



Technische Universität Berlin



Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty V - Mechanical Engineering and Transport Systems, Institute of Land and Sea Transport Systems / Subject Area of Design and Operation of Maritime Systems

Reference number: V-512/25 (starting at the earliest possible / until 30/04/27 / closing date for applications 12/12/25)

About us:

The A-SWARM II project is developing an autonomous, emission-free transport system that uses waterways to relieve urban road traffic. Goods are transported into the city by ship and distributed to decentralised hubs via smaller, electric, autonomous units.

Your responsibility:

- Investigation of possible user concepts
 - Potential users
 - Consideration of pre- and post-transport
 - Transshipment solutions
 - Required infrastructure
 - Legal framework
- Design, layout and integration of an energy system
 - Energy considerations for the routes
 - Energy supply during operation
 - Charging infrastructure
- Route planning and vehicle availability
 - Integration of logistical processes into the monitoring platform
- Documentation of work

Your profile:

- successfully completed university degree (Diplom, Master or equivalent) in the field of marine and ocean engineering, transport or logistics (or comparable), in particular with knowledge in the following areas: Transport planning and energy and propulsion systems
- Knowledge of CAD and simulation software
- Good knowledge of German and/or English required; willingness to acquire any missing language skills
- Excellent teamwork skills, commitment, flexibility, economic thinking desirable
- Ability to document technical and economic issues is a plus
- Basic understanding of the legal framework in the transport or waterway sector desired
- Ability to manage student assistants desirable

How to apply:

Please submit a complete application **quoting the reference by email only** (as a single PDF document) **to Professor Dr. Holbach at sekretariat@ebms.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.jobs.tu-berlin.de>

