At the Brandenburg University of Technology Cottbus-Senftenberg, in the Faculty of STEM - Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology in the Department of Computer Engineering in Cottbus, the following position is available as of the next possible date as part of a third-party funded research project:

Academic Staff (m/f/d)
Full-time, E 13 TV-L, limited until 31.12.2024

Reference number: 29/22

The Department of Computer Engineering at the Brandenburg University of Technology Cottbus-Senftenberg is engaged in research and teaching on the conception, architecture and realisation of energy-efficient computing systems. The main areas of research are:

- Development of new methods and techniques for the conception and realisation of heterogeneous computer architectures, in particular using reconfigurable logic components and microcontrollers.
- Design of novel processors using non-volatile memory technologies (RRAMs)
- Development of modern methods and frameworks for the design of energy-efficient embedded computing systems and their programming.

Our research approaches are used in diverse applications such as modern industrial processes (including predictive maintenance), fast data transmission (5G), health applications (wearable sensors for diagnostics) and for fast signal processing (optical, radar) using artificial intelligence.

These are your tasks:
- Scientific work within the scope of the research focus of the department, in particular cooperation in the preparation and implementation of the third-party funded project: "5G Forest Guard".
- Lecturing and publishing on the research topic
- Preparation of contributions for reports and presentations
- Other research-related administrative tasks

What you bring with you:

You have successfully completed a scientific university degree (accredited Master's degree / university diploma / equivalent) in a scientific field relevant to the position. (e.g. computer science, electrical engineering or comparable).

You also bring with you the ability to work scientifically, independence, flexibility and good communication skills. With the ability to think analytically and to work diligently and conscientiously, you are an ideal addition to our interdisciplinary team.
For further information about the vacant position, please contact Dr.-Ing. Marc Reichenbach (e-mail: marc.reichenbach@b-tu.de, Tel.: +49 (0)355 / 69-2026).

We offer you:

You can expect exciting and varied tasks in a highly innovative research project with several partners. There are extensive opportunities for flexible working hours, such as home office, to enable a better work-life balance and to achieve higher work and result satisfaction through more self-responsibility in the design and execution of your work.

Become a part of the BTU family. We look forward to getting to know you.

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 and their equals are 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.

Application photos are not required.

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

Please send applications, quoting the reference number, by 10.03.2022 exclusively by e-mail in PDF format to the Head of the Department of Computer Engineering, Dr.-Ing. Marc Reichenbach, Brandenburg University of Technology Cottbus-Senftenberg, e-mail: marc.reichenbach@b-tu.de