



Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,600 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The Faculty of **Computer Science, Electrical Engineering and Mathematics** - in the field of Secure Software Engineering is looking to fill a position for a

Post-doctoral Research Assistant

(salary level E14 TV-L)

with 100 % of the regular working time. This is a qualification position within the meaning of the Wissenschaftszeitvertragsgesetz (WissZeitVG), which is being filled to promote qualification in the field of Secure Software Engineering. The position is initially limited to three years; an extension is possible in principle.

The Secure Software Engineering group develops methods and tools to make tomorrow's hardware and software systems functional, fail-safe and attack-proof. The research is carried out in an applied manner, in cooperation with renowned international partners from science, politics and business. One focus of the group is the design of automated procedures to detect software vulnerabilities. Some of the software tools developed at the group are used by hundreds of research groups and companies worldwide.

The group is embedded in an interdisciplinary research landscape, with connections to the Paderborn Fraunhofer Institute for Mechatronics Design (IEM), the DFG Collaborative Research Centre 901 *On-the-fly computing*, a NRW Research Training Group and the *it's owl* leading-edge cluster.

We are looking for scientists with a completed doctorate degree in the fields of IT security, software engineering or programming languages who would like to further qualify themselves for a career in academic or industrial research. For this further qualification, we offer diverse opportunities, also accompanied by professional coaches, in the area of research, teaching and academic self-administration. Applicants should be interested in supporting doctoral students in their scientific work and in further developing their own teaching skills.

Your responsibilities:

- Cooperation with doctoral students regarding their doctoral research
- Further development of own research and teaching as well as that of the subject area with a teaching obligation of usually 4 SWS
- Collaboration in the design and formulation of scientific funding proposals
- Conducting additional assigned tasks in independent research and project management

What we require of applicants:

- Completed doctorate in the fields of software engineering, programming languages or IT security
- Several relevant publications at renowned international conferences or specialist journals
- Very good knowledge of written and spoken German or English

Paderborn University is striving to increase the proportion of women and therefore encourages qualified female academics and researchers to apply. Female applicants with equal qualifications, skills, and achievements in the field will be given preferential consideration according to North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are cogent reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Applications including cover letter, curriculum vitae, list of publications and contact details of at least two references are requested by e-mail under the **reference number 5184** to the address below:

se-jobs.cs@upb.de

Information regarding the processing of your person data can be located at: <https://www.uni-paderborn.de/zv/personaldatenschutz>.

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