

# Postdoctoral Fellowship in IONOSPHERIC STUDIES



## APPLIED RESEARCH LABORATORIES The University of Texas at Austin

**The Space and Geophysics Laboratory (SGL)** of the Applied Research Laboratories, The University of Texas at Austin (ARL:UT) wishes to invite applications for one or more postdoctoral fellowship positions. SGL has an active ionospheric research and development program with active research interests in a number of areas, including:

- Data driven ionospheric modeling utilizing in-house developed data assimilative model.
- Ionospheric measurements utilizing a specifically designed beacon receiver that tracks a variety of low earth orbiting satellites.
- Assisting with the development of the next generation of beacon receivers.
- Working as a part of a team to develop an ionospheric measurement mission for a cubesat mission.

This position will support existing projects, as well as independent research. The appropriate candidate will be required to work with other personnel to provide research, technical analyses, and recommendations for existing sponsored efforts and pursue, at about half-time, an independent research program aimed at publication.

**SGL invites applications from individuals that have recently completed their Ph.D.** in natural sciences or engineering. Applicant must have received his or her Ph.D. within the last three years in order to be eligible. Individuals with research experience in ionospheric data processing, analysis of experimental data, signal processing and/or hardware development are preferred, but all candidates are encouraged to apply. A familiarity software development (FORTRAN90) as well as laboratory skills are desirable but not essential. The successful applicant should demonstrate strong potential as an independent researcher and small (2-5 people) team collaborator. Applicants will be able to submit proposals as the Principle Investigator and is expected to pursue outside funding opportunities. A willingness to work with and mentor undergraduate researchers is desirable.

**The appointment is contingent** upon the completion of the requirements for a Ph.D. and will be for an initial period of one year with the possibility of renewal for up to three years. Outstanding recipients may be considered for staff positions at the completion of their appointment. U.S. citizenship is required. Subject to a government security investigation and must meet eligibility requirements for access to classified information. All positions are security sensitive and a background investigation will be conducted.

Salary Range: determined by experience and qualifications. Excellent fringe benefits.

Candidates should submit a curriculum vitae (with citizenship indicated), publication bibliography, three letters of reference, and a copy of two recent papers or manuscripts to

**Thomas Gaussiran, Ph.D.**  
**Space and Geophysics Laboratory**  
**Applied Research Laboratories**  
**The University of Texas at Austin**  
**P.O. Box 8029**  
**Austin, TX 78713-8029**

The University of Texas is an affirmative action equal opportunity employer.