



Paderborn University is a high-performance and internationally oriented university with approximately 18,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of 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 at the Heinz Nixdorf Institute is looking to fill up a position in the field of **Software Engineering** as

Research Associate (f/m/d)

(Pay scale E 13 TV-L)

This is a full-time position, which is available immediately for a fixed term of three years, in order to develop scientific competences and to prepare a doctoral dissertation (according to the Law "Wissenschaftszeitvertragsgesetz" (WissZeitVG)) in the field of software engineering. An extension of the contract is generally possible within the limits set by the "WissZeitVG" law.

The Software Resilience group is a new research group, which aims to develop approaches that improve the quality of software systems. We conduct empirical research, develop and evaluate methods with software engineers in practice. Furthermore, we care about the soundness of research methods, and the usefulness of research results to software engineers.

The group is embedded in an interdisciplinary research landscape, with connections to the Paderborn Fraunhofer Institute for Mechatronics Design (IEM), and the Heinz Nixdorf Institute with interdisciplinary research that involves hardware and software systems, politics and economy.

We are looking for a scientist who wants to make an important contribution to improve the quality of software systems. Concrete research topics include, but are not limited to: software architecture, software maintenance, mining software repositories, and artificial intelligence for software engineering.

Scope of work:

- Collaboration in research and teaching (usually 4 hours per week) in the area of Software Engineering
- If applicable, collaboration in third-party funded research projects of the department
- Organisation of teaching-courses in the field

Hiring requirements:

- Very good scientific Master's degree in computer science, mathematics, engineering or a related field
- Knowledge or experience in topics related to artificial intelligence and natural language processing is of advantage.
- Very good knowledge of written and spoken German or English, and if necessary, the willingness to learn German

We offer:

- Exciting, highly relevant research topics with direct transfer into practice
- Collegial environment with many creative opportunities

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Part-time employment is generally possible. Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply.

For questions, please contact Jun.-Prof. Dr Mohamed Soliman (mohamed.soliman@uni-paderborn.de). Please send your application (including a cover letter, your CV, diplomas, transcripts, and contact details of at least two referees) preferably by email with the **reference number 6367: mohamed.soliman@uni-paderborn.de**.

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

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