The Brandenburg University of Technology Cottbus-Senftenberg (BTU) is a young, up-and-coming university and the only technical university in the state of Brandenburg. With more than 1,500 employees, the BTU is one of the largest employers in Lusatia and offers excellent combability of work and family.

In the Faculty 1 MINT - Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology in the Department of Electronic Systems and Sensors the following position is available in Cottbus as soon as possible:

**Academic Staff Member (m/f/d) (Qualification position)**

temporary for the duration of 4 years, full-time, E13 TV-L

**Reference Number: 07/22**

The department is represented in teaching both in the basic area and with in-depth and special lectures in the master's program of several degree programs. This research-oriented teaching within the university profile takes place in lectures, exercises and in-depth laboratories. The research work of the department is divided into the areas of Electronic Systems, Sensors, Communication Systems, and Measurement & Modeling. All research topics are carried out with a strong practical focus. New solutions are mostly implemented in hardware demonstrators and validated and demonstrated in the measurement laboratory of the department. Basic topics are investigated as well as application-oriented questions. The department has a strong relationship to national and international partners from industry and research.

**These are your responsibilities:**

**Collaboration in teaching, including:**
- Participation in the fulfillment of the teaching tasks of the department according to content and methodological requirements for the courses of study (Bachelor and Master) Electrical Engineering, Mechanical Engineering, Industrial Engineering and other thematically related courses of study.
- Teaching of specialized knowledge, practical skills and instruction in the application of scientific methods
- Preparation, implementation, follow-up and evaluation of exercises and practical courses
- Assistance in the preparation of lectures and seminars as well as other teaching-related administrative tasks
- Development and updating of teaching materials, aids and task collections
- Preparation, execution and evaluation of oral and written examinations
- Participation in the supervision of student research projects and theses.

**Research Work:**
- Scientific work within the scope of the research focus of the department, especially in the field of radar sensor technology for industrial and automotive applications
- Collaboration in the preparation and implementation of third-party funded projects (EU, BMBF, BMWi, DFG, industrial projects)
- Publication activities on the research subject, preparation of contributions for reports and presentations
- Own in-depth scientific work in preparation and execution of a doctoral thesis
- As well as other research-related administrative tasks
Your Skills:
You have successfully completed a scientific university degree within the meaning of the pay scale for TV-L (accredited master's degree / university diploma / equivalent) in a field relevant to the job (electrical engineering, information technology, communications technology or comparable). You have experience in design, manufacturing and test of high-frequency and mixed-signal circuits and systems and have very good knowledge in MATLAB or PYTHON for applications in signal processing and good knowledge in programming in C or C++.

Personally, you also bring the ability to work scientifically, independence, flexibility and good communication skills.

Our Offer:
The BTU offers you excellent conditions for your scientific qualification and research. Our scientists benefit from flexible working hours (trust-based working hours), home office options, and active health management.

For further information about the vacant position, please contact Prof. Dr.-Ing. Markus Gardill (e-mail: markus.gardill@b-tu.de, phone: +49 (0)355 69-3410).

The BTU Cottbus-Senftenberg is committed to equal opportunities and diversity and strives for a balanced gender ratio in all employee groups. Persons with a severe disability as well as persons of equal status will be given priority in the case of equal suitability. The BTU aims to increase the proportion of women in research and teaching and therefore strongly encourages qualified female applicants to apply.

The submission of application photos is not required.

Please note the more detailed information on the selection process on the BTU Cottbus-Senftenberg website.

Please send your application documents quoting the reference number exclusively by e-mail, in a single PDF document to the Dean of Faculty 1 MINT - Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology, Brandenburg University of Technology Cottbus-Senftenberg, E-Mail fakultaet1+bewerbungen@b-tu.de by 28.02.2022.