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

Postdoctoral Research Associate
Project employment
(Reference code: 37)

Extent of employment: 40 Hours per Week
Duration of employment: April 2020, limited to March 2022
    (with option of limited extension until September 2024)

Gross monthly salary and pay grade in terms of collective agreement
for university staff (payable 14 times per year): B1 lit. b, € 3.889,50

Responsibilities

- Actively contributing to a GPS-based tool development and deployment activities
- Analysing data collected by GPD-based tool with machine learning model and contribute to the advancement of travel patterns and scheduling
- Contribute to ongoing and the acquisition of new third party funded projects at the institute
- Publication of results in journals and active participation and (inter)national conferences
- Play significant role in projects managements, teaching, and administrative tasks within the research group and at the institute of transport studies
- Support the supervision of junior researchers and PhD students

Required skills and qualifications

- Doctoral degree/PhD
- Degree in Computer science, transportation engineering or similar numerical degrees
- Expertise at Machine Learning, NLP (Natural Language Processing), Computer Vision, Data Mining, or similar
- Experience with relevant scientific software packages (Python, TensorFlow, Theano, Torch, Caffe, R, Matlab/Octave,…)
- Good programming, software engineering and development skills
- Demonstrated ability to write and publish high quality scientific papers
- Good oral and writing skills in English are required
- Interest in mobility behaviour and research in the transport field
- Demonstrated ability to learn new languages and willingness to learn German

Desirable skills and qualifications

- Experience in Transport and/or Mobility GPS-data collections and analysis, or alike, is a very strong merit
- Experience in modern software development techniques, version control and deployment tools, databases/SQL, programming languages (e.g. Java), Big Data and HPC frameworks is a strong merit
- Being proficient in German language and being familiar with Austrian transport research landscape are important assets
- Software engineering skills for prototypic development and implementation of experimental setups is a merit
- Experience in lecturing on relevant subject and supervision would be a plus

Applications can be submitted until: 10th of March 2020

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.

Please send your job application to Personnel department, University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: kerstin.buchmueller@boku.ac.at. **(Reference code: 37)**

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

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