Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

Faculty/Department: Mathematics, Informatics, Natural Sciences/ Informatics
Seminar/Institute: Human-Computer Interaction

Pending approval of external funding Universität Hamburg invites applications for a Research Associate for the project **"Verbundprojekt: Living Labs für Labor- und Feldstudien zur Evaluierung virtueller Technologien für ein gesundes Leben"** in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on December 1, 2018.

It is remunerated at the salary level TV-L 13 and calls for 100 % of standard work hours per week*. The position is also part-time suitable.

The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed to October 31, 2021.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:
Duties include academic services in the project named above. Research associates can also pursue independent research and further academic qualifications.

Specific Duties:
VITALabs focusses on developing and providing a user-centered and real-world research and interactive environment with emphasis on future diagnostic for researchers, physicians, therapists and patients. Empirical studies regarding various research topics will be conducted to evaluate the following aspects:
- Usability and user experience of user interfaces for innovative forms of virtual therapy
- Evaluation of the effects of innovative VR/AR-based interaction and gamification concepts as well as cybersickness and sense of presence
- Assessment of the accuracy and precision of new tracking approaches
- Assessement and securing of concepts for data protection, privacy and safety

Requirements:
A university degree in a relevant field. A (scientific) university degree (diploma or master) in a relevant field, preferably in the subjects Human-Computer Interaction or (Media) Computer Science as well as very good programming skills and interest in interdisciplinary teamwork.

* Full-time positions currently comprise 39 hours per week.

In addition, very good English skills and experience in at least one of the following research fields are preferable:
- Human-Computer Interaction
- Game Design and Development
- Interactive 3D Computer Graphics
- Interaction Design or Interactive Media
- Perception Psychology and / or Cognitive Sciences
- Computer Vision or Artificial Intelligence

For the implementation, additional technical skills would be preferable in the following fields:
- Unity3D, Unreal or similar engines
- Object-oriented programming (e.g., C#, C ++ or Java)
- Embedded Systems / Electronics (e.g., Arduino Development)
- Statistics (e.g. R or SPSS)
- Input and output devices (e.g., Kinect or PrimeSense)

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Dr. Frank Steinicke or consult our website at hci.informatik.uni-hamburg.de.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is November 19, 2018. Please send applications to: Antje Lünstedt (luenstedt@informatik.uni-hamburg.de).

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