



## The University of Natural Resources and Life Sciences, Vienna (BOKU)

is inviting applications for the position of a  
Full Professor for

### **Digitisation and Automation in the Transport and Mobility System**

The position of Full Professor for Digitisation and Automation in the Transport and Mobility System will become available from 1st January 2019 at the Institute for Transport Studies, Department of Landscape, Spatial and Infrastructure Sciences, University of Natural Resources and Life Sciences, Vienna (BOKU). The successful candidate will establish a new research group that will analyse the impacts of digitisation and automation in transport and mobility at a systems level. Both professorship and research group are co-sponsored by the Austrian Ministry for Transport, Innovation and Technology (BMVIT) as well as further partners from industry and public authorities.<sup>1</sup> The position is offered in accordance with § 98 of the 2002 Universities Act in the form of an on-going contract.

The University of Natural Resources and Life Sciences, Vienna, the Alma Mater Viridis, is a teaching and research centre for renewable resources, which are essential for human life. It is BOKU's task to make a key contribution to the conservation and protection of resources for future generations through its wide variety of expertise. Combining natural sciences, engineering and economic sciences, its aim is to increase knowledge of the ecologically and economically sustainable use of natural resources. With more than 12,000 students and over 2,500 staff, BOKU is one of Europe's leading universities in the field of life sciences.

#### Duties and main concerns

The task of the professorship is to holistically analyse the impacts of digitisation and automation in transport and mobility on people, society, economy, spatial structures and environment by using a user-oriented approach. The research by the group shall support the development of framework conditions for a sustainable use of these new technologies. To this end, a systems view incorporating the mobility of people and goods, individual and public transport, road and rail transport as well as urban and rural areas shall be consistently applied. Technological research into automation and digitisation is not the concern of this professorship.

We expect the successful candidate to establish and lead a new research group „Digitisation and Automation in the Transport and Mobility System“ that will add to existing research at the Institute for Transport Studies. The professor will be actively involved in research, provide scientific guidance for the members of the research group and develop the group as strong complement to and in close interaction with research at the Institute, Department and University. This includes the acquisition of external research funding in order to secure the existence of the research group beyond the five year sponsored time horizon. In addition, the professorship is expected to lead a BOKU Centre on „Digitisation and Automation“ integrating relevant units at BOKU to utilise multidisciplinary competences. The societal impact of the research is to be ensured through collaboration with a scientific advisory board consisting of representatives of sponsors, industry, stakeholders and public authorities.

Together with the staff of the research group the professor will be responsible to cover teaching in relevant fields of transport planning and studies related to automation and digitisation, e.g. fundamentals of transport planning and mobility, transport forecasting and modelling, transport safety, or instruments in transport planning and policy. Student education duties include teaching on various study programmes at Bachelor and Master level as well as supervision of undergraduate, postgraduate and doctoral theses.

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<sup>1</sup> According to the sponsorship conditions the appointed person must not have been employed by BOKU within the last three years.



Job requirements:

- Authorisation to teach acquired at an Austrian University (venia docendi) or foreign equivalent or an equivalent subject-relevant academic qualification.
- Relevant experience and competence in teaching, guidance in scientific work, as well as the supervision of young scientists (Master and PhD students). The candidate is expected to submit a teaching portfolio.
- Teaching in German and English.
- Subject-specific research experience of international reputation, as well as the ability to network on national and international level.
- Experience in the successful acquisition, execution and management of research projects.
- Cooperation with national and international research institutions and with relevant partners from public services and business.
- Management and interpersonal skills, communication and team skills.
- Willingness to participate in public relations.
- Willingness to participate in focus areas and cooperation programs of the University.
- Willingness to participate in the self-governance of the University of Natural Resources and Life Sciences, Vienna.

Please send your application in English by email to [rektorat@boku.ac.at](mailto:rektorat@boku.ac.at) and one hard copy no later than **15th June 2018** (date on postage stamp) to the Rectorate of the University of Natural Resources and Life Sciences, Vienna (BOKU), Gregor-Mendel-Straße 33, A-1180 Vienna.

Please include the following documents with your application:

- CV including details of professional, teaching and research activities; incl. presentation of a teaching portfolio– further information is available in German at [http://www.boku.ac.at/fileadmin/data/H05000/H17100/Qualifizierungsvereinbarung/Lehrportfolio - Leitfaden zur Erstellung.pdf](http://www.boku.ac.at/fileadmin/data/H05000/H17100/Qualifizierungsvereinbarung/Lehrportfolio_-_Leitfaden_zur_Erstellung.pdf)
- List of publications (referenced / not referenced), presentations and projects
- Copies of five recent publications that you consider particularly important
- Draft concept for research and teaching; presentation of planned research priorities
- Brief explanation of why you believe yourself to be particularly suitable for this position (max. one page A4)

By submitting the application, you also agree to the participation of an external recruitment consultant in the selection process.

The University of Natural Resources and Life Sciences, Vienna is seeking to increase the number of its female faculty members and therefore, qualified women are strongly encouraged to apply. Women are given priority when qualifications are equal, except in cases where there are outweighing factors concerning another candidate.

The employment contract is classified as group A1 of the collective agreement for university employees. Minimum gross yearly salary: € 70.071,40; the actual annual gross salary is subject to negotiation.

More information on this position and about BOKU and this department can be found on the website: <http://www.rali.boku.ac.at/verkehr/>