The Department of Landscape, Water and Infrastructure, Institute of Transport Studies is currently seeking a

Postdoctoral Research Associate

project employment

(Reference code 49)

Extent of employment: 40 hours per week
Duration of employment: May 2025, limited to April 2027 (with option for temporary extension)
Workplace: 1190 Vienna
Allocation in compliance with the Collective Agreement for University Staff to job group: B1 lit.b
Gross monthly salary: (depending on previous eligible experience) at least: € 4.932,90
(payable 14 times per year)

Responsibilities

- Leading the development of an optimization and microsimulation system to evaluate the impacts of different charging and autonomous freight transport technologies in the SEE-FAr project funded by the Austrian Science Fund (FWF)
- Application of these methods to evaluate and develop optimal freight charging location strategies for technology scenarios for the Bavaria-Austria region
- Working closely together with the transport modelling team from TU Munich
- Publication in internationally renowned journals and in specialist journals and participation in national and international conferences
- Project management and contribution to the acquisition of research funds
- Contribution to the institute's daily research and administrative tasks
- Co-supervision of students (PhD student(s) working on SEE-FAr, Bachelor's and Master's theses); there will be opportunity to contribute to further teaching and learning activities

Required skills and qualifications

- Doctorate degree / PhD in Computer science, GIS, optimization research, transportation engineering, (engineering) physics or similar quantitative field
- Language skills: English
- Experience in (multi-agent or transport or related) optimization and computer simulation
- Experience in transport/freight simulation is a must

Desirable skills and qualifications

- Demonstrated ability to write and publish high quality scientific papers
- Some German language skills is a plus
- Experience with large GPS datasets and any other programming skills are an asset

Applications can be submitted until: 5th of April 2025

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
- 1 page (max) of description (in English) that provides insights into the candidate experience and understanding on the use of optimization and microsimulation in evaluating the impacts of transportation/freight deployment strategies

to Personnel Management, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: recruiting@boku.ac.at. **(Reference code: 49)**

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

www.boku.ac.at