ability to work well with other companies, laboratories, and universities.
- Prior experience with at least one of ignition, lean blow off, thermoacoustics instabilities or similar combustion experiments.
- Strong communication skills.
- Experience in interdisciplinary collaborative research is desirable as is desire to work in a fast-paced environment.
- A general enthusiasm for the aerospace and or power generation industry and a high degree of comfort with short timelines, uncertainty and rapid innovation.

Combustion Job Opportunity

- Candidates should have a M.S. or Ph.D. in mechanical/aerospace engineering, with experience in combustion and/or plasma.
- A high degree of trustworthiness

How to Apply

Send an email with CV to felipe.gomez@fgcplasma.com

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