

Postdoctoral Research Fellow

Starting Date: March 1st or until the position is filled.

Description: IHMC is seeking a Postdoctoral Fellow to facilitate research activities for a DoD-funded research program investigating the development and measurement of perceptual-cognitive and motor performance (e.g., threat detection, decision-making) in shooting simulator environments, with the goal being to test and validate predictive performance tools and simulator training protocols. This program of work will require applicants to work closely with simulator technology, biosensors (e.g., eye-tracking, heart rate, thermal imaging), and any associated data that comes from onsite experiments. The applicant will work alongside Dr. Mark Williams and Dr. Brady DeCouto in study planning, simulator development, data collection/analysis, and constructing reports for sponsors. This program of research will fund the applicant for 3 years.

The applicant would join IHMC's growing interdisciplinary team in the Health, Resilience, and Performance (HRP) research program, which conducts research on topics ranging from stress responses/adaptations in military personnel to cognitive factors associated with human-machine teaming.

Minimum Requirements

- PhD (or finishing a PhD) in Cognitive Neuroscience, Kinesiology, Exercise Science, Cognitive Psychology, Physiology, Biomechanics, or a related field in human sciences
- Demonstrated evidence of publishing in peer-reviewed journals
- Experience leading research independently
- Experience collecting/analyzing data and working collaboratively with research teams
- Programming experience (e.g., Python, R, MATLAB)
- Troubleshooting skills with technology
- Authorization to work in the United States

Preferred Qualifications

- Experience using biosensing technologies for research, which may include eye-tracking, neuroimaging, 3D motion capture, IMUs, electrodermal sensors, or heart rate sensors
- Research background in perceptual-cognitive and motor skills associated with elite performance (those with other research backgrounds are also encouraged to apply given diverse perspectives may contribute to the aims of the research)
- Experience using simulator technology (AR, VR, XR, or other simulator environments)
- Excellent leadership and data organization skills

HOW TO APPLY

Interested applicants should email mwilliams@ihmc.org with the following information:

- Cover letter (max 1-page PDF)
- CV (PDF)

Location: Florida Institute for Human and Machine Cognition (IHMC), Pensacola, FL

IHMC is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, national origin, disability, or protected Veteran status.