



The Department of Landscape, Spatial and Infrastructure Sciences, Institute for Transport Studies is  
currently seeking a

## Postgraduate Research Associate

(Reference code: 221)

Extent of employment: 30 Hours per Week

Duration of employment: 1<sup>st</sup> of February 2021, limited to 31<sup>st</sup> of January 2025

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14  
times per year): B1, € 2.196,80

### Responsibilities

- Develop a decision support system to evaluate the impacts of automation and digitalisation
- Work with existing transport planners and engineers in the region to improve the existing transport modelling and analysis frameworks, in particular to accommodate the new transport service and modes due to digitalisation and automation of transport systems
- Contribute to ongoing and the acquisition of new third party funded projects at the institute
- Publish results in journals and actively participate at (inter)national conferences
- Spend a considerable time in teaching within the institute, in particular on traditional transport engineering including road geometric design and traffic engineering, at Bachelor and Master level, in German

### Required skills and qualifications

- Diploma degree in Civil Engineering and Water Management, Environmental Engineering, Civil Engineering or other equivalent studies with specialisation in Transportation or Transport Planning with technical focus or other equivalent university degree
- Ability to teach Road Geometric Design and Traffic Engineering courses in German
- Ability to write and publish high quality scientific papers
- Good oral and writing skills in English
- Committed to write a doctoral dissertation in transport field
- Aptitude for interdisciplinary teamwork
- Ability to plan, design and carry out scientific work
- Being proficient in German language

### Desirable skills and qualifications

- Technical competence in road geometric design and traffic planning is a very strong merit
- Familiarity with Austrian transport research landscape is a very strong merit
- Experience of working with a transport demand model (e.g. MATSim or BusMezzo or Vissum or transport-and-land-use simulator) is a very strong merit
- Experience in lecturing transport engineering subject is a merit
- Experience working with sensors and big data from road infrastructure and vehicle is a merit

Applications can be submitted until: 6<sup>th</sup> of January 2021

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl. motivation letter, CV and 1-page (max) of PhD level research proposal on the subject of the impacts of automation and digitalisation to transport and mobility system to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). (**Reference code: 221**)

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

**[www.boku.ac.at](http://www.boku.ac.at)**