



## Job Description

Title: Lead Scientist

### **Purpose:**

The role of the Lead Scientist is to lead the planning, execution, and evaluation of research in support of defense, other government, or industry clients. Research topics will include: training systems design, training effectiveness evaluation, adaptive training, human performance assessment using behavioral and physiological means, and other related topics. The Lead Scientist will also support management in business development efforts by managing an active portfolio of new and existing clients for business development opportunities.

### **Duties and Responsibilities:**

- Perform as the Principal Investigator (PI) to lead projects with responsibilities for budget, schedule, scope, scientific leadership, and tasking of team members
- Lead critical reviews of research literature
- Develop and execute research project plans
- Manage and lead activities such as user needs analysis, cognitive task analysis and other analyses to identify training needs
- Apply human factors principles and theory to design
- Manage and lead data collection activities
- Manage and lead statistical analyses using software including SPSS and Excel
- Manage and lead the preparation of project reporting requirements (e.g., monthly and final reports, presentations, briefings)
- Actively participate in the training research community through conference presentations and publications
- Provide mentorship and guidance to junior team members
- Lead and assist in preparation of proposals
- Build and sustain strong client relationships ensuring they receive excellent service
- Actively pursue a business development relationship with new and existing clients

**Qualifications:**

- U.S. Citizen
- Ph.D. in Human Factors, Cognitive or Experimental Psychology, Applied Psychology, Modeling and Simulation or other relevant area of study *and* 10+ years of related experience
- Expertise in technology-based training, human performance assessment, game-based training, simulation, adaptive training, mobile learning or instructional design
- Familiarity with the military training professional community
- Familiarity with military training
- Strong written and oral communication skills
- Experience leading experimental research projects related to human performance, human factors, education, or training
- Experience leading data collection efforts
- Experience with complex statistical analyses including multiple regression and ANOVA
- Familiarity with Microsoft Word, Excel, PowerPoint, Project, SPSS

**Work Environment:**

This position does not require physical activities beyond a typical office environment. It does require computer use, web-based video communications (e.g. Skype, Google Hangouts), and telephone use.

**Travel:**

The Lead Scientist will be expected to travel up to 50% of working hours per month for the following purposes:

- Business development opportunities
- Data collections and information gathering at military, other government, and industry installations
- Conference presentations and attendance
- Team and organizational meetings (if remote)

**Security Clearance:**

All employees must have or be capable of acquiring a Secret DoD security clearance. Guidelines indicating those items that may prevent you from obtaining a security clearance can be found here: <http://www.fas.org/sgp/isoo/guidelines.html>.