

Technische Universität Dresden (TUD), as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Environmental Sciences**, the **Geodetic Institute** invites applications for the

Chair (W2) of Optical 3D Measurement

to be filled on **April 1, 2023**.

You (m/f/d) will represent the field of optical 3D measurement techniques in interdisciplinary research and teaching at the TU Dresden.

We are looking for you as a personality with an international scientific track record in the fields of development of geometric and stochastic sensor modeling in the field of geodetic and imaging measurement systems (including lidar). In addition, a research focus in the area of kinematic measurement methods, sensor technology in autonomous driving, microtomography, industrial measurement technology, or medical measurement methods is desired. Complementary to existing competences, the orientation should be on the development of methods with an engineering-scientific profile. Teaching tasks include the further development and internationalization of the study programs. Your willingness to teach English-language courses is a prerequisite, as is your willingness to actively participate in academic self-administration. In addition, active cooperation with partner institutions in the DRESDEN-concept, a research alliance of TU Dresden, and local non-university research and cultural institutions, are sought.

We expect from you a successfully profiled scientific activity in a current field of the appointment area, excellent research achievements with high development potential, experience in teaching, special didactic skills, and success in the acquisition of third-party funding. This must be demonstrated in particular by high-ranking publications, international networking and a positively evaluated teaching performance. The ability to acquire DFG projects and integrate them into existing and future large-scale interdisciplinary projects in the School of Civil and Environmental Engineering at TU Dresden is expected. Interest and ability to participate in collaborative research are required. Applicants must fulfill 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, please contact the the head of the hiring committee, Prof. Alexandra Weitkamp
Tel. +49 351 463-37115; Email: alexandra.weitkamp@tu-dresden.de.

TU Dresden strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Environmental Sciences (apl. Prof. Doris Krabel, phone +49 351 463-31857) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, phone +49 351 463-33175).

Please submit your application, including a CV in tabular form, a description of your scientific career, a list of your scientific publications, a research and teaching concept, and a list of courses taught, results of evaluations (preferably of the last three years) as well as a certified copy of the certificate of your highest academic degree in hard copy to: **TU Dresden, Fakultät Umweltwissenschaften, Dekan, Prof. Dr. Hans-Gerd Maas, Helmholtzstr. 10, 01069 Dresden** and in electronic form via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it to dekanat.uw@tu-dresden.de by **January 12, 2023** (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>.