Research Coordinator (US CCDC Army Research Laboratory)

We are seeking a highly motivated, full-time research coordinator to work on an interdisciplinary research project led by Dr. Nina Lauharatanahirun US CCDC Army Research Laboratory that is a part of a collaborative multi-university research initiative. As part of this initiative, our DoD-funded project aims to study the neural dynamics associated with cooperative decision making in both human-human and human-agent interactions. An overarching goal of the Human Sciences at the US CCDC Army Research Laboratory is to expand our understanding of individual and team behavior, providing the foundational research for individualized teaming technologies within heterogeneous human-agent teams. An important feature of individualized team technologies is the ability to predict future behavior quickly and accurately in dynamic environments for individuals working together for a common goal. We use a variety of physiological sensors, surveys, and other metrics to infer individual and teaming "states" that may be related to perception, attention, decision-making, or communication at the individual and group levels.

Position Description:

The research coordinator is an essential member of the team and will be generally responsible for having overall knowledge of projects associated with this multi-university research initiative and managing the day-to-day logistics of ongoing projects. The coordinator will be primarily responsible for recruiting, scheduling, and screening research participants for fMRI/EEG/ECG, running human experiments, managing subject databases, preparing and managing IRB protocols, develop and implement a manual of procedures, and serve as a liaison between multiple collaborators. Training will be provided for all aspects of the position. The coordinator will also have the opportunity to conduct data analysis, present findings at conferences, and write scientific manuscripts for publication related to research project aims under the supervision of Dr. Lauharatanahirun. This is an excellent opportunity for candidates interested in pursuing graduate school in psychology, neuroscience, bioengineering, economics, computer science or related fields.

The selected candidate will serve a lead role as part of this collaborative, multi-university research initiative. As part of the role, the coordinator will be expected to travel for experimentation and development and must have a desire to work with a geographically distributed, energetic, and multidisciplinary team. Travel sites include: Pittsburgh (CMU/UPitt), Chicago (Northwestern University), Boston (Northeastern University), and Aberdeen Proving Ground, MD (ARL). This is a one-year appointment with the possibility of extension to multiple years.

Desired characteristics:

The ideal candidate will have strong communication, interpersonal and verbal skills, ability to work independently and manage multiple tasks, be detail-oriented, have some experience with conducting human experiments, and an interest in the neuroscience of social decision making. Minimum qualifications include: (i) a Bachelor's degree in psychology, computer science, economics, bioengineering, neuroscience, or a related field by spring of 2020; (ii) demonstrated organizational skills or experience with data management; (iii) previous experience running human subject experiments is a must; (iv) proficiency in Microsoft Word/Excel/Powerpoint or equivalent; (v) some experience with Matlab, Python, or R is preferred but not required; and (vi) previous experience with fMRI/EEG and ECG data acquisition is preferred but not required.

Timeline:

We will begin to evaluate applications **immediately**, and will continue to review applications on a rolling basis until the position is filled.

Contact information: Interested individuals should send a cover letter, CV, and at least two references to nina.lauharatanahirun.civ@mail.mil with subject line "ARL research coordinator." Letters of recommendation will be required for candidates under final consideration.

At ARL, we are committed to creating a diverse environment and are proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.