

Technische Universität Braunschweig - Institute of Public Transport Planning (IPTP)



With around 16,000 students and 3,800 employees, the Technische Universität Braunschweig is one of Germany's leading institutes of technology. It stands for strategic and performance-oriented thinking and acting, relevant research, committed teaching, and the successful transfer of knowledge and technologies to the economy and society. We consistently advocate for family friendliness and equal opportunities. Our research focuses are mobility, engineering for health, metrology, and city of the future. Strong engineering and natural sciences are our core disciplines. These are closely interconnected with economics, social and educational sciences and humanities. Our campus is located in the midst of one of the most research-intensive regions in Europe. We work successfully together with over 20 research institutions in our neighborhood as we do with our international partner universities. Starting from February 2026, the newly founded Institute of Public Transport Planning (IPTP), is looking for two

Research Associate (PhD candidate or Postdoctoral researcher) (m/f/d)

(EG 13 TV-L, full-time contract for 3 years) Topics of interest include (but are not limited to):

- Public transport service design, including optimisation of networks.
- Public transport infrastructure development.
- Environmental externalities of transport systems, decarbonisation and life-cycle assessment.
- Health benefits of walking and cycling as complementary modes to public transport.
- Public transport pricing decisions.
- Social effects of public transport.
- Impacts of extreme weather on public transport systems.
- Quality of service and user loyalty.
- Accessibility and public transport.
- New technologies: the effects of vehicle automation on the future of public transport.
- Shared modes (e.g., bike-sharing, car-sharing) and their relationship to public transport.
- Ride-pooling and flexible forms of public transport.

City: Braunschweig; Starting date (earliest): 01/02/26; Duration: 3 years;
Remuneration: EG 13 TV-L; Closing date: 31/10/25

Working field

- Design and develop a new research project. Research topics are not restricted to the list presented above, other topics are also welcome. Multimodal research that includes public transport is also welcome.
- Collaborate with academic and non-academic partners and contribute to interdisciplinary exchange in our field.
- Support teaching and supervision of student projects.

Requirements

For PhD applicants

- Completed university degree (Master or Diploma) in relevant fields such as civil engineering, transport engineering, industrial engineering, urban planning, computer

science, data science or related disciplines.

- Very good knowledge of English is required; knowledge of German is desirable.
- Ability to work independently and as part of a team.
- Experience in research is a plus.
- Methodological knowledge and passion for scientific writing.

For Postdoc applicants

- Completed PhD degree. You may also apply if you have not completed your PhD yet, but have a date for your final examination.
- Research experience on transport and mobility topics.
- Very good knowledge of English is required; knowledge of German is desirable.
- Ability to work independently and as part of a team.
- Methodological knowledge and passion for scientific writing.

What we offer

- Work on exciting future-oriented research topics in an inspiring work environment as part of the university community
- A vibrant campus life in an international atmosphere with lots of intercultural offers and international cooperations
- Pay in accordance with the collective agreement TV-L - depending on the assignment of tasks and fulfillment of personal requirements - (a special payment at the end of the year as well as a supplementary benefit in the form of a company pension, comparable to a company pension in the private sector) including 30 days' vacation per year
- Flexible working and part-time options and a family-friendly university culture, awarded the "Family-friendly university" audit since 2007
- Special continuing education programs for young scientists, a postdoc program, as well as other offerings from the Central Personnel Development Department and sports activities.

Application

We welcome applicants of all nationalities. At the same time, we encourage people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a proof of disability to your application. We are also working on the fulfilment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (Niedersächsisches Gleichberechtigungsgesetz—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women are particularly welcome in this case.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen> . Application costs cannot be reimbursed.

Questions and Answers

Questions regarding the application process or the positions are received at iptp@tu-braunschweig.de.

Deadline for applications is October 31st 2025.

As part of your application, please submit:

- Your CV
- Copies of all relevant degrees obtained.
- List of courses of relevant degrees, including grades.
- A short research proposal (1-2 pages, plus references). Ideas in any level of maturity are welcome. The main selection criteria will be novelty, potential and feasibility of the idea.
- Two persons named as references, with contact details.

You are welcome to include Artificial Intelligence (AI) tools as part of the topics of the research proposal, if you wish to do so, but the use of Large Language Models (LLM) to write the proposal is not permitted. The proposal must be written by the applicant him/herself.

The ideal start date is February 2026, but there is flexibility on the start date depending on personal circumstances.

Please send your complete application as a single PDF file to iptp@tu-braunschweig.de. The subject of the email should be “PhD application: your name” or “Postdoc application: your name”).

More information at <https://stellenticket.de/198570/TUB/>
Offer visible until 31/10/25

