The Center for Cognitive Interaction Technology (CITEC) offers a full-time postdoc position for Multimodal Behavior Processing as soon as possible (E14 TV-L, non-permanent position).

Your Tasks
The research group (Jun.-Prof’n Dr. Hanna Drimalla) aims to analyze human interaction signals (e.g., facial expression, voice and gaze behavior) by combining machine learning, speech processing, computer vision and classical psychological paradigms. Mainly, we focus on three aspects, due to their importance for human well-being: the recognition of positive and negative affect, the measurement of stress and the analysis of social interaction patterns. For this mission, we are looking for a motivated researcher from the field of computer science. The researcher will take leading responsibilities and supervise PhD and master students and further develop the research of the working group. We offer continuous feedback, a high degree of independence and collegial support in an interdisciplinary team. Doing a habilitation within the project will be explicitly supported. Further, the research group enables exciting and varied activities in an innovative, interdisciplinary and socially relevant research area.

Research activities (75 %):
- scientific supervision and scientific support of PhD students in developing machine learning methods for detecting stress, emotions and interaction behavior
- development of computer vision methods, voice and gaze analysis in a multimodal approach and in combination with machine learning
- conceptualization of empirical studies of stress resistance, emotion expression and social interaction
- analysis of behavioral data with classical statistical tests
- writing papers and reviewing drafts written by PhD students for English journals and conference publications

Teaching (20 %)
- teaching and supervision of bachelor/master theses or student projects

Other activities (5 %)
- Participating in administration and organization of the group

Your Profile
We expect
- relevant scientific university degree in computer science, a computer science-related discipline (e.g. data science or cognitive science) or another field relevant to the research area
- doctorate in computer science, a computer science-related discipline (e.g. data science or cognitive science) or another field relevant to the research area
- excellent practical experience and theoretical knowledge in machine learning and/or statistics
- interest and passion for interdisciplinary research at the intersection of computer science and psychology
- very good programming skills (e.g. Python)
- high proficiency in English (oral and written)
- analytical skills and scientific mindset
- independent, self-reliant and dedicated style of work

Preferable qualifications
- prior knowledge in one of the psychological application fields
- experience with conceptualization or implementation of psychological experiments

Remuneration
Salary will be paid according to Remuneration level 14 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 November 30th, 2023. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, this full-time position may become a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and 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, counseling, 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 via either post (see postal address below) or email (a single PDF document) sent to drimalla@techfak.uni-bielefeld.de by February 25th, 2021. Please mark your application with the identification code: wiss20313. 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 on Bielefeld University can be found on our homepage at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available: https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Pflichten_englisch.pdf.

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