



The Faculty of Architecture, Civil Engineering and Environmental Sciences is seeking to appoint a

## **Full Professor (W3) in „Planning and construction of rail transport systems“**

to start as soon as possible.

The Faculty is looking for a candidate with a proven scientific background and sound knowledge in the fields of planning, design, dimensioning, construction and maintenance of rail transport systems. The successful candidate is graduated in civil engineering and/or transportation sciences and has a proven track record in science and several years of practical experience.

The professorship is a core component of the TU Braunschweig strategic research areas "Mobility" and "Future City". The professorship is associated with the chair of the Institute of Transport, Railway Construction and Operation. With the further development of track-guided transport systems, it will contribute to the handling of future mass transport in a sustainable manner.

The professor is expected to conduct innovative research in the fields of planning the infrastructural development of rail bounded systems as an integral part of the national and international transport system, the construction and maintenance of rail bounded transport facilities and their dimensioning for operational requirements. Furthermore, the research should address the requirements of innovative mobility concepts and contribute to the design of the spatial integration of rail bounded transport systems. A distinct willingness for interdisciplinary cooperation in the research areas "Mobility" and "City of the Future" as well as for national and international cooperation is expected. In this cooperation, the professorship will make a significant contribution to the development of future transport systems for the efficient and environmentally friendly management of transport demand.

In teaching, the Chair's tasks include participation in the Bachelor's and Master's programmes of the Faculty and the Technical University, and in administration, participation in the committees of the Technical University.

The requirements of the position are defined in Section 25 of the Lower Saxony Higher Education Act (Niedersächsisches Hochschulgesetz).

With nearly 20,000 students and 3,700 staff members, Technische Universität Braunschweig is the largest Institute of Technology in Northern Germany. It stands for a strategic and achievement-oriented way of thinking and acting, relevant research, exceptional teaching and the successful transfer of knowledge and technologies to industry and society. We consistently advocate family friendliness and equal opportunities.

We focus our research on mobility, infections and therapeutics, metrology, and future city. Our core disciplines include a comprehensive engineering branch and a strong natural sciences branch, closely linked with business sciences, social sciences, humanities and educational sciences.

Our campus is located at the heart of one of Europe's most active research regions. We cooperate closely and successfully with more than 20 research institutions right on our doorstep and maintain strong relationships with our partner universities all over the world.

At TU Braunschweig, we aim to increase the share of women in academic positions and therefore particularly welcome applications from women. Where candidates have equivalent qualifications, preference will be given to female candidates. Applications from international scientists are welcome. A part-time appointment may be possible on request.

Applicants who are 50 years or older at the time the appointment commences and who have not acquired permanent civil servant status (Beamtenverhältnis auf Lebenszeit) will be employed with employee status (Angestelltenverhältnis). Where candidates have the same qualifications, preference will be given to disabled candidates.

For more information, please contact the chair of the Appointments Committee, Professor Michael P. Wistuba, Tel. +49 (0)531 391 62050; [m.wistuba@tu-braunschweig.de](mailto:m.wistuba@tu-braunschweig.de).

Please send your written application (m/f/d) until May 31st 2020 indicating the reference number 2020\_f3\_W003 and including the appropriate documentation (pdf-file, max. 50 MB) by e-mail to [berufungen@tu-braunschweig.de](mailto:berufungen@tu-braunschweig.de) (addressed to TU Braunschweig, Dean of the Faculty of Architecture, Civil Engineering and Environmental Sciences, Prof. Dr.-Ing. Bernhard Friedrich).

By submitting your application documents electronically, you consent to their digital storage and processing for the application process.