

Postdoctoral Research Position Experimental Plasma Physics – Auburn University

The **Plasma Sciences Laboratory (PSL)** in the Physics Department at **Auburn University** invites applications for a post-doctoral research position that will be available beginning in January, 2012. The PSL has recently been awarded a NSF Major Research Instrumentation grant for the development of a new, magnetized dusty plasma device. The post-doctoral researcher will contribute to this project through the development of an optical diagnostic system for imaging charged micrometer and nanometer-sized particles that are suspended in a strongly magnetized ($B \geq 4$ Tesla) plasma. Additional responsibilities may include contributing to the development of a plasma source and vacuum system for this new experiment.

The ideal candidate will have a **Ph.D. in Plasma Physics** or a related field. The candidate will also have a strong background in experimental plasma physics with particular expertise on the development of laser diagnostic systems, optical measurements of plasmas, and experience with interfacing hardware with data acquisition systems (e.g., *LabView*). Prior experience with dusty plasma experiments is desirable, but not a requirement for this position.

Please send curriculum vitae, statement of research interests, along with a list of three references and contact information to: Ms. Stephanie Woodley, COSAM Human Resources Generalist, 315 Roosevelt Concourse, Auburn University, AL 36849; woodlsc@auburn.edu; fax 334-844-5823. Also, refer to “Experimental Plasma Physics” in your cover letter.

Additional information on the Plasma Sciences Laboratory is available at: <http://psl.physics.auburn.edu/>. *Auburn University is an affirmative action, equal opportunity employer. Minorities and women are encouraged to apply.*