



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - 0.75 part time employment - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted

Faculty V - Institute of Aeronautics and Astronautics / Aircraft Design and Aerostructures

Reference number: V-279/25 (starting at 01/10/25 / limited until 31/07/2028 / closing date for applications 01/08/25)

Working field:

As part of a real-world laboratory, drone deliveries in urban areas are to be tested in two pilot projects in a Berlin neighborhood. Six partners are working on this project to develop safe, fast, and environmentally friendly drone services and validate sustainable business models based on newly acquired data. At the chair of aircraft construction and aerostructures, you will engineer, implement, and provide technical support for a micro-depot, a kind of "packing station with delivery and pickup of packages by drones," taking into account the requirements and needs of users and project partners. The tasks include the conception, design, and construction of mechatronic systems, project management, and the selection and coordination of suppliers and the institute's workshop.

Requirements:

- successfully completed academic university degree (diploma, master's or equivalent) in aerospace engineering, mechanical engineering, electrical engineering or a comparable field of study
- in-depth knowledge in the field of lightweight construction and/or mechatronics
- in-depth knowledge and experience in the areas of design, calculation of structural components and/or mechatronic systems
- in-depth knowledge and experience in the areas of design, calculation of structural components and/or mechatronic systems
- knowledge and practical experience in design (CAD, CAE) and manufacturing, e.g., of structural components, devices, or mechatronic systems
- experience in project management
- good knowledge of German and/or English is required; willingness to acquire the missing language skills.

Desirable:

- basic knowledge of the fundamentals, specific working methods, and regulations in aerospace engineering
- ability to work in a team, communication skills, meticulous working style
- desire to qualify and work in the field of engineering

We offer you:

- an inclusive and appreciative working atmosphere in a committed and diverse team
- a good work-life balance thanks to flexible working time models
- comprehensive training and further education opportunities for personal and professional development
- the opportunity to gain further qualifications, e.g., qualification for independent scientific work (doctorate), science or project management

Please send your application **with the reference number** and the usual documents to Prof. Dr.-Ing. Bardenhagen **via E-Mail to f2@ilr.tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

