

Barkhausen Institut gGmbH - Internet der Dinge



The Barkhausen Institute performs research on the latest hardware, software and communication technologies and demonstrates their application in tomorrow's society. Our goal is to build a flexible and trustworthy IoT platform based on reliable electronics and secure communication methods.

Research Associate: Joint Communications and Radar Sensing (m/f/d)

City: Dresden; Starting date (earliest): At the earliest possible; Remuneration: tbd;
Reference number: RA JC&R

Tasks

- Development of hardware demonstrators for joint communications and RF sensing
- Evaluation and design of physical-layer schemes and signal processing techniques for both communications and radar
- Participation in writing research publications and project deliverables

Requirements

- MSc/Diploma or PhD degree in areas related to our research focus (Electrical/Computer Engineering)
- Good communication and writing skills in English
- Experience in the development of experimental communications and/or radar testbeds
- Familiarity with lab measurement equipment
- Good programming skills, preferably in Python and C++
- Knowledge of wireless communications theory
- Basic understanding of RF transceiver building blocks
- Knowledge of signal processing for radar and/or communications

You are interested, but you don't think you meet all the requirements of the job posting? Then you should know: We don't hire resumes, we hire people. We are looking for potential and want to actively foster it. That's why we encourage you to apply!

What we offer

- An open and creative team
- Agile working hours and workflows
- Cross-disciplinary projects
- Work on future technologies
- Flat hierarchies for your ideas and flexible teams
- Our remuneration is based on the collective agreement for the federal states. If you meet all the professional requirements (diploma/master's degree or

doctorate), this position is classified as TV-L E 13. Depending on your professional experience, the basic monthly salary ranges between €4.759,37 and €6.764,69. We will be happy to provide more details during the interview.

If you have passion for new technologies and the desire to develop the connected world of tomorrow with us, we are looking for you.

Life and science are compatible at our institute. We offer a range of recognised family-friendly measures, such as part-time work, mobile working and flexible working hours that take family needs into account.

Application

Your application should include: motivation letter, CV, copy of university degree certificate, short summary of Master/PhD thesis.

Applications from women are particularly welcome. Complete applications should be submitted by e-mail as a single PDF document to careers@barkhauseninstitut.org. Please reference "RA JC&R" in the subject line. Applications that contain other file formats (e.g. Word, Excel) will not be considered in the selection process. Informal inquiries can also be submitted to the same address.

The data submitted by you in the course of the application procedure will be processed by the Barkhausen Institut (BI). BI shall use the data for the purposes of the application procedure. No data shall be passed on to third parties.

More information at <https://stellenticket.de/204996/TUD/>
Offer visible until 17/07/26

