TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. TUD has established the Research Training Group "AirMetro - Technological & Operational Integration of Highly Automated Air Transport in Urban Areas" (RTG 2947), funded by the German Research Foundation (DFG). This interdisciplinary group, involving five faculties and the German Aerospace Centre (DLR), will conduct research on 11 research topics with 22 PhD candidates in the first funding period (05/2024 to 04/2029). The goal is to address the technical and social challenges of Advanced Air Mobility, considering ecological, economic, technological, and sociological factors. The RTG's structured doctoral program aims to train young researchers in highly automated, networked mobility, featuring international collaboration with mentors from the USA, Asia, and Europe. TUD and the RTG embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

The **"Friedrich List" Faculty of Transport and Traffic** offers within the **Research Training Group RTG 2947 "AirMetro"**, subject to the availability of resources, a position as

Research Data Manager in the RTG "AirMetro" (m/f/x)
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible**. The position comprises 50% of the full-time weekly hours and is limited until April 30, 2029 (time limitation pursuant to TzBfG).

Tasks: As part of our team, you will shape the research data management (RDM) in the RTG AirMetro and take on a variety of tasks:

- strategic development of the IT infrastructure in the RTG "AirMetro" in cooperation with the Center for Information Services and High Performance Computing (ZIH) of the TUD and the data center of the German Aerospace Center (DLR)
- conception, implementation and maintenance of structures for a collaborative research data management system in the RTG "AirMetro" in close cooperation with the participating scientists of the 5 faculties and the DLR
- collection of requirements and design of method-specific metadata schemas for the annotation of research data in the field of highly automated air traffic in urban areas
- programming appropriate interfaces for data exchange and collaborative software tools, advising the project management and research groups on hardware and software solutions in the context of research data management, taking into account the specific scientific requirements
- development of a knowledge base for the use of IT in research ("AirMetro knowledge hub" - „Wissenshub AirMetro")
- training on software use
- ensuring the security of data, network access and backup/recovery systems as well as the high availability of IT systems
- procurement, configuration and maintenance of servers and clients in physical and virtual environments.

Requirements:

- university degree in computer science, transportation sciences or a similarly suitable subject area
- experience with database and/or content management systems (e.g. research data repositories) and their requirements

- experience in the annotation of (research) data and with metadata standards
- confident handling of common computer hardware/software systems and experience with common programming and scripting languages (e.g. Python, Javascript, PHP)
- very good written and spoken German and English skills
- analytical problem-solving skills and independent organization.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents by **February 17, 2025** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **sekretariat-ifl@tu-dresden.de** or to: **TU Dresden, Fakultät Verkehrswissenschaften "Friedrich List", Institut für Luftfahrt und Logistik, Professur für Technologie und Logistik des Luftverkehrs, Herrn Prof. Dr.-Ing. Hartmut Fricke, Helmholtzstr. 10, 01069 Dresden, Germany**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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