

Paderborn University is a high-performance and internationally oriented university. 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 employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Computer Science, Electrical Engineering and Mathematics** at the **Department of Computer Science – Research Group Computer Systems** – the following position is to be filled from October 01st, 2026

Research Assistant (f/m/d)

(Salary level according to 13 TV-L)

with 100 % of the regular working hours. This is a qualification position within the meaning of the German Act on Fixed-Term Research Employment Contracts for Academic Staff (Wissenschaftszeitvertragsgesetz "WissZeitVG"), which serves to promote a doctoral procedure or further academic qualification during the postdoctoral phase. The position is, depending on the qualification achieved to date, initially limited for a period of three years. An extension is possible within the time limits of the "WissZeitVG".

The research group led by Prof. Dr.-Ing. Kuan-Hsun Chen investigates system software for memory-centric computing. Possible research directions include operating-system and runtime support for emerging and heterogeneous memory technologies, compiler-runtime interfaces, memory management and data placement, and cross-layer optimization across software and computer architecture. In a collaborative research environment, you will have the opportunity to address timely systems research problems and contribute to new concepts, methods, and software prototypes. The concrete research direction will be jointly defined based on your interests and background.

Duties and responsibilities:

- Research in the group's topic area, in particular on system software for memory-centric computing and the effective use of emerging and heterogeneous memory technologies
- Publication, presentation, and transfer of research results
- Teaching duties usually amounting to 4 teaching hours (SWS) per week

Recruitment requirements:

- Scientific university degree (Master or equivalent) in Computer Science, Computer Engineering, Mathematics, or a closely related discipline
- Ph.D (for the postdoctoral position)
- Very good command of written and spoken English
- Good German language skills are highly desirable, particularly for participation in teaching
- Knowledge in one or more areas relevant to memory-centric computing, such as operating systems, runtime systems, memory systems, compiler technologies, computer architecture, performance analysis, optimization, or parallel computing

Ideally, you already possess knowledge or practical experience in one or more of the areas of operating systems, runtime systems, memory systems, compiler technologies, computer architecture, performance analysis, optimization, or parallel computing, together with a strong interest in cross-layer systems research, strong analytical skills, and solid programming skills, particularly in C or C++.

We offer:

- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and development
- Additional benefits in accordance with the collective agreement of the federal states (TV-L), such as annual bonuses and capital-forming benefits as well as the VBL supplementary pension scheme

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant 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.

Please send your application documents (preferably in a single pdf file) using the **Ref. No. 7387** until **September 30, 2026** to eim-i-gs@uni-paderborn.de.

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

Prof. Dr. Axel-Cyrille Ngonga Ngomo
Vice Dean Computer Science
Faculty of Computer Science, Electrical Engineering and Mathematics
Paderborn University
Warburger Str. 100
33098 Paderborn



HR EXCELLENCE IN RESEARCH

