

Hier  
entsteht  
Zukunft!



UNIVERSITÄT  
DES  
SAARLANDES

Foto: Oliver Dietze



Saarland University is a campus university with an international reputation for research excellence, particularly in computer science and in the life sciences and nanosciences. The university is also distinguished by its close ties to France and its strong European focus. Around 17,000 students, studying over one hundred different academic disciplines, are currently enrolled at Saarland University. Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4000 it is one of the largest employers in the region.

The Center for Scientific and High-Performance Computing (CSHPC) is inviting applications for the following position commencing **at the earliest opportunity**.

## Academic research assistant (m/f/x)

**Reference number W2786**, salary in accordance with the German TV-L salary scale<sup>1</sup>, pay grade: E13 TV- L, duration of employment: End of 2031 with the aim of making the position permanent, volume of employment: 100 % of standard working time.

### Workplace/Department:

The newly founded Center for Scientific and High-Performance Computing (CSHPC) will serve as a central scientific institution offering high-performance computers and related services to all departments at Saarland University and will represent the university in the German national high-performance computing initiative (NHR). The focus of this position will be on providing scientific advice and support to research groups in the NHR and at Saarland University on the efficient use and further development of modern parallel programming languages and HPC technologies. This includes the analysis and optimization of parallel algorithms, the evaluation and selection of suitable programming models and languages, and the development and implementation of best practice methods for scalable software architectures. The scope of duties also includes close collaboration with scientific partners, conducting workshops and training courses, establishing an independent research program, and participating in and strategically developing the HPC infrastructure at Saarland University.

### Job requirements and responsibilities:

- Planning and conducting seminars on HPC programming languages and HPC compiler techniques (e.g., MPI, OpenMP, CUDA, OpenACC, SYCL, Triton, LLVM & MLIR) for the NHR
- Contact person for questions about programming languages and compiler techniques and their use in HPC
- Applying for and conducting research projects with working groups at Saarland University and external partners in the NHR

<sup>1</sup> TV-L = collective agreement on remuneration of public sector employees in the German *Länder*

- Independent research on topics related to parallel programming, compiler techniques, performance optimization, HPC architectures, or software tools for high-performance computing
- Publishing your research results in scientific journals and conference proceedings
- Ensuring the availability, stability, and performance of HPC systems at Saarland University
- Maintenance and further development of the HPC software stack, including compilers, libraries, batch systems (e.g., SLURM), and development tools

#### **Your academic qualifications:**

- Completed university studies in computer science or a related subject area, preferably followed by a successful doctorate
- Language skills (according to GER): English C2

#### **The successful candidate will also be expected to:**

- Very good knowledge of HPC technologies, parallel programming and/or programming languages, and benchmarking
- Experience with the administration of Linux-based systems, ideally also HPC infrastructures
- Independent, structured way of working
- Strong communication skills and service orientation
- Ability to work in a team and willingness to collaborate across disciplines
- Experience in scientific work, preferably demonstrated by scientific publications
- Language skills (according to GER): German C1

#### **What we can offer you:**

- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Secure and future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket Plus' of the saarVV)

We look forward to receiving your **meaningful online application** (in a PDF file) by **16.02.2026** to **administration@cs.uni-saarland.de**. Please include the reference number **W2786** in the subject line of the e-mail.

If you have any **questions**, please contact us for assistance. Your contact:

Herr Erich Reindel

Executive Computer Science Department

Tel.: +49 681 302 58091; Email: [administration@cs.uni-saarland.de](mailto:administration@cs.uni-saarland.de)

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.

If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at <https://www.kmk.org/zeugnisbewertung>.

Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. [Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung](#). By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.