



Founded in 1991, the University of Potsdam has firmly established itself in the scientific landscape and has become an outstanding economic factor and development engine for the region. It has a high level of third-party funding, has won several awards for teaching, and has a service-oriented administration and has received awards for being family-friendly. Around 20,000 students and 3,000 employees work at three locations – Am Neuen Palais, Griebnitzsee, and Golm – at one of the most beautifully situated academic institutions in Germany.

The **Digital Engineering Faculty (DEF)** at the **University of Potsdam** invites applications for a joint professorship under the “**Jülich Model**” with the **Hasso Plattner Institute for Digital Engineering gGmbH (HPI)** to be filled as soon as possible:

Full Professorship (W 3) for Software Engineering and AI

As part of their growth initiative, the Hasso Plattner Institute (HPI) and the Digital Engineering Faculty (DEF) are looking for a candidate in the area of software engineering and AI with an internationally recognized research profile, an excellent teaching performance and experience in professional software development projects. Traditionally, software development evolved along the strengths and limitations of developers and development tools. Recent advances in large language models (LLMs) allow us to leverage the wealth of software data available in source code repositories in order to adopt a much more data-driven software development approach.

We are looking for a candidate with an academic profile in the recently emerging field of software engineering and AI technology with several of the following research topics:

- AI models, concepts, and tools for software engineering
- Theory and practice of generative AI for software engineering
- Theory and practice of AI-based code repair, error correction, and bug prevention
- AI-based methods and techniques for software testing and test case generation
- AI-based methods and techniques for code summarization and documentation
- Algorithms and techniques for connecting code management systems (e.g. GitHub) and AI tools

The candidate should demonstrate excellence in the following aspects:

- Outstanding publication track record in international conference proceedings and journals in the field of software engineering and artificial intelligence
- Teaching in software engineering and artificial intelligence in practice and theory for undergraduate and graduate levels
- Supervision at bachelor, master, and Ph.D. level
- Acquisition of external funding through public and industry grants
- Experience in large-scale software development processes is beneficial

The Digital Engineering Faculty and the HPI offer scientists excellent opportunities to further develop their skills in research and teaching. We are looking for a team-oriented and committed

colleague who is a good fit for the inclusive and family-friendly environment of HPI. German language skills are not initially required.

If you have any questions, please contact Prof. Dr. Jürgen Döllner (doellner@hpi.uni-potsdam.de).

The joint appointment will be implemented according to the “Jülich Model” with a teaching obligation at the University of Potsdam in accordance with the Brandenburg Higher Education Act (BbgHG).

The hiring process is subject to the requirements set forth in Section 43 subsection 1 sentence 1 no. 1 – 3 and no. 4 letters a and c of the BbgHG. The appointment procedure is conducted in accordance with Section 42 BbgHG.

The University of Potsdam and the HPI value diversity and thus pursue the goals of equal opportunities and diversity in accordance with the general principle of equal treatment. One of the UP's and HPI's strategic goals is to significantly increase the proportion of women in research and teaching. Therefore, the UP and the HPI expressly invite applications from qualified female scientists. People with a severe disability will be given preference if they are equally qualified. Periods of time taken for parental leave or caregiving are taken into account when assessing applicants' academic careers. The implementation of equality and diversity standards in the respective field of work is expected.

We also offer [dual career support](#) and coaching for newly appointed professors.

Please submit your application, with the relevant documentation, via email to ausschreibungen@uni-potsdam.de by January 15, 2025. Further information is available online at <https://www.uni-potsdam.de/en/arbeiten-an-der-up/appointments/appointment-procedures/application>.

According to the Civil Servants Act of the State of Brandenburg (“Landesbeamtengesetz”), an inquiry must be made to the Domestic Intelligence Service prior to the final hiring and appointment as a civil servant in the State of Brandenburg can take place. Information on the lawfulness and the procedure is available [here](#).

Publication

ZEIT: December 05, 2024