



Technische Universität Berlin



Research Assistant - salary grade E 13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty IV - Electrical Engineering and Computer Science, Faculty IV - Institute of Energy and Automation Technology / Sensor and Actuator Systems

Reference number: IV-275/25 (starting at the earliest possible / limited until 31/05/2027 / closing date for applications 12/09/25)

Your responsibility:

Design of so-called Root-of-Trust elements (circuits for security applications), among these circuits for the generation of Physically Unclonable Functions (PUFs) and true random number generators (TRNGs), using a 130 nm and optionally further CMOS technologies. After fabrication experimental characterization and evaluation of their performance.

Your profile:

- successfully completed scientific university degree (Master, Diploma or equivalent) in electrical engineering, computer engineering or a comparable study programme
- experience concerning the design of Integrated Circuits
- background concerning the use of design software for Integrated Circuits
- good knowledge of German and/or English required; willingness to acquire the respective missing language skills
- experience concerning the use of layout software for Integrated Circuits is an advantage
- background concerning the application of metrics to evaluate Root-of-Trust elements is desirable

How to apply:

Please send your application with the usual documents (in a PDF document, max. 5 MB) exclusively by e-mail to **sekretariat@se.tu-berlin.de**, quoting the **reference number**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

