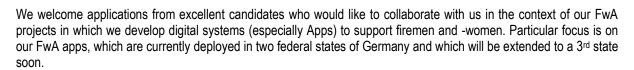The Institute of Computer Science at TU Bergakademie is seeking to fill two position at the Ubiquitous Computing and Smart Systems Group for a

Research Associate – (m/f/d) – application reference 22-E/2024

Pay grade:	max. 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 context of our FwA projects in which we develop digital systems (especially Apps) to support firemen and -women. Particular focus is on our FwA apps, which are currently deployed in two federal states of Germany and which will be extended to a 3rd state soon.

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 HCI for safety-relevant environments, 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 responsibilities:
- Development and investigation of novel features for the FwA Apps and server backend
- Conduct your own (guided) research in the context of digital support tools for fire brigades, especially in preparation for a Ph.D. or habilitation
- Close collaboration and exchange with clients (human-centered development of new functions) and interaction with end users (e.g., for training and support)
- Publication of research results at scientific conferences or in scientific journals

If personal requirements and interest are met, the positions enable further academic qualification.

This is what you can expect from us:
- Work in an internationally visible research group and in a dedicated, friendly and international team.
- Active supervision and support of your scientific development (towards doctorate/habilitation) and professional training
- Work at a family-friendly university with flexible working hours and hybrid work
- Remuneration according to the provisions of the collective agreement for the public service of the federal states in accordance with personal requirements (up to TV-L E13)
- Attractive fringe benefits (e.g. capital-forming benefits (VL), company pension scheme (VBL), health management, further training opportunities, discounted job ticket/Germany ticket)
- In Freiberg you will live in a dynamic small town with a historic city center, not far from Dresden and Chemnitz, with low housing costs compared to many other university towns.

Expected skills / knowledge and qualifications:
- Diploma or Bachelor's / Master's degree in Computer Science, Applied Computer Science, Human-Computer Interaction, Media Informatics, Software Engineering, Robotics or comparable courses of study.
- Good programming skills:
  Experiences regarding app development for iOS (Swift) or Android (Kotlin) or
  Experiences regarding web services and cloud backends (e.g, using PHP)
- Willingness to learn, test, and apply new technologies
- Written and verbal communication skills in both German and English
- Motivation to work as a team member, quality oriented and independent work

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 **February 25, 2024** - but applications will be accepted until a hiring decision is made. Planned start date of employment: as soon as possible (2024-03-15).

Please send your application with the usual documents and the job **reference number (22-E/2024)** 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.