



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

## **Research Associate (PostDoc) - salary grade E 13 TV-L Berliner Hochschulen - for qualification**

part-time employment may be possible

**Faculty IV - Institute of Computer Engineering and Microelectronics / Robotic Interactive Perception**

**Reference number:** IV-228/25 (starting at 01/09/25 / for 5 years / closing date for applications 27/06/25)

### **Working field:**

The candidate will explore novel image processing-based algorithms that combine model-based and machine learning methods for robot perception (SLAM, 3D reconstruction, motion estimation, resampling of signals, etc.) with event cameras. The work combines the disciplines of robotics, perception and optimization. Teaching duties are performed.

### **Requirements:**

- Successfully completed university degree (Master, Diplom or equivalent) and PhD degree in Computer Science or related engineering field with excellent results
- Excellent knowledge and experience in computer vision, machine learning, state estimation and event cameras.
- Publications in high-level conferences on event cameras (such as ECCV, ICCV, CVPR) and JCR-Q1 journals (IEEE T-Robotics, IEEE T-PAMI).
- Programming experience with C++ and Python. Knowledge of the deep learning framework PyTorch, the robot operating system ROS, and experience in event camera data acquisition.
- The ability to teach in German and/or in English is required; willingness to acquire the missing language skills

For more information, please contact [guillermo.gallego@tu-berlin.de](mailto:guillermo.gallego@tu-berlin.de).

Please send your application including the **reference number** and supporting documents as one single PDF file to **[guillermo.gallego@tu-berlin.de](mailto:guillermo.gallego@tu-berlin.de)**.

- Cover Letter with your interest and experience related to the position (1 page).
- CV. Please include affiliation, skills, scientific publications, awards, research videos and/or code, professional profile(s).
- Bachelor's, Master's and PhD degrees and transcripts. Specify your GPA (e.g. 3.8/4.0)
- Two relevant co-authored event-camera publications.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee 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/](https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/) or quick access 214041.

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, Institut für Technische Informatik und Mikroelektronik, FG Robotic Interactive Perception, Prof. Dr. Guillermo Gallego, Sekr. MAR 5-5, Marchstr. 23, 10587 Berlin

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

