

Jobs at LLNL

Job Description

Posting Title:	POST DOCTORAL RESEARCH STAFF MEMBER	Return to Job Postings	Select Job
Job #:	009050		
Posted Date:	05/12/2010		
Job Title:	Post-Dr Research Staff Member (220.0)		
Job Term:	Post-Doctoral		
Salary Range:	Open		
Organization:	9855 Physics		
Directorate:	Physical and Life Sciences		

NOTE: This is a two-year term appointment with the possibility of extension to a maximum of three years. Eligible candidates are recent PhDs within five years of the month of the degree award at time of employment offer.

NATURE AND SCOPE OF JOB

The Physics Division within the Physical and Life Sciences (PLS) Directorate has an opening for an experimental postdoctoral research staff member in the area of edge plasma and plasma-surface interaction physics for magnetic-fusion-energy devices. The research includes working with a team to improve physics understanding of edge plasma behavior in the National Spherical Torus Experiment (NSTX tokamak) through a combination of existing and developing diagnostics and numerical simulations. The selected candidate's specific responsibilities will be the operation of existing edge spectroscopic diagnostics and physics data analysis. Strong interaction with LLNL Theory/Computational group is expected. Will report to the Principal Investigator for this project and the Associate Program Leader for Magnetic Fusion Energy Theory and Computations. The applicant's work location will be Princeton Plasma Physics Laboratory, Princeton, NJ.

ESSENTIAL DUTIES

- Learn to operate and interpret edge plasma diagnostics.
- Work as a team member to compare experimental data and simulation results, thus providing validated physics understanding.
- Publish research results in peer-reviewed scientific or technical journals and present results at external conferences, seminars and/or technical meetings.
- Ensure all assignments are performed in accordance with ES&H, security, and business practice requirements and policies.

ESSENTIAL SKILLS, KNOWLEDGE, AND ABILITIES

- Recent PhD in physics or related field.
- Knowledge of basic plasma physics.
- Experience in experimental measurements in plasma devices.
- Documented publication record in peer-reviewed journals.
- Experience carrying out independent research.
- Demonstrated verbal and written communication skills necessary to work in a multidisciplinary team environment, author technical and scientific reports and publications, and deliver scientific presentations.
- Experience working independently and in a team environment to achieve program goals in a timely fashion.

SPECIAL REQUIREMENTS

Pre-Placement Medical Exam: None required

Pre-Employment Drug Test: External applicants selected for this position will be required to pass a post-offer, pre-employment drug test.

Anticipated Clearance Level: None

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