



**Faculty/Department:** Mathematics, Informatics, Natural Sciences /  
**Seminar/Institute:** Dept. of Informatics, Human-Computer Interaction

Universität Hamburg invites applications for a Research Associate for the project **“SFB/Transregio 169/1: Cross Modal Learning - sub-project C06”** in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1<sup>st</sup> of June 2016.

It is remunerated at the salary level TV-L 13 and calls for 100 % of standard work hours per week\*.

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 31<sup>st</sup> of December 2019.

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 Equality Act (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:**

The range of duties in sub-project C06 include the development and evaluation of visual-haptic tele-robotic-systems. The SFB/Transregio 169/1 project aims to initiate interdisciplinary research between computer science, neuroscience, and psychology in Hamburg and Beijing in order to set up a collaborative research centre with focus on human-robot-collaboration, artificial intelligence, neuroscience and psychology while focusing on the topic of cross-modal learning. The long-term challenge is to understand the neural, cognitive and computational evidence of cross-modal learning and to use this understanding for (1) better analyzing human performance with cross-modal correspondence (2) building effective cross-modal computational systems.

**Requirements:**

A university degree in a relevant field. Well-founded skills in computer science and empirical research methods as well as programming languages such as Java, C/C++, or C# are expected. Knowledge in at least one of the following fields are expected.

- virtual, augmented or mixed reality
- tele-presence and -operation

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



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- human-robot-interaction and tele-robotics
- multimodal perception and action
- multisensory integration

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

For further information, please contact Prof. Dr. Frank Steinicke, email: [steinicke@informatik.uni-hamburg.de](mailto:steinicke@informatik.uni-hamburg.de) or consult our website at [hci.informatik.uni-hamburg.de](http://hci.informatik.uni-hamburg.de).

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 15<sup>th</sup> of March 2016. Please send applications to: Antje Lünstedt, email: [luenstedt@informatik.uni-hamburg.de](mailto:luenstedt@informatik.uni-hamburg.de).