Barkhausen Institut gGmbH - Internet of things

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.

Researcher Associate – mmWave Antenna Design

City: Dresden; Starting Date: At the earliest possible; Remuneration: Remuneration is dependent on degree and suitable work experience.; Reference number: RFCS-2022

Antenna Working field
Your responsibilities will include
• (Primary) Design, facilitate fabrication, and characterize innovative antenna systems at mmWave frequencies (60 GHz and above)
• Apply meta surface concepts towards the antenna design
• Integrate such antennas with front-end modules towards emerging applications (e.g., Joint Communication and Sensing)

Requirements
Your profile
• Above-average Diploma/MSc or PhD (preferred) degrees in areas related to our research focus (Electrical//Electronic Engineering) from renowned universities
• Good communication and writing skills in English
• An integrative and cooperative personality with excellent communication and social skills
• Strong technical knowledge and preferably research experience in RF passive circuit (e.g., antenna arrays, couplers, power splitters) design, development and characterization in standard substrates
• Prior experience with 3D EM simulation tools

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

What we provide

• An open and creative team of enthusiastic scientists
• Agile working hours and workflows
• Cross-disciplinary projects
• Work on future technologies
• Flat hierarchies for your ideas and flexible teams

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 recognized family-friendly measures, such as part-time work, mobile working and flexible working hours that take family needs into account.

Application

Application Procedure: Your application should include: motivation letter, CV, copy of university degree certificate and related grades, 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 RFCS-2022 in the subject line. Informal inquiries can also be submitted to the same address. 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/157958/DDC/
Offer visible until 24/12/22