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 Department of Computer Science – part of the Faculty of Computer Science, Electrical Engineering and Mathematics – is seeking to further extend its research focus area on Software Engineering with a

**Junior Professor – W1 (f/m/d) in Software Resilience**

With four established full professorships in the area of software engineering, the Institute of Computer Science already has a nationally unique and also internationally widely visible focus in this area. The W1 professorship advertised here is intended to give a junior researcher the opportunity to help shape this focus and thus promote his or her own career in this excellent research environment.

Successful applicants should have a proven, outstanding track record in at least one of the following areas: improving or evaluating the resilience and robustness of software systems, architectures and design methods for resilient software systems, automated program analysis for evaluating (attack) resilience, scalable software performance, runtime monitoring, attack detection and defense, graceful degradation. Exceptional candidates in areas of software engineering beyond resilience will be considered at the committee's discretion.

The recruitment is made in civil service for initially three years. After a positive evaluation the employment will be extended for further three years. A continuation in a permanent employment relationship (“tenure track”) is not planned.

We expect the willingness and interest to cooperate among the research groups of this topic area, with research groups of the strategic focus data science and security, as well as with other groups within and outside of the Department.

Applicants should have demonstrated their scientific excellence by publications in internationally leading conferences or journals of software engineering. Experience in obtaining and executing third party-funded projects is a plus. We also expect readiness and willingness to prepare large-scale, interdisciplinary research proposals and the ability to cooperate with existing research institutions. To this end, Paderborn University offers an excellent environment, e.g., the opportunity to collaborate with institutions like the SICP – Software Innovation Campus Paderborn, the Paderborn Institute for Data Science and Scientific Computing (DaSCo), or the Paderborn Center for Parallel Computing (PC²), as well as the Heinz Nixdorf Institute (HNI) or the Fraunhofer Institute for Mechatronic Systems Design (IEM).

We also expect readiness to cooperate across disciplines, relevant teaching experience, and the ability to teach in English and German (at least, mid-term).

**Hiring requirements:** § 36 Abs. 1 Ziff. 1-3 HG NRW – University law of the State of NRW (completed university degree, pedagogical aptitude).

Since Paderborn University seeks to increase the number of female professors, applications of women are especially welcome. In case of equal qualification and scientific achievements, they will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Policy (LGG), unless there are cogent reasons to give preference to another applicant. Likewise, applications of disabled people with appropriate qualification are explicitly requested. This also applies to people with equal status according to the German social law SGB IX.

For further information, please contact the Head of Department of Computer Science at Paderborn University, Prof. Dr. Christian Scheideler (eim-i-prodekan@uni-paderborn.de).

Applications with common material, including a research and teaching plan, must be received by 24.11.2022 with the reference number 5516 online via the application portal of the University of Paderborn: https://bewerbung.uni-paderborn.de/stellen/5516.

Information on the processing of your personal data can be found at: https://www.uni-paderborn.de/zv/personaldatenschutz.