Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Associate - permanent position acc to MAVO - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Neurotechnology
Reference number: IV-38/25 (starting at the earliest possible / permanent / closing date for applications 07/03/25)

Working field:

The Neurotechnology group offers a permanent position for a research associate at a pioneering interface of research and teaching in different scientific disciplines. The group brings together staff with backgrounds in computer science, mathematics and computational neuroscience. Our research focuses on the development of algorithms for analyzing and classifying EEG data as well as algorithms for games and puzzles. Our expertise includes classical machine learning, deep
learning, Riemannian geometry, realistic neural networks and algorithmics.

The tasks include

- Supervising the measurement laboratories and conducting experimental scientific research on brain-computer interfaces
- Conception and implementation of courses

You can expect:

- A small, highly motivated, young and international team with collaboration in a personal atmosphere
- The opportunity to develop new research tasks in the field of neurotechnology and algorithms as part of a team
- Flexible working hours and location as well as good facilities
- Teaching tasks in a team
- The opportunity to offer your own courses
- Presentations of your research results at international conferences and publications in scientific journals
- Co-operations with international research groups
- Participation in the design of future research projects

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) and PhD in computer science, mathematics or a related field
- After completing the university degree, at least three years of academic or professional-practical work in a full-time employment relationship
- Sound knowledge in computer science, especially regarding algorithms required
- Experience in using versioning tools, e.g. Git
- Sound knowledge of data analysis of biological, multivariate time series, such as EEG signals is required
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills
- Experience in scientific work

Desirable:

- An independent working style
- The willingness and ability to work interdisciplinary in an international team
- Sound knowledge in one or more of the following areas is an advantage: algorithms for games and puzzles, Riemannian geometry
- Preference will be given to applicants with knowledge and extensive programming experience in the application of machine learning with Python
- Experience with other programming languages
- Experience in supervising student projects and teaching

Please send your application by e-mail to Prof. Dr. Blankertz (**neuro-tb-contact@win.tu-berlin.de**), quoting the **reference number** and enclosing the usual documents.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file.

Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ .

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät IV, Fachgebiet Neurotechnologie, Prof. Dr. Blankertz, Sekr. MAR 4-3, Marchstr. 23, 10587 Berlin

The vacancy is also available on the internet at
https://www.personalabteilung.tu-berlin.de/menue/jobs/

Zertifikat seit 2008
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