Universität Stuttgart

In the **Computational Cognitive Science** Lab with TT-Prof. Benedikt Ehinger, we currently have openings for:

2x PhD or PostDoc researchers on "EEG in motion"

on **100% TVL-13** positions for 3.5 years (extension possible)

Our lab highly values diversity and encourages applications from underrepresented groups, explicitly (but not exclusively) first-generation students, women, immigrants, neurodiverse persons, parents, BIPOC, LGBTQI+.

In this Emmy Noether funded project, we will investigate conceptual, methodological, and physiological foundations of **EEG combined with eye-, self- and object-motion**. One position will focus on the methodological and physiological problems when combining smooth pursuit eye-movements and EEG. The second position will focus on methodological and computational problems when combining object motion (e.g. video watching) with EEG. Both projects are closely related to the core of the lab. Further details can be found on www.s-ccs.de/emmynoether.

What we offer:

- A small lab with direct supervision and individual support
- An "extended" lab with Prof. Bulling (HCI, ML)
- High scientific rigor
- Family-friendly and all-welcoming lab atmosphere
- Travel money for at least one large conference and one summer school per year
- Childcare budget for conferences
- Flexibility and support for own projects
- Flexibility for an internship in another lab (in Germany or abroad, depending on funding)
- After 2 years: An honest discussion how to prepare for careers in academia or industry
- Access to equipment relating to EyeTracking, EEG, VR, 3D printing, infinite treadmill, motion tracking etc.
- Possibilities for B.Sc./M.Sc. supervision and (not mandatory) other teaching
- Home office flexibilities

What you should offer:

- A genuine interest in scientific advances
- Scientific integrity, critical thinking, and the motivation to follow open science best practices
- Coding experience (Julia/Python/R/Matlab preferred over C/C++/Java etc.)
- One of the following experiences:
  - EEG or other Event-related time series (e.g., BOLD/FIR-modelling, EDA, Pupillometry)
  - Statistics (especially multiple regression, machine learning)
  - Eye-tracking
- Degree in **cognitive science, computer science, statistics, neuroscience**, **psychology,** or related fields
- Excellent command of English in writing and speech. German is not mandatory
- Being kind and open

Please do not hesitate to apply. Enthusiasm and willingness to learn can compensate for many things.

Please submit your application (motivation letter, curriculum vitae, transcript of records, code examples e.g., project code, GitHub profile or similar) in **one single PDF file** and in an **additional PDF** file your master thesis (if not applicable substitute accordingly), via e-mail to benedikt.ehinger@vis.uni-stuttgart.de with the subject-line "[EN] Lastname". Positions are available until filled. Starting date is negotiable, expected in 2024. Please read https://www.s-ccs.de/philosophy before applying. If you have any questions, do not hesitate to contact us.

Information on how we handle applicant data in accordance with Article 13 of the EU General Data Protection Regulation can be found at https://www.uni-stuttgart.de/en/privacy-notice/job-application/.

The University of Stuttgart is committed to increasing gender diversity. Women are therefore specifically invited to apply. Where qualifications are equal, persons with a severe disability will be given preference. As an employer, the University seeks to support the development of all its employees and helps them fulfill their individual potential. It advocates a good work/life balance, well-being/ mental health, and equal opportunities. The University of Stuttgart is a recognized "family-friendly employer" and a signatory to the Diversity Charter ("Charta der Vielfalt") created by German organizations to promote diversity in business and society.

EEG in motion

Institute for Visualization and Interactive Systems

SimTech