

Technische Universität Dresden - “Friedrich List” Faculty of Transport and Traffic Sciences, Chair Traffic and Transportation Psychology



TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD 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.

Research Associate (m/f/x)

(subject to personal qualification, employees are remunerated according to salary group E 13 TV-L) At the “Friedrich List” Faculty of Transport and Traffic Sciences, the Chair Traffic and Transportation Psychology offers, subject to the availability of resources, a position as Research Associate (m/f/x) starting July 1, 2026. The position is limited until 31 May 2029. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position comprises 75% of the full-time weekly hours. An increase is generally possible subject to available funds. The position offers the chance to obtain further academic qualification (usually PhD).

City: Dresden; Starting date (earliest): 01/07/26; Duration: bis 31.05.2029;

Remuneration: bei Vorliegen der persönlichen Voraussetzungen E 13 TV-L; Reference number: w26-089; Closing date: 29/04/26

Tasks

The successful candidate will independently take responsibility for parts of the work within the EU project SENSEI (Societal-ready safe and transparent human-technology interactions for the automated mobility ecosystem).

The project develops adaptive and transparent human-machine interactions for automated driving (Level 2-3) that adapt to different drivers and enhance both safety and comprehensibility. User-centered interfaces and personalized training methods are validated through simulations as well as real-world tests in several European countries. The aim of the project is to reduce misuse and uncertainty and to make the use of automated driving functions safer and more reliable.

Within the professorship, this includes, among other tasks, analyzing the requirements of different user groups with respect to driver assistance and automation systems, and

identifying typical situations in which distraction or misuse occurs. Based on this, an evaluation framework will be developed using criteria such as safety, trust, and usability, along with methods for the systematic assessment of the proposed solutions.

Another key focus is the (co-)development of a scalable training concept that prepares drivers for the safe and effective use of assistance and automation systems. This includes a digital training assistant that supports system use in the vehicle and is further developed based on user testing. Training concepts and assistance systems are tested and evaluated in various application scenarios in order to continuously improve their effectiveness.

The successful candidate will work on the described tasks in close collaboration with other members of the professorship. The project is carried out in cooperation with various institutions across the EU. Sub-studies may also be conducted on-site at European partner institutions as part of the project.

Requirements

- above-average university degree in psychology, human factors, or a related field
- good knowledge of methods and statistics
- strong interest in research
- good German and English skills
- reliable, conscientious, and structured work, commitment, initiative, teamwork skills, scientific curiosity, and willingness to learn
- willingness to be mobile (especially with regard to the required activities within the project)

What we offer

- the opportunity for engaging and independent work within a flat hierarchy, in an open-minded team and supportive atmosphere
- flexible arrangements for work hours to support a good work-life balance
- 30 days of vacation per year (based on a 5-day workweek)
- extensive opportunities for professional development and continuing education
- health care and sports programs offered by TUD
- a discounted job ticket (also available as a Deutschlandticket)
- participation in the supplementary pension scheme for employees in the public sector via VBL (Federal and State Government Employees Retirement Fund)

Application

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. 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.

Application: Please submit your detailed application with the usual documents by April 29, 2026 (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 tibor.petzoldt@tu-dresden.de or to:

TU Dresden, Chair Traffic and Transportation Psychology, Prof. Dr. Tibor Petzoldt, 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.

TUD is a founding partner in the DRESDEN-concept alliance.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website:

<https://tu-dresden.de/karriere/datenschutzhinweis>.

More information at <https://stellenticket.de/203160/TUB/>

Offer visible until 29/04/26

