

Postdoctoral Fellowship

OPTIMIZATION AND STOCHASTIC PROGRAMMING

Applied Research Laboratories
The University of Texas at Austin

The Signal and Information Sciences Laboratory (SISL) of the Applied Research Laboratories, The University of Texas at Austin (ARL:UT) wishes to invite applications for one or more postdoctoral fellowship positions. SISL is currently involved in a variety of exciting research programs including: sensor management; acoustic modeling, detection, classification, and tracking using both active and passive underwater sonar systems; and developing artificial intelligence and stochastic programming approaches to improving the exploitation of sonar systems in uncertain environments.

Applicants should have a recent Ph.D. in physics, math, engineering, operations research, or other related applied sciences. Applicant must have received his or her Ph.D. within the last three years in order to be eligible. Individuals with research experience in optimization algorithms, artificial intelligence, mathematical statistics, probability theory, and computer programming are preferred, but all candidates are encouraged to apply. A familiarity with machine learning, underwater acoustics, target tracking, or signal processing is desirable but not essential. The successful applicant should demonstrate strong potential as an independent researcher and small (2-5 people) team collaborator.

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 an additional year. Outstanding recipients may be considered for staff positions at the completion of their appointment. **U.S. citizenship is required.** 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



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