



The **Faculty of Architecture, Civil Engineering and Environmental Sciences** of the **Technische Universität Braunschweig** invites applications for a

**Junior Professorship (W1 Tenure Track W2) in
„Data-driven Modelling and Simulation of Mechanical Systems“
(m/f/d)**

funded by the Tenure Track Programme of the German Federal Government and the Federal States (“WISNA”) to start as soon as possible.

We are looking for a personality who represents the field of data-driven modelling of engineering problems in solid state, structural and fluid mechanics in research and teaching with in-depth expertise in the field of machine learning for modelling engineering systems and measuring instruments (Digital Twins) in civil and environmental engineering. The professorship is primarily linked to the research focus City of the Future via the MUSEN Centre. In addition, an intensive research cooperation with the Physikalisch-Technische Bundesanstalt (PTB) is planned.

The junior professor’s initial appointment is limited to three years. After a positive evaluation, the appointment will be extended by three more years. In accordance with the tenure track statutes of TU Braunschweig, the appointment will be tenured at the level W2 after a positive final evaluation. The requirements of the position are defined in Section 30 of the Lower Saxony Higher Education Act (Niedersächsisches Hochschulgesetz).

With almost 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.

Where candidates have the same qualifications, preference will be given to disabled candidates.

For more information, please contact the Chair of the Appointment Committee, Prof. Dr.-Ing. Markus Gerke, Tel. +49 (0) 531 391 94570.

Please send your written application until April 30th 2020 indicating the reference number **2020_f3_W001** and including the appropriate documentation (pdf-file, max. 50 MB, curriculum vitae, copies of grades and titles, list of publications and lecture courses, list of third-party funds acquired with project identification or industrial project responsibilities and a brief description of the research and teaching concept) by e-mail to **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.