Dresden University of Technology

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Electrical and Computer Engineering, Institute of Circuits and Systems**, the **Chair of Biomedical Electronics** offers a position as

Research Associate / PhD Student / Postdoc (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible** and limited to 3 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position aims at obtaining further academic qualification (usually PhD).

Tasks:

- scientific research and teaching activities in the field of integrated microelectronics with a special focus on biomedical applications
- research on biomedical sensor applications (biomedical sensor interfaces/ integrated mechanical strain sensors)
- Analog/Mixed-Signal Integrated Circuit Design (CMOS, low-power, low-noise design)
- publication of research results in international journals and at international conferences
- supervision of student projects and diploma theses

Requirements:

- above-average university degree in the field of microelectronics (analog/mixed-signal design) or related areas
- ability and willingness to work independently, conceptually in a team
- interest in research and scientific work as well as practice-oriented, interdisciplinary collaboration with cooperation partners
- fluency in English and German – written and oral
- knowledge in the field of biomedical electronics/sensors is an advantage

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents quoting the reference number **„w25-353“** by **January 7, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via email by sending it as a single pdf file to **grp-sekretariat.bme@msx.tu-dresden.de** (Please note: We are currently not able to receive electronically signed and encrypted data.) or to:

TU Dresden, Chair of Biomedical Electronics, Prof. Dr.-Ing. Andreas Bahr Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.