

Postdoctoral Fellowship in

## **ELECTRICAL ENGINEERING/PHYSICAL SCIENCE**

**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 is actively involved in the development of a new space-based software digital radio (SDR) geophysics instrument for deployment in one or more satellite constellations, and is interested in candidates to be part of the development team for the requisite research-grade digital electronics. In addition to this effort, SGL has an active program in developing and fielding specialized GPS receivers.

**Applicants should have a recent Ph.D.** in electrical engineering, or other engineering/physical sciences paired with extensive experience in digital electronics design. Individuals with research experience in the development of FPGA-based high-speed digital instrumentation are desired, but all candidates are encouraged to apply. Computer programming and laboratory skills are essential. Experience with board layout, low EMI/RFI applications, and Verilog/VHDL are desired. The successful applicant should demonstrate strong potential both as an independent researcher and as a small team (2-5 people) collaborator.

**The appointment is contingent** upon the completion of the requirements for a Ph.D. (but is also open to candidates with some post-doctoral experience) and will be for an initial period of one year with the possibility of renewal for an additional year. Candidates will be expected to work primarily on the SDR effort, but encouraged to develop new programs in areas of their expertise. 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. Women and minorities are encouraged to apply.