TU Wien is Austria’s largest institution of research and higher education in the fields of technology and natural sciences. With over 26,000 students and more than 4000 scientists, research, teaching and learning dedicated to the advancement of science and technology have been conducted here for more than 200 years, guided by the motto “Technology for People”. As a driver of innovation, TU Wien fosters close collaboration with business and industry and contributes to the prosperity of society.

At the Institute of Applied Physics, in the Research Unit of Atomic and Plasma Physics, TU Wien is offering a position as university assistant (post-doc) limited to 6 years for 40 hours/week. Expected start: April 2024.

**Tasks:**
- Deep interest in scientific problems and the motivation for independent and goal-oriented research in the subject of ion-surface-interactions
- Independent teaching or participation in teaching and supervision of students
- The ability to develop methods, concepts, as well as their realization and evaluation and the willingness to contribute in interdisciplinary scientific projects
- Participation in organizational and administrative tasks of the research division and the faculty
- Research on an internationally competitive level
- Attraction of third party funds and establishing contacts to industrial research partners

**Your profile:**
- Doctorate in physics, nanotechnology, materials science or related fields and in-depth knowledge of the subject area
- Ability to perform research independently
- Experience in national and international research cooperation as well as in project management and scientific presentations
- Experience in writing of scientific publications
- A benefit is experience in acquisition of third party funds and/or knowledge of the Austrian and European funding landscape
- In-depth knowledge of the scientific areas of ion physics, surface physics, nanotechnology, surface chemistry, thin films, nuclear fusion or related fields
- Experience in a few of the following topics is a plus: Ultrahigh vacuum technology, ion sources, charged particle optics, detectors for ions and electrons, analog and digital signal processing, quartz crystal microbalance, (ultrafast) lasers, surface analytics (AES, XPS, Ion Beam Analysis), simulations (Binary Collision Approximation, Molecular Dynamics, (Time-dependent) density functional theory), device control with Python or LabView
- Experience in teaching as well as interest and pleasure in research and work/support with students in small teams in a laboratory setting
- Organizational and analytical skills as well as a structured way of working
- Excellent command of the English language and very good communicative skills and team competences,
- German language skills are not a requirement. Effort in learning German is welcome and support to take dedicated language classes is available

**We offer:**
- A wide variety and exciting range of tasks in a collegial team
- Hybrid working style with extensive home office option
- A range of attractive social benefits (see Fringe-Benefit Catalogue of TU Wien)
- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)
- Modern ion beam laboratory
- Access to a wide variety of state-of-the-art analytics methods, microscopies and deposition technique through the Core Facilities of TU Wien
- Excellent international collaboration network
- Vibrant research environment in Vienna
- Possibility to receive a Habilitation

TU Wien is committed to increasing the proportion of women in particular in leadership positions. Female applicants are explicitly encouraged to apply. Preference will be given to women when equally qualified, unless reasons specific to a male applicant tilt the balance in his favour.

People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university, Mr. Gerhard Neustätter.

Entry level salary is determined by the pay grade B1 of the Austrian collective agreement for university staff. This is a minimum of currently EUR 4,752.30/month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until February 15th, 2024.

In addition to the required documents in the online form, please upload a 2-page document under +add more documents in which you outline your research plans and how these can be integrated into the department's orientation.

If you have any questions, please do not hesitate to contact us Carmen Keck | T: +43 1 588 01 406201 Here you can find also relevant information about the application process.

Furthermore, please note that applicants will not normally be reimbursed for travel costs incurred in connection with this admission process.