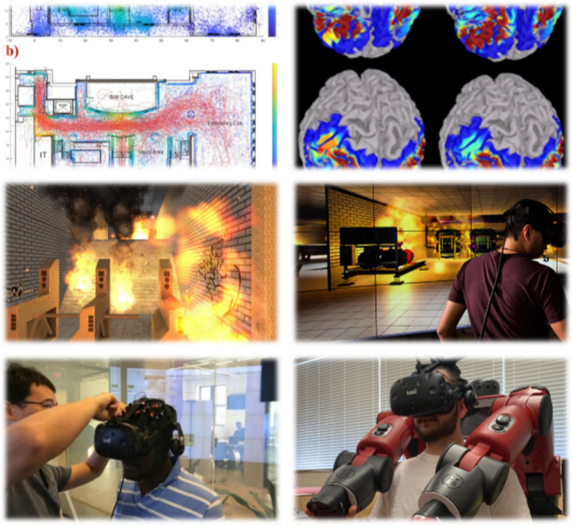
Two PhD RA positions available in Fall 2019

in the area of *Virtual Reality for Human-Robot Collaboration*

Two (2) PhD research assistant positions are available at the Engineering School of Sustainable Infrastructure & Environment (Civil Engineering), **University of Florida**, to work on a funded research project to investigate the use of Virtual Reality (VR) for Human-Robot Collaboration training and analysis. The expected start date is **August 15, 2019.** The student's advisor will be Dr. Eric Jing Du. The work will be interdisciplinary by nature, spanning over Virtual Reality, cognitive science, robotics and automation, and civil engineering.



Du Lab: https://faculty.eng.ufl.edu/ericdu/

MINIMUM REQUIREMENTS:

B.S. in Industrial and System Engineering, Mechanical Engineering, Computer Science, Electrical Engineering, Civil Engineering, or related fields. Other general admission requirements (TOEFL, GRE, GPA, etc.) please refer to: https://www.essie.ufl.edu/student_resources/admissions/

DESIRABLE QUALIFICATIONS:

Interests and experiences related to two or more of the following academic areas:

1) Virtual Reality (Unity game engine);
2) Cognitive Science (neuroimaging);
3) Robotics and Automation;
4) Computing (programming, AI);
5) Emergency Response support;
6) Disaster and risk communication.

ASSISTANTSHIP PACKAGE:

Competitive stipend, full tuition waiver, and healthcare. Room & board expenses will be covered for research travels (conferences, data collections).

RESPONSIBILITIES:

To work on an NSF-funded project to study Human-Robot Collaboration in Emergency Response. Specific responsibilities include:

- To work with other PhD students on VR model developments (Unity development; C# preferred);
- To lead a user requirement study about the automation technology needs in emergency response;
- To assist the neuroimaging analysis (EEG and fNIRS);
- To lead and participate in disseminating the results via publications.

APPLICATION INSTRUCTION:

Please send your CV and a short research statement directly to Dr. Eric Jing Du at eric.du@essie.ufl.edu

CONTACT:

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The University of Florida is one of 62 elected member institutions of the Association of American Universities (AAU). The university is classified as a Research University with Very High Research by the Carnegie Foundation For 2019, U.S. News & World Report ranked Florida as the 8th (tied) best public university in the United States.