

## "Friedrich List" Faculty of Transport and Traffic Sciences

At the **Institute of Transport Planning and Road Traffic**, the **Chair of Integrated Transport Planning and Traffic Engineering** offers a position as

### **Research Associate / PhD Student (m/f/x)**

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

at the **earliest possible date**. The position is limited for 36 months with the option for extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (e.g. PhD). Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

#### **Tasks:**

- participation in research on the topics of (agent-based) transport modelling and transport simulation, e.g. sustainable mobility, active mobility, open-data-based model development, accessibility analyses and land-use/transport interaction;
- assistance in teaching and supervision of student theses;
- participation in the establishment of a new, English-language Master's program
- collaboration in the further development of transport simulation models, e.g. MATSim ([www.matsim.org](http://www.matsim.org)).

#### **Requirements:**

- university degree (diploma, master's degree) in transport engineering or computer science or other courses of study with a solid basis in transport planning and/or programming;
- great interest in interdisciplinary research in the field of mobility, especially mobility modelling and simulation;
- good analytical skills and a results-oriented approach to work;
- team spirit as well as fair and open communication;
- good knowledge of German and English, both spoken and written;
- programming skills (preferably in Java) or interest in acquiring them as well as overall competent handling of computers and software.
- Experience with traffic models and/or simulation tools and in the field of Data Science are desired.

#### **We offer you:**

- opportunity for interesting and independent work in a flat hierarchy in an open-minded team and a supportive atmosphere;
- possibility of joining national and international research projects and of including your own research topics;
- extensive offer of further education and training;
- flexible working hours arrangements for a good work-life balance;
- job ticket for public transport in Dresden and the surrounding area.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application to Prof. Regine Gerike with the usual documents by **March 17, 2022** (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf document [regine.gerike@tu-dresden.de](mailto:regine.gerike@tu-dresden.de) or to: **TU Dresden, Fakultät Verkehrswissenschaften „Friedrich List“, Institut für Verkehrsplanung und Straßenverkehr, Professur für Integrierte**

**Verkehrsplanung und Straßenverkehrstechnik, Frau Prof. Regine Gerike, 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>.