TUD Dresden University of Technology, 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, Department of Forest Sciences, the Institute of Forest Utilization and Forest Technology invites applications for the Chair (W2) of Digitized forestry processes and systems to be filled at the earliest possible date.

You (m/f/x) are dedicated to the development, integration and optimization of digitalized processes within forest-based, biogenic value networks with special attention to interfaces and human work in research, teaching and public transfer. Its research is based on Industry 4.0 approaches and methods for the purpose of automating machines and processes. These methods include, among others, sensor technology and data-driven technologies in forestry. Sustainability, resource efficiency, protection of climate and biodiversity in the production of wood and non-wood products as well as the provision of other ecosystem services are important basic principles. Teaching essentially includes training in the bachelor's and master's degree program "Forest Sciences", in the master's degree program "Wood Technology and Wood Economics" and in other degree programs at TUD Dresden University of Technology. In particular, contents in the fields of automation of forestry processes and the application of data-driven methods are to be taught. Furthermore, forest development planning, stand treatment and personnel management under the influence of digitalization are relevant.

We particularly expect your willingness to acquire DFG projects as well as your interest to actively participate in collaborative research. Complementary to existing competencies, the orientation should be on participative and collaborative research methods. In addition, we strive for active cooperation with partner institutions in DRESDEN-concept, a research alliance of TUD with local non-university research and cultural institutions. Your willingness to teach in English is a prerequisite, as is your willingness to actively participate in academic self-administration.

We are looking for an internationally recognized individual with comprehensive competencies in the field of forest sciences, in-depth knowledge and experience in information technologies, and production systems modeling and simulation, as evidenced by relevant publications in top-tier publication venues. Your publications, international networking, and teaching evaluation results serve as evidence of this. Your research achievements have high development potential. In addition, we expect extensive experience in independent teaching and success in acquiring third-party funding.
Applicants must fulfill the employment qualification requirements of § 59 of the Act on the Institutions of Higher Education in the Free State of Saxony (SächsHSG).

For further questions, please contact the head of the appointment committee, Prof. Dr. Markus Rüggeberg, phone +49 351 463-31304; email: markus.rueggeberg@tu-dresden.de.

TUD 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 Deputy Equal Opportunities Officer of the School of Civil and Environmental Engineering (Ms. Franziska Walther, phone +49 351 463-36549) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, phone +49 351 463-33175).

We look forward to receiving your application by January 5, 2024 (time stamp on the email server or the stamped arrival date of the University Central Mail Service of TUD applies). Please attach the following documents to your letter of application: CV in tabular form, a description of your scientific career, a brief research and teaching concept, a list of your scientific publications and a list of courses taught, results of evaluations (preferably of the last three years) as well as a copy of the certificate of your highest academic degree.

We kindly ask you to submit your application by email. Please use the SecureMail Portal of TUD (https://securemail.tu-dresden.de) and send your documents in a single PDF document to: dekanat.uw@tu-dresden.de. If you are applying by regular mail, please also attach your application documents in electronic form (CD or USB thumb drive) and send them to: TU Dresden, Fakultät Umweltwissenschaften, Dekan, Herrn Prof. Dr. Peter Krebs, Helmholtzstr. 10, 01069 Dresden, Germany.

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.