



Job Announcement

The University of Potsdam was founded in 1991 and has firmly established itself within the scientific landscape and developed into an outstanding economic factor and growth engine for the region. The university excels in acquiring third-party funds, has received multiple teaching awards, has a very service-oriented administration, and has been honored several times for its family-friendly culture. About 20,000 students and 3,000 employees study and work at three campuses – Am Neuen Palais, Griebnitzsee and Golm – at one of Germany's most scenic institutions of higher education.

The **Faculty of Science, Professorship for Transfer of Knowledge and Technology** at the **University of Potsdam** invites applications for the following position **limited until September 30, 2028**, to be filled **by February 01, 2026** subject to funding approval:

Academic Staff Member (f/m/d)

ID no. 371/2025

The successful candidate will work 40 hours per week (100 %). The position is classified within remuneration group 13 of the collective wage agreement among the German federal states ("Tarifvertrag für den öffentlichen Dienst der Länder" – TV-L). The fixed term of employment is in accordance with Section 2 subsection 1 of the German Act on Fixed-Term Employment Contracts in Science and Academia (Wissenschaftszeitvertragsgesetz or WissZeitVG).

Your Field of Work:

The University of Potsdam, through its Chair for Knowledge and Technology Transfer and the innoFSPEC Transfer Lab, offers a facility that guides academic research results to the technical maturity of a demonstrator. The focus is on the development and application of fiber-optical spectroscopy and sensing, supported by long-standing expertise in fiber-optical sensor technology. As part of the SMS project, a shaft monitoring system for elevators is being developed in collaboration with an industrial partner to monitor the condition of elevator shafts. The university is responsible for developing a fiber-optical sensor for sound and mold detection and analyzing the data collected together with the partner to optimize the joint demonstrator.

The position is part of the ZIM cooperation project SMS (Shaft Monitoring System for elevators: Condition detection in critical infrastructure with optical fiber, sensor fusion, and AI-supported prognosis)

The Scope of Your Responsibilities:

- Technological analysis, selection, and design of the sound and mold sensor
- Investigation and experimental evaluation for functional assessment of available sensor technology
- Development of a suitable fiber-optical sensor for sound detection in hard-to-access areas
- Development of the sensor concept for the mold sensor and transfer to optical fibers
- Integrate and optimize optical fiber as a communication system in the elevator shaft
- Conduct and evaluate test series in the laboratory and test elevator shaft
- Create an action catalog for a future prototype based on the results

Further academic qualification (doctorate) is possible. At least one-third of working hours is available for in-depth academic work.

Your Qualifications:

- Completed master's level degree in natural or engineering sciences
- Structured working method and solutions-oriented thinking
- Independent work in the laboratory

We are also looking for the following competences:

- Experience working with optical fibers and sensors
- Safe handling of chemicals
- Detailed documentation and presentation of results
- High level of written and spoken English

What We Offer:

As a university, we combine the strong potential for development of a teaching and research institution with the attractive working conditions of the public sector. The University of Potsdam is a reliable employer that supports its employees with a variety of offers and benefits:

- Make the most of the various continuing education and networking opportunities offered by the University of Potsdam to refine your subject-specific and interdisciplinary competencies for professional as well as personal growth.
- All campuses have good transport connections. You can receive a monthly subsidy for the public transport job ticket and use our campus bicycles.
- Benefit from a company pension scheme, a special annual payment, and capital-forming benefits.
- Take advantage of the various offers from our Occupational Health Management unit as well as the Academic Sports Center.
- To improve employees' work-life balance, the University of Potsdam offers flexible working hours and a defined share of remote working hours (e.g. work from home). You have 30 vacation days per year (with a 5-day week) and are also exempt from work on December 24 and 31. Our Service for Families can advise you on how to better balance work and family life.

You can find more information about working at the University of Potsdam at <https://www.uni-potsdam.de/en/arbeiten-an-der-up/employer-up/overview>

For further information about this position, please contact Ms. Anne Hartwig preferably by e-mail: anne.hartwig@uni-potsdam.de or telephone: 0331 / 977 – 6223.

Your Application:

Please send us your application including the **ID no. 371/2025** by **November 20, 2025**, preferably by email to anne.hartwig@uni-potsdam.de or through the postal system to the University of Potsdam, innoFSPEC-Transferlabor, Am Mühlenberg 3, 14476 Potsdam.

If you completed higher education qualifications outside the EU, please submit a German translation and [the assessment of the Central Office for Foreign Education \(Zentralstelle für ausländisches Bildungswesen – ZAB\)](#) . Alternatively, please send us a PDF file from the database for the [recognition and assessment of foreign higher education certificates \(ANABIN\)](#).

The University of Potsdam values the diversity of its community and pursues the goals of equal opportunity regardless of gender, nationality, ethnic and social origin, religion/belief, disability,

age, and sexual orientation and identity. Applications from abroad and from persons with a migration background are expressly encouraged. The university strives for a balanced gender ratio in all employment groups; in areas where women are underrepresented, women are given preference in case of equal suitability (Section 7 paragraph 4 of the Brandenburg Higher Education Act). People with disabilities are given preferential consideration in case of equal suitability. In aptitude tests and selection interviews, individual compensation measures for disadvantages are granted, taking the specific disability into consideration. If a person with a disability would like to make use of individual compensation measures, please state this in the application letter.

If you would like us to return your application documents, please enclose a self-addressed stamped envelope with sufficient postage.

Potsdam, October 30, 2025