

The Neuroinformatics research group (Prof. Dr. Gordon Pipa) of the **Institute of Cognitive Science** invites applications for

1 Research Assistant (m/f/d)
(Salary level E 13 TV-L, 50 %)

to be filled as soon as possible for a period of 3 years.

Description of Responsibilities:

The position involves participation in the research activities of the Neuroinformatics group. Our main research topics are centered on how cognitive functions are implemented in the brain. This includes the use of models or simulations of complex or neuro-inspired artificial systems, the use and development of machine learning approaches, or purely mathematical analyses of such systems, in order to unravel the information processing principles of neuro-inspired information processing.

The position includes teaching Cognitive Science courses at B.Sc. and M.Sc. level (2 hours/week) and allows to work towards a PhD.

Required Qualifications:

- Applicants are expected to have an excellent academic degree (Master/diploma) as well as an excellent knowledge in the field of machine learning, i.e. generalized linear and state space models, kernel methods, reservoir computing and deep learning. Experience or a strong interest in the fields of complex systems, computational neuroscience, dynamical systems theory and the concepts to study these, i.e. bifurcation and stability analysis, and delay-coupled differential equations, measurements of complexity, are encouraged.
- Experience or a strong interest in experimental methods such as machine learning and virtual reality, or EEG as well as timeseries analysis is welcome.
- A good command of the English language is mandatory.

Osnabrück University is a family-friendly university and is committed to helping working/studying parents balance their family and working lives.

Osnabrück University seeks to guarantee equality of opportunity for women and men and strives to correct any gender imbalance in its schools and departments.

If two candidates are equally qualified, preference will be given to the candidate with disability status.

Applications with the usual documentation should be submitted by e-mail in a **single** PDF-file to the Director of the Institute of Cognitive Science (office@ikw.uni-osnabrueck.de) no later than May 13, 2021. Further information can be obtained from Prof. Dr. Gordon Pipa (gpipa@uni-osnabrueck.de).