Saarland University is a campus university with an international focus and a strong research profile characterized by the four main research areas 'Computer Science', 'BioMed', 'Europe' and 'Sustainability'. With numerous internationally respected research institutes situated in the vicinity of the university and dedicated support for start-up companies, Saarland University is an ideal environment for research, teaching, and innovation. The proportion of international students studying at Saarland University is well above the national average and is testimony to the university's strong international focus. Saarland University has been an officially certified family-friendly university since 2004.

Numerous research institutes are situated on campus, such as the two Max Planck Institutes for Informatics as well as for Software Systems, the German Research Center for Artificial Intelligence (DFKI), the Helmholtz institute for Pharmaceutical Research Saarland (HIPS), the CISPA Helmholtz Center for Information Security (CISPA). The systematic promotion of collaborative projects with these institutes makes Saarland University an ideal environment for innovation and technology transfer. Internationally renowned for its excellence, computer science is one of the core research areas of the university. With its 800 researchers and more than 2000 students from 81 countries, Saarland Informatics Campus (SIC) belongs to one of the leading locations for computer science in Germany and in Europe. All areas of computer science are covered at five globally renowned research institutes and three collaborating university departments that offer a total of 24 academic programmes.

To further strengthen this excellence in research and teaching, the Department for Computer Science seeks to hire a

Professor (W3) in High-Performance Computing

(m/f/x; Reference no.: W2627)

This call is aimed at outstanding researchers that have internationally recognized expertise in their field and have significant experience in building up and managing HPC centres at universities. The successful candidate is expected to lead innovative research and contribute to advancing HPC methodologies, architectures, and applications. Furthermore, they are expected to implement HPC in large, interdisciplinary research initiatives at Saarland University. They will have the opportunity to shape and lead Saarland University's HPC strategy and will be responsible for overseeing the development, management, and strategic enhancement of Saarland University's HPC cluster and administration team, ensuring that it meets the needs of a diverse range of research activities across disciplines.

The position includes teaching responsibilities within the Department of Computer Science that are significantly reduced due to the responsibilities outlined above.

The ideal candidate's research profile covers innovative research on high-performance computing systems such as interconnects or storage systems, ideally with an emphasis on algorithmic aspects.

The appointment will be made in accordance with the general provisions of German public sector employment law. Candidates must have experience in and an aptitude for academic teaching. They will have a PhD or doctorate in an appropriate subject and will have demonstrated a particular capacity for independent academic research, typically by having obtained an advanced, post-doctoral research degree (*Habilitation*) or by having published an equivalent volume of peer-reviewed research or by having successfully completed the interim evaluation of a junior professorship or by having obtained an equivalent position.

At Saarland University, we view internationalization as a process spanning all aspects of university life. We therefore expect members of our professorial staff to engage in activities that promote and foster further internationalization.

In accordance with the objectives of its gender equality plan, Saarland University is actively seeking to increase the proportion of women in this field. Qualified women candidates are therefore strongly encouraged to apply. Preferential consideration will be given to applications from disabled candidates of equal eligibility. Furthermore, we welcome applications from all qualified candidates irrespective of nationality, ethnic heritage or social background, religious beliefs, personal beliefs or values, age, sexual orientation, or identity.

To apply for this position, please submit your application by no later than **25 April 2025** via Saarland University's online professorial appointments platform: **www.uni-saarland.de/berufungen**. Please fill out the online application form and upload your application documents as a single PDF file (max. size 10 MB) including the following documents:

- curriculum vitae (including phone number and email address)
- a full list of publications
- a research and teaching statement
- a concept paper detailing the set up and management of a future HPC centre in Saarbrücken (max two pages)
- copies of your degree certificates
- full-text copies of your five most important publications
- a list of 3-5 academic references (including email addresses), at least one of whom must be a person who is outside the group of your current or former supervisors or colleagues.
- Confirmation/proof of severe disability, if you have indicated a severe disability in the application form
- If available: Proof of equivalence of the foreign university degree from the Central Office for Foreign Education (ZAB; does not apply to university degrees in Germany). If the proof has not yet been requested at the time of application, it must be submitted later upon request.

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 General Data Protection Regulation (GDPR) (www.uni-saarland.de/en/privacy). By submitting your application, you confirm that you have taken note of the information in the Saarland University privacy notice.