POSITION ANNOUNCEMENT – Computational Plasma Scientist

Job Description: The Plasma Technologies group at CFDRC has an opening for a computational plasma scientist to work on development of computational tools for adaptive kinetic-fluid simulations of plasmas. The candidate will join an established team working multiple research efforts for a diverse set of customers.

Current projects involve development of computational models for arc discharges and arc interactions with liquid and solid surfaces, explosive electron emission and electrode erosion processes. Candidate will use an understanding of gas discharge physics, computational algorithms, and the ability to develop tools (in C) in order to provide engineers tools to understand plasma's effects on their projects.

Job Requirements:

- Candidate must be a Permanent Resident of the United States (preference is for US Citizen)
- Theoretical and Computational Plasma Physics background
- Proficiency in Fortran or C
- Advanced Degree in a related STEM discipline
- At least basic understanding of explosive electron emission
- Computational electro-magnetic experience is required

Other Requirements:

- Parallel/HPC Computing Experience
- C++ Experience is a plus
- Interest in identifying new application for Plasma Technology is a plus as well

About CFDRC: CFDRC is the technology leader in engineering simulations and innovative designs. Our services are used by many Fortune 500 and emerging high-tech companies, national laboratories, and universities worldwide. CFDRC develops cutting-edge technologies (software & hardware, designs and prototypes) with Federal agencies and provides the highest possible leverage to our industry partners. CFDRC is a woman-owned small business and is nationally recognized for successful commercialization of innovative technologies.

CFDRC is an Equal Opportunity Employer. Employment decisions are made without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status or other characteristics protected by law.

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