The Institute of Aerospace Engineering at the Faculty of Mechanical Science and Engineering seeks to fill the

**Chair (W3) in a Topic within Aerospace Engineering**

from 01 April 2020.

The Institute of Aerospace Engineering presently consists of the Chair of Aircraft Engineering and the Chair of Space Systems as well as a work group for experimental aerodynamics with a low-speed wind tunnel facility. Current research areas are optimisation of airplanes, damage-tolerant and morphing airplane structures, satellite technologies and space propulsion, as well as experimental investigations of airplanes and buildings in wind tunnels.

The holder of the position shall develop innovative teaching concepts within the mechanical engineering study programme and its aerospace engineering curriculum in the area of flight systems and autonomous flight systems. Changes are possible depending on the candidate’s area of expertise. In addition, teaching in complementary study programmes such as mechatronics or transport engineering shall be offered if necessary. A willingness and ability to conduct classes in English is expected. The duties include participation in academic selfadministration. In addition to the Institute of Aerospace Engineering, the cross-faculty profile “Innovative Systems of Aerospace Engineering” is also to be strengthened. Collaboration with other Chairs in the main topic is expressly desired.

We are seeking for a candidate with an outstanding international scientific track record, who complements and strengthens our research areas in order to continue the establishment of our institute as a leading institution with high visibility. Possible research areas are autonomous aerospace systems, flight systems, aerospace acoustics or space/satellite applications. Other topics are welcome; we aim to focus on the excellence of the candidate as well as how the proposed research fits within and complements the structure of our institute. Utilization of the existing wind tunnel facility would be an advantage. Extensive experience in funding acquisition, managing of research contracts and group leadership is required. Pedagogical and educational skills are essential.

Applicants must fulfil the employment qualification requirements of § 58 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (Higher Education Act of the Free State of Saxony – SächsHSFG). TU Dresden represents a teaching and research concept, in which the relocation of the place of residence to or near Dresden is desired.

TU Dresden seeks to employ more female professors. Hence, we particularly encourage women to apply. Applications from disabled candidates or those with additional support needs are very welcome. The University is a certified family-friendly university and offers a dual career service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Mechanical Science and Engineering (Ms. Stephanie May +49 351 463 32786) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich +49 351 463 33175).

Please submit your application, including CV, description of your scientific career, a list of your scientific publications, and a list of courses taught, results of evaluations of the last three years as well as a certified copy of your highest academic degree as hard copy to TU Dresden, Dekan der Fakultät Maschinenwesen, Herrn Prof. Dr.-Ing. habil. Ralph Stelzer, Helmholtzstr. 10, 01069.
Dresden, Germany and as electronic copy (CD or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de) by sending it to dekanat.mw@tu-dresden.de until 04.04.2019 (stamped arrival date of the university central mail service applies).

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis