University of Stuttgart
Germany

H L R S

The High-Performance Computing Centre Stuttgart (HLRS) was founded as Germany's first federal high-performance computing (HPC) centre. It operates one of the fastest supercomputers in the world. It offers various HPC solutions and services for universities, research institutions, and industry. Furthermore, HLRS is a worldwide leader in engineering and global system sciences. Staff scientists at HLRS investigate emerging technologies such as Artificial Intelligence (AI), Cloud Computing, and Quantum Computing (QC) towards realising hybrid workflows and lowering the hurdle for non-experts using HPC technologies. In this context, HLRS is significantly involved in international and national research projects across the abovementioned research areas.
As part of this effort, HLRS coordinates the FFplus project, a European initiative designed to drive the adoption of High-Performance Computing (HPC) by SMEs and start-ups across Europe.

Driving SME and Startup Innovation through HPC and Generative AI

FFplus aims to highlight and promote the adoption of High-Performance Computing (HPC) by SMEs and start-ups across Europe. This will enable them to solve business challenges through computational methods and leverage supercomputing resources to develop generative AI solutions. More specifically, FFplus supports European SMEs and start-ups through six Open Calls during the project's duration (2024-2028). These calls fund business experiments that help companies integrate HPC into their workflows for the first time and innovation studies for SMEs already engaged in generative AI but requiring large-scale computational resources to scale up (e.g., available and future EuroHPC JU supercomputers such as LUMI or HammerHAI). FFplus fosters industrial innovation and strengthens European competitiveness in AI and HPC by offering direct funding and technical support.
Building on previous Fortissimo projects, FFplus continues the mission of overcoming barriers to HPC adoption by SMEs. European companies will access state-of-the-art computing capabilities through this initiative, helping them innovate, optimize processes, and create cutting-edge AI-driven products and services.
HLRS, as the coordinator of FFplus, is seeking a highly motivated individual to join our team and contribute to this exciting initiative at the intersection of AI and HPC.

Innovation Manager — HPC and Generative AI

We are looking for a motivated individual to coordinate the innovation studies within the FFplus project on behalf of HLRS. The selected candidate will set up meetings between relevant stakeholders, monitor and track the progress of the innovation studies, and act as the first contact point for SMEs and start-ups when questions arise. This role requires a strong understanding of AI, specifically generative AI algorithms and best practices, to effectively assess the needs of stakeholders and evaluate the experiments conducted. The ideal candidate will have the ability to facilitate collaboration, ensure timely progress, and support the adoption of HPC for AI-driven innovation in SMEs and start-ups.
Please note that this position does not involve software development or implementing individual technical solutions.

In this context, we are looking for a

Innovation Manager — HPC and Generative AI
(m/f/d, up to TV-L 13, 100%)
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to work on FFplus and the coordination of the innovation studies.

This is a temporary position. Employment is limited in accordance with the legal regulations to the project's duration, scheduled to run until end of April 2028. The salary for this position is based on your personal qualifications up to the level of TV-L 13.

Your Responsibilities

- Engage with stakeholders to understand their business and technical needs in relation to generative AI and HPC and provide guidance accordingly.
- Coordinate and oversee the progress of innovation studies, ensuring milestones, success stories, and reports are met on time.
- Act as the primary point of contact for SMEs and start-ups participating in the innovation studies, addressing their questions and guiding them through the process (e.g., supporting them in applying for HPC resources at EuroHPC JU supercomputers).
- Organize and facilitate meetings between relevant stakeholders, including industry representatives, and researchers, to ensure alignment and progress in the studies.
- Track, document, and report on the outcomes of innovation studies, providing insights into their success and areas for improvement.
- Identify and resolve potential issues that may arise during the execution of innovation studies, working closely with project partners.
- Contribute to preparing reports, presentations, and publications that showcase the impact of FFplus innovation studies on SMEs and start-ups.
- Support the dissemination and promotion of best practices in generative AI and HPC adoption across European SMEs.

Your Profile

- A degree (Bachelor's or Master's) in computer science, computational sciences, engineering, or a related field.
- Strong understanding of AI, machine learning, or deep learning.
- Familiarity with AI/ML tools such as PyTorch or Tensorflow and containerization tools (e.g., Docker) is advantageous.
- Exposure to HPC environments, including parallel computing frameworks (e.g., MPI, OpenMP) is a plus.
- Proven coordination and project management skills.
- Excellent technical communication skills, both written and verbal, for collaborating with internal and external stakeholders.
- Ability to work in a collaborative, interdisciplinary environment with technical and non-technical stakeholders.
- Problem-solving mindset with the ability to address and resolve issues effectively.
- You are fluent in English, both written and spoken.

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What We Offer

- A professional working environment in a friendly, highly motivated and collaborative international team.
- Flexible working hours with a flexitime model and the possibility of compensating for time off in addition to the regular 30 days of vacation.
- Flexible work hours with currently up to 60% home office (upon request).
- Attractive social benefits of the public service.
- Subsidy of €25 per month for public transport and the possibility of job bike leasing.
- Use the wide range of further education and training opportunities (e.g., soft skills, languages, specialist courses, leadership seminars) and the sports offers of the University of Stuttgart.
- Fixed-term employment with salary and working conditions up to TV-L13.

Are you interested?

Then we look forward to receiving your application!
Please send us your application, including a motivation letter, resume, certificates and references, stating the reference number of the position "**HLRS_07_2025**" in the subject line, preferred by e-mail to:
bewerbungen@hlrs.de, no later than **March, 12th 2025,** as *a single pdf file*.

You will be working at HLRS within the Converged Computing (C2) department headed by Dennis Hoppe. If you have any questions about this job offer, please e-mail converged.computing@hlrs.de.

The University of Stuttgart invites women to apply for this job opening to strengthen the presence of female workers in the scientific areas. Full-time positions may generally be turned into part-time positions. Disabled people will have priority as long as they are equally qualified. The central administration of the University of Stuttgart will handle the recruitment process.
Information on the handling of applicant data following Art. 13 DS-GVO can be found at: https://www.uni-stuttgart.de/datenschutz/bewerbung/