## Position: RESEARCH ASSOCIATE
(Human Autonomy Teaming Laboratory – UAS/NAS)

### DEPARTMENT:
Psychology

### IMMEDIATE SUPERVISOR:
Project Director, NASA

### POSTING DATE:
March 1, 2017

### CLOSING DATE:
Open Until Filled

### SALARY:
Negotiable based on experience
Full time
Benefited

### EXEMPT STATUS:
Exempt Level

### GENERAL NATURE OF POSITION:

The Department of Psychology at San José State University is involved in collaborative research efforts with civil service scientists from the Human Systems Integration Division at the NASA Ames Research Center in Mountain View, CA. The research is centered on unmanned aircraft systems (UAS) operations and will be conducted in the Human Autonomy Teaming (HAT) laboratory. We are seeking an individual with extensive knowledge and experience in UAS research to lead and manage research within the technical area of Human Systems Integration (HSI) for UAS integration into the National Airspace System (NAS).

### ESSENTIAL DUTIES & RESPONSIBILITIES:

1. Lead the human systems integration technical research for the UAS Integration in the NAS (UAS-NAS) Project out of the Human Autonomy Teaming (HAT) laboratory
2. Develop the human systems integration technical content and maintaining schedule
3. Assign UAS-NAS human systems integration resources to DAA subproject work
4. Supervise and manage the UAS-NAS human systems integration research team within the HAT laboratory
5. Lead and supervise the execution of UAS-NAS human-in-the-loop simulations conducted within the HAT laboratory
6. Ensure on-time delivery of the human systems integration technical deliverables
7. Coordinate with the other DAA technical leads to ensure that work is cohesive
8. Coordinate with external stakeholders to ensure relevancy of UAS-NAS human systems integration research to stakeholder goals/needs
9. Provide human factors technical expertise to the UAS-NAS Project Office
10. Take direction and guidance from, as well as provide regular status updates of work to, the DAA subproject manager (SPM)
11. Work with the SPM to ensure compliance with schedule and budget
12. May be delegated SPM responsibilities in their absence

INTERPERSONAL CONTACTS:

Reports to the Project Director. Interacts with NASA Ames civil service and Research Foundation staff, including student assistants, on a daily basis.

QUALIFICATIONS:

1) Education and Experience
   a) MS/MA in Psychology, Human Factors, or related field required.
   b) Minimum 5 - 8 years’ experience in UAS and UAS integration into civil airspace concepts and research required.
   c) Minimum 5 - 8 years’ experience in behavioral and social science research, including advanced coursework in experimental psychology, statistics, and research methodology.
   d) Minimum 2 – 3 years’ experience developing technical performance standards.

2) Knowledge, Skills and Abilities required
   a) Familiarity with UAS operations and proposed concepts for UAS integration into the NAS.
   b) Experience in human automation integration research and development.
   c) Experience leading HITL simulations and field demonstrations on UAS integration into the NAS concepts.
   d) Excellent understanding of conducting research basics with human participants, as well as experience with data analysis, including visual and statistical methods.
   e) Ability to effectively communicate through verbal and written correspondence with outside contacts including other NASA research labs, university researchers, and subject matter experts to support collaborative research activities.
   f) Ability to be a team lead on several tasks within a project and across projects.

3) Physical requirements
   a) Frequent travel required (approximately 1-2 trips per month to flight test locations, other NASA Centers, stakeholder meetings, etc.).
   b) Located at the NASA Ames Research Center. Therefore, this employee must meet security qualifications for entrance to the Center.
   c) Candidate will be a U.S. citizen or Permanent Resident.

4) Complexity of Duties
   Exercise independent judgment in the management and completion of a diverse set of tasks.

SUPERVISORY RESPONSIBILITIES: None, though may be called upon for advice and direction by others.
APPLICATION PROCEDURE

To apply for this position, you may submit a letter of interest and a resume or an application. An application and other information, including the job description, may be obtained from the Research Foundation through its web site at [http://www.sjsu.edu/researchfoundation/open/index.html](http://www.sjsu.edu/researchfoundation/open/index.html). You may also obtain information in person by visiting the Research Foundation, located at 210 North 4th Street, 4th Floor, San Jose, CA (corner of St. James and North 4th Streets). A formal application for employment will be required of all candidates who are selected for a personal interview. Please address your letter of interest and resume or application directly to:

San Jose State University Research Foundation  
Attn: HR/Job Code RAssocUAS/NAS  
210 North 4th Street  
San Jose, CA 95112  
E-mail: foundation-jobs@sjsu.edu

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The SJSURF has also implemented California State University Policy Memorandum HR 2015 – 08 ([http://www.calstate.edu/HRAdm/pdf2015/HR2015-08.pdf](http://www.calstate.edu/HRAdm/pdf2015/HR2015-08.pdf)).
A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the SJSURF. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current SJSURF employees who apply for the position.