The Technical University Berlin (TU Berlin) – Faculty V (Mechanical Engineering and Transport Systems) – Institute of Land and Sea Transport Systems – together with the German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)) is searching for a University Professor - salary grade W3 for the subject area "Transport demand and transport impacts" at the same time Head of the Institute of Transport Research of the German Aerospace Center (DLR) as a permanent position.

The DLR is the national aeronautics and space research centre of the Federal Republic of Germany. More than 8300 employees work in the fields of aeronautics, space, energy, transport, digitalisation and security. In the Institute of Transport Research about 60 scientists are researching the developments and prospects of passenger and commercial transport for a modern, fit-for-the future transport system.

The teaching obligation at TU Berlin is 2 hours per week (SWS).

The appointment is a W3 professorship following the Jülich Model.

Faculty V
Reference number: V-25/20 (starting at the earliest possible / permanent / closing date for applications 28/02/20)

Working field: Research and teaching, in German and English. Development, testing and evaluation of new mobility concepts for personal and commercial transport from the perspective of transport demand and transport impacts (with special focus on urban areas, intermodality, active modes, and diversity in spatial structure and user requirements). Design and evaluation of requirements on automatization and digitalization of transport, in particular with respect to interdisciplinary aspects (e.g. social sciences, transport sciences). Strategies for the transformation of the transport system towards sustainability, climate protection and reduction of resource consumption; coupling between energy and transport systems. Innovative approaches to surveys and data analysis, use of (mass) data sources (e.g. FCD, mobile phone tracks, social media, observations from space) for transport research, standardized and portable methods for data processing and analysis, open data. Development of transport demand and transport behavior models based on empirical insights. Evaluation of the effects of technical or political measures in transport with respect to economic viability, sustainability, as well as user acceptance; open reference models. It is expected that the future head of the Institute for Transport Research will cover the whole range of interdisciplinary connections between the dimensions society, industry, and technology in transport research. The approach should be systemic, in collaboration with other relevant DLR institutes as well as with TU Berlin.

Requirements: Successful applicants must fulfil the requirements for appointment at the professoria level in compliance with § 100 BerlHG (Berlin Higher Education Act), including a topically relevant university degree, scientific achievements (Ph.D.), habilitation or equivalent qualification (scientific publications), and pedagogical didactic qualifications, substantiated by a teaching portfolio (for more information see TUB Website, quick access no. 144242). Additionally:
1. Strong record in the acquisition and the implementation of large research and development projects from industry as well as from public sources.
2. Experience in research in transport in one or several domains (automotive, rail, public transit)
3. Internationally recognized research activity, substantiated by relevant publications.
4. Connections into the relevant research community
5. Experience and competencies in leadership and management
6. Very good German and English language skills
7. Practical experience with the cooperation in a company dealing with service, operating infrastructure or production in transportation

Desirable would be experience beyond transport in one or more of the following disciplines: geography, computer science, engineering, economics, psychology, planning sciences, sociology, statistics.

TU Berlin and DLR strive to increase the proportion of women in research and teaching and therefore strongly encourage qualified female researchers to apply. Qualified individuals with disabilities will be favored. TU Berlin appreciates diversity and pursues equal opportunity.
TU Berlin is certified as a family friendly university and offers you and your family support through its Dual Career Service when you and your family decide to move to Berlin. It is also essential part of DLR’s personnel policy to realize a balance of life, family and work as well as equal opportunities for all persons. Application from abroad are explicitly welcome.

In the context of the strategic internationalization process, TU Berlin assumes the recruited academics teachings staff’s ability to conduct classes in English.

Please send your written application with curriculum vitae, certificates of education and previous work experience, list of attracted third party funding as well as a description of your research and teaching concept with reference to the code above preferably by e-mail as a single (max. 3) pdf file not exceeding 10 MB simultaneously to personal@vm.tu-berlin.de and to Prof. Dr.-Ing. Karsten Lemmer, DLR, Member of the Executive Board for energy and transport, Linder Höhe, 51147 Köln, vorstand-verkehr@dlr.de. If you want to submit your application on paper, please send (including a digital version on USB stick) to Technische Universität Berlin, Der Präsident, Dekan der Fakultät V. Sekr. H 11, Straße des 17. Juni 135, 10623 Berlin. Deadline will be 28/02/2020 Please send copies only. Documents will not be sent back.

The vacancy is also available on the internet at http://www.personalabteilung.tu-berlin.de/menu/jobs/