



Psychologist with Expertise in Human Factors and Multi Modal Interface Design

Job Overview

The Sensory Systems Branch of the 711th Human Performance Wing within the Air Force Research Laboratory (711 HPW/RHWS) seeks to hire a highly qualified Psychologist to support the Multisensory Perception and Communication Core Research Area.

Position duties include, but are not limited to:

- Conducts research and applies human factors and psychological concepts and processes to the investigation and design of multisensory interfaces for the communication of information in complex military environments.
- Applies knowledge gained from fundamental research to develop systems that support natural human-machine collaboration.
- Performs experimental design, statistical analysis, and basic software development for data presentation, collection, and analysis.
- Conducts independent planning and supervision of scientific and engineering efforts, as well as, the ability to establish and maintain collaborative relationships with researchers at other DoD and government organizations, academia, and industry.
- Continually works to expand personal knowledge and develop new skills relevant to multi-modal user interface design and development.
- Serves as technical expert and/or committee member for special studies, projects, task forces, or professional organizations as assigned.

Required Qualifications

- United States Citizenship
- Applicants must have at least one (1) year or 52 weeks of specialized experience. Specialized experience must include professional engineering, scientific OR psychological research theory experience leading and managing human performance research and development programs to enable, enhance, sustain, and restore the health



and human performance of the multi-domain Airman and Guardian; AND experience collaborating with educational and research institutions.

- For general information on qualifying education, experience, and combination of education and experience requirements which are defined based on the level of the position being filled click on the following [link](#).

Desired Qualifications

- Expertise in multi-modal user interface design and evaluation, and knowledge of the relevant scientific literature.
- Familiarity and/or interest with state-of-the-art multi-modal input (touch, gesture, voice) and display (graphical, auditory, haptic) technologies.
- Experience designing critical experiments to address knowledge gaps in the relevant literature and an acquired understanding of real-world, operational environments.
- Experience collecting and analyzing data and report results to the scientific/DoD community.
- Ability to guide software/engineering teams to develop novel interface concepts based on research findings

Location: Wright-Patterson Air Force Base, Dayton, Ohio

Salary Range: \$79,647 – \$123,124