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.