The Institute of Manufacturing Science and Engineering at the Faculty of Mechanical Science and Engineering and the Fraunhofer-Gesellschaft seek to fill the

Chair (W3) of Laser and Surface Technology

to be exercised in conjunction with

the membership in the board of Directors of the Fraunhofer Institute for Material and Beam Technology IWS

in a joint appointment procedure at the earliest possible date. TU Dresden and Fraunhofer IWS wish to further intensify their successful cooperation. The chair to be filled will therefore bundle and further develop the competences in the field of laser material processing and surface technology.

The Faculty of Mechanical Science and Engineering has a long tradition in the fields of materials development, production technology and energy efficiency. In terms of teaching, it is responsible for the study programmes Mechanical Engineering, Process Engineering and Natural Materials Technology, Materials Science, Textile and Clothing Technology, Mechatronics and Regenerative Energy Systems and has numerous contributions to the study programmes offered by other faculties.

The Fraunhofer Institute for Material and Beam Technology IWS is one of the most important research institutes in the field of applied surface technologies, beam technology and laser-based material processing in Europe. Current research focuses include joining technologies, additive manufacturing processes and laser-based production technology.

In your new position, you will competently represent the main topics in research and teaching as well as in research and technology management towards research funding associations and research partners and further develop the strategic connection between the university and the Fraunhofer Institute. The research projects defined by you should have a strong focus on applicability and allow for a high degree of freedom in research. The chair is associated with the membership in the management of the Fraunhofer IWS, which includes the scientific, professional and entrepreneurial steering and management of the institute within the Fraunhofer model and the Fraunhofer overall strategy.

The chair is based on your expertise in research and teaching in one or more of the following areas: laser material processing, beam shaping, surface technology and systems engineering. Within the study programme of Mechanical Engineering, you will develop and implement contemporary and innovative teaching concepts. Both pedagogical and didactic skills are required as well as your willingness and ability to conduct courses and examinations in English and German. Furthermore, we expect your active participation in academic self-administration. You possess many years of management experience of large, interdisciplinary research groups, experience in strategic planning, acquisition and implementation of large-volume national and international research and development projects in various business areas as well as skills in increasing the efficiency of
development processes and in technology exploitation. International work and teaching experience and/or experience in international projects and scientific-political networking are a plus. 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 (SächsHSFG).

For further questions regarding the application, please contact the Dean of the Faculty of Mechanical Science and Engineering, Prof. Dr.-Ing. Michael Beckmann (dekanat.mw@tu-dresden.de), and about the position at Fraunhofer IWS, contact Dr. Patrick Hoyer, Tel. +49 89 12051114, (patrick.hoyer@zv.fraunhofer.de).

TU Dresden and the Fraunhofer-Gesellschaft seek to employ more female professors. Hence we particularly encourage women to apply. Applications from candidates with disabilities or those requiring additional support are very welcome. The University is a certified family-friendly university and has a Dual Career Service. The Fraunhofer-Gesellschaft also pursues a family-friendly personnel policy and therefore offers flexible working hours and support for an adequate work life balance to all employees. Should you have any questions concerning these or related topics, please contact the Equal Opportunities Officer of the Faculty of Mechanical Science and Engineering (Stephanie May, +49 351 463-32786) and the Equal Opportunities Officer of Fraunhofer-Gesellschaft (Mrs. Dipl.-Ing. Regina Böckler, Tel. +49 89 54759322) or the Representative of Employees with Disabilities of TU Dresden (Mr. Roberto Lemmrich, Tel. +49 351 463-33175).

Convince us with your application by submitting a CV in tabular form, a description of your academic career, a list of your academic publications, a list of courses taught and the results of evaluations (preferably of the last three years), list of the projects and acquired third-party funds as well as a certified copy of the certificate of your highest academic degree as hard copy to: TU Dresden, Dekan der Fakultät Maschinenwesen, Herrn Prof. Dr.-Ing. Michael Beckmann, Helmholtzstr. 10, 01069 Dresden, Germany. Additionally, please send all documents in electronic form (CD, USB memory device or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de) to dekanat.mw@mailbox.tu-dresden.de and additionally to the President of the Fraunhofer-Gesellschaft, Herrn Prof. Dr.-Ing. habil. Prof. E. h. Dr.-Ing. E. h. mult. Dr. h.c. mult. Reimund Neugebauer, praezident@fraunhofer.de until March 19, 2021 (stamped arrival date of the university central mail service applies). Your application will be made available to the responsible committees of TU Dresden and the Fraunhofer-Gesellschaft.

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