Technische Universität Berlin offers an open position:

**Research Assistant-PostDoc - salary grade E 13 TV-L Berliner Hochschulen**

part-time employment may be possible

**Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Neurotechnology**

Reference number: IV-232/20 (starting at 01/07/20 / for 5 years / closing date for applications 04/05/20)

**Working field:**
- independently conducting and assisting with teaching
- planning, conducting and analyzing EEG studies
- developing machine learning methods for single-trial analysis of EEG
- developing methods for estimating individual head models
- assisting in the acquisition of third-party funding; writing project reports and articles in journals
- presentations at international conferences
- cooperation with international partners

**Requirements:**
- Successfully completed university degree (Master, Diplom or equivalent) in Neurotechnology, Computational Neurosciences, Biomedical Data Analysis, Cognitive Neuroscience or related fields; Ph.D. with a topic in one of the above fields.
- experience in design, implementation and evaluation of EEG studies for decoding mental states
- expertise in neuroscience
- expertise in the analysis of brain signals with machine learning techniques (especially single-trial classification)
- experience in head modelling with Boundary Element Method (BEM), finite Element Method (FEM) and Finite Difference Method (FDM)
- good ability to work interdisciplinary in an international team (in particular, good written and spoken English skills)
- knowledge in electrical engineering: design and construction of small electronic devices (in connection with biomedical measurement devices)
- extensive programming experience in data analysis with Matlab and Python
- the ability to teach in both German and English is required

**Optional criteria**
- background in psychology
- in-depth knowledge of electrical engineering
- programming experience in Julia

Please send your **written** application with the **reference number** and the usual documents to Technische Universität Berlin - Der Präsident - Fakultät IV, Institut für Softwaretechnik und Theoretische Informatik, FG Neurotechnologie, Prof. Dr. Blankertz, Sekr. MAR 4-3, Marchstr. 23, 10587 Berlin or by e-mail to imke.weitkamp@tu-berlin.de.

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.

Please send copies only. Original documents will not be returned.

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