



The Chair of Ubiquitous Computing and Smart Systems, Institute of Computer Science, has a vacancy for a position within a third-party funded project (BMBF)

### Researcher (m/f/d) - application reference 54-E/2023

to be filled on a temporary basis.

**Pay grade:** Max. pay group 13 TV-L  
**Employment:** 1.0 FTE (part-time may be possible)  
**Time limit:** up to and including May 2024

#### Main tasks:

In the BMBF-funded SteigtUM project ([www.steigtum.de](http://www.steigtum.de)), we want to advance environmentally friendly mobility with partners from industry and other research institutions. To this end, we are developing a connected mobility and rental system comprising of e-cargo bikes and e-scooters that can also be booked and used intermodally in combination with public transport. At the Chair of Ubiquitous Computing and Smart Systems, the apps for managing and booking the vehicles are being developed and tested.

#### These are your tasks:

- Implementation, development and testing of the smartphone apps for the rental process and management of the vehicles
- Design, development and research of mobile applications to support the cycling experience
- Participation in the design and implementation of the distributed system for bicycle and booking management

The position allows for further scientific qualification (doctorate or post-doctoral research).

#### This is what you can expect from us:

- Working at a family-friendly university with flexible working hours and mobile work if necessary
- Remuneration according to the provisions of the collective agreement for the public service (TV-L) in accordance with personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management, discounted ticket for local public transport "Job-Ticket".
- Induction by experienced employees
- Individual development and training opportunities

#### Expected skills / knowledge and qualifications:

- Bachelor's or master's degree in computer science, applied computer science, media informatics, software engineering, or comparable courses of study
- Good programming skills: Knowledge of app development for iOS (Swift) or Android (Kotlin)
- Knowledge of working with embedded systems (e.g. RaspberryPI)
- Willingness to learn, test and apply new technologies
- Team skills
- Optional: Experience with user-centred design of interactive systems / human-computer interaction

**For further information, please contact Prof. Dr. Pfleging, tel. 03731 39-3939,  
e-mail: [Bastian.Pfleging@informatik.tu-freiberg.de](mailto:Bastian.Pfleging@informatik.tu-freiberg.de).**

Applicants (m/f/d) must meet the hiring requirements for the conclusion of employment contracts for a certain period of time in accordance with the WissZeitVG. Severely disabled or equivalent applicants (m/f/d) will be given preferential consideration in the event of equal suitability, performance and ability. For appropriate consideration, please enclose proof of severe disability/equality with your application documents. TU Bergakademie Freiberg aims to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women. Please send your application with the usual documents and the job reference number (54-E/2023) by 2023-04-05 preferably by e-mail to:

**[bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de) (or by mail to TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten 09596 Freiberg).**

Your application documents will not be returned, please submit copies only. Interview costs will not be covered.