

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.

At the **"Friedrich List" Faculty of Transport and Traffic Sciences, Institute of Transport Planning and Road Traffic**, the **Chair of Traffic and Transport Psychology**, subject to the availability of resources, offers a position as

Research Associate (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **September 1, 2025** or at the **earliest possible date**. The position is limited until December 31, 2027 and comprises 75% of the full-time weekly hours. An increase is generally possible subject to the availability of resources. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position offers the chance to obtain further academic qualification.

Tasks: The successful candidate will independently carry out parts of the joint interdisciplinary project PROTEKT (Platform for Risk Minimization with Open Technologies to Enhance Traffic Safety through Connectivity in the Transport Sector). The project is being conducted in collaboration with the Chairs of Information Technology for Transport Systems (ITVS) and Traffic Process Automation (VPA).

The goal of the project is to develop and test technological solutions that improve the exchange of information between motorized traffic participants and so-called vulnerable road users (particularly cyclists and pedestrians). In this context, the field of traffic psychology is responsible for identifying the specific needs of vulnerable road users. The focus is on determining which concrete traffic situations or interactions involve informational shortcomings that could potentially be addressed through enhanced connectivity with other road users. The effectiveness of the technological solutions developed in the project will then be assessed in terms of their impact on the behavior and safety of these road users.

There is considerable scope for independent initiative and creative input in the execution of these tasks. As a first step, a comprehensive review of the existing literature is planned. This will be followed by surveys and/or observational studies to fill knowledge gaps and identify support needs among vulnerable road users. The evaluation of effectiveness will also include surveys and, where appropriate, field studies.

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)

We offer:

- opportunity for interesting and independent work with a flat hierarchy in an open-minded team and a supportive atmosphere
- extensive training and development opportunities
- flexible working hours and mobile working for a good work-life balance
- job ticket for public transport

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. 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 **July 31, 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 tibor.petzoldt@tu-dresden.de or to: **TU Dresden, Chair of Traffic and Transport 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.

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>.