Applications invited for a full-time research position at the Cluster of Excellence Cognitive Interaction Technology (EXC 277) - CITEC in the group Ambient Intelligence Group, Faculty of Technology (E13 TV-L, non-permanent position)

Main responsibilities

The Ambient Intelligence Group at CITEC, Bielefeld University is accepting applications for post-doctoral researchers in Sonification and Auditory Display. The holder of the position shall implement Model-based Sonifications by using parallel computing and develop and evaluate multimodal interfaces for real-time interaction. Furthermore the development of auditory interfaces for the communication of emotions as well as the auditory representation of biomedical data is planned.

Applicant’s Profile

The successful candidate is expected:

- University degree in Computer Science, Electrical Engineering or a related subject
- Doctorate degree/PhD in the field of Sonification, Auditory Displays, Sound Technology or a related topic
- Profound Knowledge of Sonification techniques, in particular in model-based sonification
- Experience in parallel computing (OpenCL)
- Ability to work independently, leadership skills
- Interest in and willingness for scientific work, including planning and carrying out user studies
- Very good English skills both written and spoken

The successful candidate should preferably have:

- Experience with auditory and haptic interfaces
- Knowledge of various sound synthesis techniques and systems (e.g. SuperCollider)
- Programming skills in further languages such as Python or C/C++
- Experience in biomedical computer science
- Willingness to work in interdisciplinary teams

Remuneration

Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentence 2 of the WissZeitVG (fixed-term employment), the contract will end on December 31, 2018. In accordance with the provisions of the TV-L, the Employment Act and the Employment Contract, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, these full-time positions may be changed into part-time positions, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work–family balance for all its employees.

Application Procedure

For full consideration, your application should be received preferably via email (a single PDF document) sent to Susanne Strunk, sstrunk@techfak.uni-bielefeld.de by the 1st of September 2017. Please mark your application with the identification code wiss17205. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information about Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

Postal Address

Universität Bielefeld
Faculty of Technology, CITEC, Ambient Intelligence Group
Susanne Strunk
Postfach 10 01 31
33501 Bielefeld

Contact

Dr. Thomas Hermann
Ambient Intelligence Group
Tel.: 0521 106-12140
e-mail: hermann@techfak.uni-bielefeld.de

Bielefeld University has a number of awards for its achievements in the provision of equal opportunity and has been recognized as a family friendly university. The University welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in Information Technology and Trades and Craft. Applications are handled according to the provisions of the state equal opportunity statutes. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.