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Research Engineer Position at FGC Plasma Solutions: 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.
- Take an active role in the development of 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 on translational research.
- Plan and execute experiments at high pressure and supersonic combustion facilities.

Essential Requirements

For this position it is desired that candidates possess:

- Hands on laboratory experience with gas turbine and or scramjet combustion concepts;
- Prior experience with plasma-assisted combustion, thermo-acoustic instabilities, combustion control, and/or controls;
- M.S. or Ph.D. in engineering field with experience in combustion and/or plasma;
- U.S. Citizenship or Legal Permanent Resident status; and
- Willingness to relocate to the Cambridge, MA area.

Additional desired skills

- Collaborative skills, including the ability to work well with other companies, laboratories, and universities
- Enthusiasm for clean energy initiatives for the aerospace and power industries
- Comfort with a project autonomy, uncertainty, and fast-paced work environment
- A high degree of trustworthiness

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About the Organization and How to Apply

About FGC Plasma:

FGC Plasma Solutions is a five-year-old startup company founded in 2013 to commercialize research performed at Case Western Reserve University on plasma-assisted combustion. FGC Plasma endeavors to develop ground-breaking technologies to improve combustion and other reacting flow processes with applications in energy, aerospace, and national security. To date, FGC Plasma has raised \$2.5 million in funding has established collaborations with Notre Dame, MIT, ARL, AFRL, and Argonne National Lab. FGC Plasma has native high pressure and supersonic combustion test capabilities and is seeking to grow its technical team. Applicants to this position will have the opportunity to exercise technical direction over the development of new products and join an emerging, innovative team.

EEO Statement:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

How to Apply:

Send an email with your CV to careers@fgcplasma.com.

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