



The Faculty of Mechanical Engineering of the TU Braunschweig invites applications for

Professor (Salary Grade W3 NBesG) in “Aircraft Structural Design”

The fields of activity include research into basic principles and applications of structural design of aircraft including digital design methods, manufacturing approaches, function integration, and flight testing within the framework of the research focus area “Mobility” of TU Braunschweig. The professorship is thematically linked to the university’s Cluster of Excellence for Sustainable and Energy-Efficient Aviation (SE²A). The fields of activity of the professorship in research shall include the following:

- Construction concepts with high-performance materials,
- Multiphysics design and analysis methods,
- Function integration,
- Flying demonstrators.

The professorship is located in the Institute of Aircraft Design and Light-Weight Structures of the Faculty of Mechanical Engineering. It is expected that the professorship will be actively involved in the NFL (Aeronautical Research Centre Niedersachsen) and the Cluster of Excellence SE²A (Sustainable Energy Efficient Aviation).

The professorship shall also reflect corresponding methods and recent research results in the form of new teaching content and modules. In terms of teaching, the professorship is integrated into the Bachelor’s and Master’s programs of the Faculty of Mechanical Engineering, in particular the Master’s programs in Aerospace Engineering and Industrial Engineering / Mechanical Engineering.

We seek a scientist from university, industry or research establishment with proven competence in at least two of the above-mentioned fields. Relevant experience in the acquisition and implementation of basic and application-oriented third-party funded projects, industrial projects as well as collaborative research is desired.

The Technische Universität Braunschweig co-ordinates major parts of its research in Core Research Areas, among them Mobility. The successful candidate is prepared to participate in interdisciplinary, collaborative programs and to contribute to the Research Centres of Mobility. Likewise, cooperation in the academic self-administration is expected.

Conditions of appointment are in accordance with § 25, Niedersachsen Higher Education Act (NHG). The prerequisites are a university degree with a doctorate, relevant research work with outstanding scientific achievements, the ability to carry out, coordinate and manage interdisciplinary research work with commitment and to acquire third-party funds, as well as pedagogical and didactic skills.

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. 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 Head of the Appointment Committee, Prof. Dr.-Ing. Rolf Radespiel, phone: +49 (0)531 391-94250, e-mail: r.radespiel@tu-braunschweig.de.

For an initial contact you can also approach consultants Simone Pfister and Michael Tippmann of the recruitment agency BELOW TIPPANN & COMPAGNIE at +49 (0)30 20 63 279-14 or -12. Absolute discretion is a matter of course.

Please send your written application until **August 15, 2020** indicating the **reference number 2020_f4_W007** and including the appropriate documentation (pdf-file, max. 50 MB, curriculum vitae, list of publications, list of third-party funds acquired with project identification or industrial project responsibilities and a brief description of the research and teaching concept) to berufungen@tu-braunschweig.de (addressed to the Dean of the Faculty of Mechanical Engineering, Prof. Dr. rer. nat. Andreas Dietzel)

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