



## Bachelor and Master Theses Openings

# Recognition of Speaker States, e.g. Emotion, Personality, Age, Gender, Fatigue, Intoxication, etc. from Spoken Language

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The Quality and Usability Lab of the Institute of Software Engineering and Theoretical Computer Science, Technische Universität Berlin, assures human-based natural interaction schemes in designing human-centric ICT systems with respect to quality and usability. A specific focus is directed to the discipline of para- and extralinguistic information recognition, such as the recognition of emotion and personality, age and gender, fatigue, intoxication and other characteristics from human speech behavior.

Your tasks will be connected to ongoing project work based on individual research projects ongoing in the chair, focusing on the recognition of speaker states from average, elderly, ill or other specific segments of speakers. The scope of the work will be determined individually, and may include speech elicitation scenarios, corpus collection or annotation work, speech attribute modeling or perceptive evaluation tasks.

### Requirements

- Knowledge in HCI, Human Factors, or
- Knowledge in Audio- and Speech processing, or
- Knowledge in machine learning and neuronal modeling (AI)
- Programming skills in preferred language
- Practical skills in statistics and visualization techniques
- English or German language

Please address your application including CV, grades and short introduction to: [tim.polzehl@qu.tu-berlin.de](mailto:tim.polzehl@qu.tu-berlin.de)