



Technische Universität Berlin offers an open position:

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

under the reserve that funds are granted - part-time employment may be possible

Faculty IV - Institute of Computer Engineering and Microelectronics / Remote Sensing Image Analysis Group

Reference number: IV-779/19 (starting at the earliest possible / limited until 31.12.2022 / closing date for applications 19/01/20)

Working field: The research of the PhD candidate will aim at developing innovative machine learning techniques (with a special focus on deep learning) for the analysis of big data from space.

The main topics include:

- 1) developing deep neural network models that can overcome the data imbalance problems for satellite image classification;
- 2) integration of the crowdsourced data (e.g., open street map tags) within deep neural network models for the extraction of image semantic information;
- 3) developing active learning methods that are applicable to the designed deep neural networks.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in Computer Science or Computer Engineering
- Experience in machine learning, data mining, deep learning
- Solid programming skills
- Good experience with at least one deep learning framework (tensorflow, caffe, pytorch)
- Excellent English oral and written communication skills; good command of German is required; willingness to extend the German language skills

Please send your **written** application with the **reference number** and the usual documents to Technische Universität Berlin - Der Präsident - **Fakultät IV, Institut für Technische Informatik und Mikroelektronik, FG Remote Sensing Image Analysis, Prof. Dr. Begum Demir, Sekr. E-N 5, Einsteinufer 17, 10587 Berlin** or by e-mail to jobs@rsim.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/>

