Postdoctoral Research Associate Position
Human Factors and Virtual Reality

Hybrid-System Integration and Simulation Laboratory
http://www.hsis.umd.edu
University of Maryland, College Park

The Hybrid-System Integration and Simulation (HSIS) Laboratory in the UMD Department of Mechanical Engineering has an opening for a Postdoctoral Research Associate position to be part of an interdisciplinary research team focused on Virtual Reality human-in-the-loop simulations. The goals of the HSIS Lab are to advance the design, operation, performance monitoring, and performance assessment of complex hybrid systems (human-software-hardware). The work will primarily involve human factors experimentation in the UMD Virtual Reality CAVE to inform the design of products and systems in safety-critical domains.

Applicants should have a Ph.D. in Human Factors Engineering, Computer Science, Industrial and Systems Engineering, or a related degree area. Applicants must be a US Citizen.

The ideal candidate should have a strong human performance assessment (experimental and computational) and computer programming background. Technical skills in Matlab, SAS/SPSS, Unity, C, and C++ are ideal. Prior background in VR is preferred, but not required. Demonstrated writing abilities of research manuscripts is required.

Applicants should send a letter of interest, curriculum vitae, relevant journal articles, and a list of referees to Dr. Monifa Vaughn-Cooke: mvc@umd.edu. Start date is negotiable.