Technische Universität Berlin

Research Assistant - salary grade E 13 TV-L Berliner Hochschulen
part-time employment may be possible; under the reserve that funds are granted

Faculty IV - Electrical Engineering and Computer Science, Institute of Software Engineering and Theoretical Computer Science / Security in Telecommunications
Reference number: IV-367/25 (starting at 01/10/25 / until 30/06/27 / closing date for applications 26/09/25)

Your responsibility:

Research as part of a project on the cryptanalysis of post-quantum cryptographic schemes, such as Kyber, Dilithium, and McEliece. The security of the implemented schemes will be analyzed with respect to side-channel and fault attacks. This includes examining both hardware-related and algorithmic-analytical aspects, including defensive techniques. The project also involves the technical and organizational coordination with project partners. The position offers the opportunity to pursue a PhD.

Your profile:

- Successfully completed academic degree (Master, Diplom, or equivalent) in Computer Science, Computer Engineering, Electrical Engineering, or a related field
- Outstanding initial academic achievements (e.g., publications)
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills (the official project language is German)
- Enthusiasm for cutting-edge research, creativity, and strong teamwork skills desirable
- Advanced knowledge in the areas of hardware security, algorithms, and/or (post- quantum cryptography desirable

How to apply:

Please send your written application, quoting the **reference number**, with the usual application documents by e-mail (one PDF file, max. 5 MB) to: **secretary@sect.tu-berlin.de**.

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

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audit familiengerechte
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