



Technische Universität Berlin offers an open position:

## Research assistant - salary grade E13 TV-L Berliner Hochschulen

in the context of the DFG-funded project "**Analysis of strategies for the complete decarbonisation of urban transport**"

under the reserve that funds are granted - part-time employment may be possible

**Faculty V - Institute of Land and Sea Transport Systems / Transport Systems Planning and Transport Telematics**

**Reference number:** V-226/19 (starting at the earliest possible / until 31 January 2022; an extension after the end of the project period is desired / closing date for applications 10/05/19)

### Working field:

- Collaboration in the research project "Analysis of strategies for the complete decarbonisation of urban transport", funded by the German Research Foundation (DFG). The project deals with the identification of suitable technical concepts and the analysis of strategies for the complete decarbonisation of traffic in urban areas, e.g. based on electric mobility. The financial and environmental consequences of the transformation into a fully decarbonised transport system will be quantified, taking into account procurement, operations, and disposal, using the agent-based transport planning software MATSim ([www.matsim.org](http://www.matsim.org)).
- Collaboration in research and teaching.
- Further development of multi-agent simulation models in MATSim.
- Cooperation with national and international partners.
- It is possible and encouraged to pursue a doctoral degree within the context of the position.

### Requirements:

- Successfully completed studies (Master, Diplom or equivalent) in Planning and Operations in Transport or comparable or industrial engineering or computer science.
- Experience with simulation tools.
- Good programming skills, preferably in Java, or interest in acquiring them.
- Good command of spoken and written English or German.
- Good analytical skills, good team skills.
- Interest in the topic.

### Desirable:

- Experience with the simulation software MATSim.
- Experience of using versioning and shared programming infrastructures, e.g. Git/GitHub or SVN.
- Experience with larger programming projects.
- Knowledge regarding the calibration of simulation scenarios.
- Multidisciplinary orientation.

Please send your **written application** with the **reference number** and the usual documents to Technische Universität Berlin - Der Präsident - **Fakultät V, Institut für Land- und Seeverkehr, FG Verkehrssystemplanung und Verkehrstelematik, Prof. Dr. Nagel, Sekr. SG 12, Salzufer 17-19, 10587 Berlin** or by e-mail to [bewerbung@vsp.tu-berlin.de](mailto:bewerbung@vsp.tu-berlin.de).

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Please send copies only. Original documents will not be returned.

The vacancy is also available on the internet at <http://www.personalabteilung.tu-berlin.de/menue/jobs/>

