

The Institute of Computer Science at TU Bergakademie is seeking to fill a position at the Ubiquitous Computing and Smart Systems Group for a



Research Associate – PhD Student or PostDoc (m/f/d) – application reference 231-E/2023

Pay grade: Pay group 13 TV-L
Employment: 1.0 FTE (40 hours/week; part-time possible if necessary)
Time limit: 36 months (extension possible)

We welcome applications from excellent candidates who would like to collaborate with us in the area of teaching and research on novel user interfaces and systems - especially in the mobility context.

Our research environment:

You will work in the Ubiquitous Computing & Smart Systems Group (Prof. Dr. Bastian Pfleging, <http://ubisys.org>). At the intersection of human-computer interaction and ubiquitous computing, we explore new human-centric technologies and user interfaces to help people work and interact with computer systems. Application areas include mobility/automotive, human-robot interaction, and mixed reality.

The research group is part of the Institute of Computer Science. Researchers at the institute study different computer science topics such as human-computer interaction, ubiquitous computing, robotics, software technology, mixed reality, multimedia, artificial intelligence, and databases.

These are your tasks:

- Conduct your own (guided) research, especially in preparation for a Ph.D. or habilitation
- Publication of research results at scientific conferences or in scientific journals
- Participation in (international) scientific conferences to present research results
- Support in the organization and implementation of scientific events
- Participation in teaching activities of the chair (especially tutorials, seminars, and supervision of final theses)
- Potentially: support in establishing and maintaining national and international cooperations (research and teaching) as well as in the acquisition of new projects

The position allows for further scientific qualification (doctorate or postdoctoral 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
- In Freiberg you will live in a dynamic small town with history and a historic city center, not far from Dresden and Chemnitz, with low housing costs compared to many other university cities

Expected skills / knowledge and qualifications:

- Diploma or Master's degree in Computer Science, Applied Computer Science, Human-Computer Interaction, Media Informatics, Software Engineering or comparable courses of study.
- Good programming skills (e.g., app development for iOS or web services, Python, C/C++/C#)
- Hardware prototyping skills are a plus
- Ideally experience in human-centered development and conducting user studies
- Experience with analysis of quantitative and qualitative data
- Written and verbal communication skills in both German and English
- Critical thinking, quality oriented and independent work
- Willingness to collaborate, learn, and teach courses

**For further information, please contact Prof. Dr. Pfleging, tel. 03731 39-3939,
e-mail: 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.

Application:

Applicants are requested to submit the following documents: a cover letter outlining the motivation to pursue further scientific qualification (PhD/postdoctoral research), a detailed CV with certificates and, if applicable, a description of research experience, and a short summary of their Master's thesis.

Interviews will begin **November 18, 2023** - but applications will be accepted until a hiring decision is made. Planned start date of employment: as soon as possible (2024-01-01).

Please send your application with the usual documents and the job **reference number (231-E/2023)** by **2023-11-13** preferably by **e-mail to:**

bewerbungen@tu-freiberg.de

(or TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg).

Interview costs will not be covered. TU Bergakademie Freiberg is always looking for scientific personnel from various disciplines. Further information can be found at <http://tu-freiberg.de>.