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 Hydrosciences, the Institute of Urban and Industrial Water Management invites applications for the Chair (W3) of Urban Water Management to be filled as of October 1, 2025.

We are looking for an individual (m/f/x) who represents the field of urban water management and urban waste resource management in teaching and research with a focus on engineering issues. In research, the chair is expected to deal with the development and evaluation of innovative approaches towards resilient water quantity and quality management systems in settlement areas. This also includes the management of anthropogenic pollution and wastewater reuse for different purposes. One focus area of the professorship will be the coupling of transport and conversion processes across compartment boundaries. Possible further topics will concern extreme and compound events as well as the interaction between technical and natural systems (e.g. interaction of groundwater and sewer networks; rainwater infiltration or effects on surface waters). Due to the structure and cooperation with the natural sciences and engineering working groups of the Faculty of Environmental Sciences, you will be active in both applied and basic research. Furthermore, active cooperation with partner institutions in DRESDEN-concept on the topic of integrated water resource management is presupposed; DRESDEN-concept is a research alliance of TUD and local non-university research and cultural institutions, such as the Helmholtz Centre for Environmental Research - UFZ and the Dresden-based Institute for Integrated Management of Material Fluxes and of Resources of the United Nations University (UNU-FLORES). Your teaching activities will focus on students with a specialisation in hydrosciences and will partially be in English. Basic and advanced education of students in the field of urban water management and the interaction with the adjacent systems of hydrology, groundwater and surface waters will be included. The focus is on the precipitation-runoff process in urban areas, wastewater treatment using conventional and modern processes, modelling the transportation and elimination of substances in said processes, integrated water resource management and the handling of anthropogenic substances in urban water systems. The integration into teaching takes place within the framework of the bachelor's degree program in hydro sciences and the master's degree programs offered in the hydro sciences and Faculty of Environmental Sciences. Part of your task will be the further development and internationalization of these degree programs. A willingness to actively participate in academic self-administration will be required.
We expect you to have successfully distinguished yourself in academic activities in a current field of the appointment with a very good international track record, excellent research achievements with high development potential, teaching experience, special didactic skills and success in acquiring third-party funding. Your high-ranking publications, your distinctive international network and the results of your teaching evaluation serve as proof of this. In particular, we expect the ability to acquire projects of the German Research Foundation (DFG) as well as their integration into existing and future large-scale interdisciplinary projects in the School of Civil and Environmental Engineering of TUD. In addition to the general requirements under employment law, applicants must fulfill the appointment requirements of § 59 of the Institutions of Higher Education Act in the Free State of Saxony (SächsHSG).

For content-related questions, please contact the head of the appointment committee, Prof. Dr.-Ing. Christina Dornack: phone +49 351 463-44130; email: christina.dornack@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 Equal Opportunities Officer of the Faculty of Environmental Sciences (Ms. Mandy Arndt, gleichstellung.uw@tu-dresden.de; phone: +49 351 463-37521) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, schwerbehindertenvertretung@tu-dresden.de, phone: +49 351 463-33175).

We look forward to receiving your application by April 19, 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: a CV in tabular form, a description of your scientific career, teaching and research concept of 3 to 4 pages, an overview of research activities, a list of your scientific publications and patents, and a list of courses taught, results of evaluations 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, Dekanat, z. Hdn. Frau Mandy Arndt, 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.