Postdoctoral Research Position

Computational modeling of low temperature plasmas and rarefied gas flows

Aeronautics and Astronautics
Stanford University

The Plasma Dynamics Modeling Laboratory (PDML) in the Department of Aeronautics and Astronautics at Stanford University is seeking a postdoctoral research fellow. The position is focused on development of computational and theoretical models to understand the physics of low-temperature plasmas in cross-field discharges and interactions between rarefied gas (neutral and charged) and light.

The postdoctoral research fellow must have a Ph.D. degree in Physics or Engineering, with a particular focus in plasma physics, rarefied gas flows, computational fluid dynamics, numerical modeling, or closely related fields. Expertise in developing kinetic models (particle- and grid-based) and numerical algorithms of partial differential equations, preferably with experience in high-performance computing, is strongly desired. Highly motivated and hardworking candidates with a strong background in computational fluid and plasma dynamics are encouraged to apply.

More information about the research group is available at https://pdml.stanford.edu/

Applicants are invited to send a resume/CV, including a list of publications, a brief statement of research interests, and a list of three references to Prof. Ken Hara (kenhara@stanford.edu).

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