



Job Announcement

Young, modern, and research-oriented... the University of Potsdam has firmly established itself within the scientific landscape since its founding in 1991. Nationally and internationally renowned scientists teach and perform research here at Brandenburg's largest university. The University of Potsdam is successful in acquiring third-party funds, delivers outstanding performance in technology and knowledge transfer, and has a very service-oriented administration. With about 22,000 students studying at three campuses – Am Neuen Palais, Griebnitzsee and Golm – the University of Potsdam is a prominent economic factor and engine of development for the region. The University of Potsdam has a total of over 3,000 faculty and staff members and is located in one of Germany's most scenic areas.

The **University of Potsdam, Faculty of Science, Institute of Physics and Astronomy, Experimental physics condensed matter** invites applications for the following position:

Academic Staff Member Requisition No.: 378/2022

The position is available from January 01, 2023. The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L 13). The position is for 20 hours per week (50% of a full-time contract). This is a temporary position limited to a term of three years in accordance with Section 2 subsection 1 of the Fixed-Term Employment Contracts in Science and Research Act (WissZeitVG).

Responsibilities:

- AFM Experiments at surfaces, partly at low temperatures
- Quantitative determination of the results, development of methods to explain the effects
- Electromigration of metallic nanocontacts
- Elektronen beam lithographie to fabricate metallic nanostructures
- Simulations of surface forces
- Scientific exchange with our collaboration partners
- Presentation of the results in scientific talks and publications in scientific journals
- Preparation, realization and wrap-up of courses

Qualifications:

- Masters degree or equivalent in Physics or in a related field
- knowledge of the english language in writing and speech

desirable additional qualifications:

- knowledge and experience in handling dangerous substances
- knowledge and experience in handling low temperature liquified gases
- knowledge of the scientific literature related to the field
- programming in Labview, HTML and advanced programming languages
- experience in materials for electron-beam-lithography and molecules for scanning force microscopy

We offer you varied and challenging tasks in a dynamic team as well as attractive working conditions. Find out more about the wide range of offers and benefits for our employees on the internet at <https://www.uni-potsdam.de/de/arbeiten-an-der-up/>. For further insights into the

University of Potsdam, please visit our homepage at <https://www.uni-potsdam.de/en/>. Professor Petra Hoffmann-Vogel will be happy to provide you with further information regarding the job advertisement via e-mail hoffmannvogel@uni-potsdam.de.

Under the laws of the federal state of Brandenburg, employees under this contract are permitted to dedicate at least 33% of their contract time to their own academic qualification.

The University of Potsdam aims to increase the proportion of women in research and teaching and therefore invites qualified female applicants to apply. The University of Potsdam values the diversity of its members and pursues the goals of equal opportunities regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation or identity. In the case of equal suitability, women within the meaning of Section 7 (4) BbgHG (Brandenburg Higher Education Act) and people with severe disabilities will be given preferential consideration. Applications from abroad and from persons with a migration background are expressly welcome.

The number of teaching hours complies with the applicable provisions of the Teaching Obligation Ordinance (Lehrverpflichtungsverordnung, or LehrVV) of the federal state of Brandenburg as well as the teaching load regulations approved by the Senate of the University of Potsdam: http://www.uni-potsdam.de/fileadmin01/projects/verwaltung/docs/Dezernat3/Merkblatt_LehrVV.pdf

This position is assigned to the group of academic staff member “with – mit Qualifizierungsmöglichkeit (Promotion, Habilitation)”.

Applicants should send their application materials, by November 22, 2022 at the latest, either by mail to the University of Potsdam, Experimental physics condensed matter, Karl-Liebknecht-Straße 24/25 14476 Potsdam, Germany, or via email to hoffmannvogel@uni-potsdam.de with the subject line, “Job Title – requisition number: 378/2022.”

If you would like us to return your application documents, we request that you include a self-addressed stamped envelope.

Potsdam, November 11, 2022