The Institute of Groundwater Management at the Faculty of Environmental Sciences, Department of Hydro Sciences seeks to fill the position of

Chair (W3) in Groundwater Systems

from 1st of October 2020.

The successful candidate will represent the field of groundwater and its quantitative and qualitative aspects on local, regional as well as global scales in research and teaching. This includes the analysis and modelling of water, energy and material flows in porous and fractured aquifers as well as addressing problems of groundwater resources. It requires the combination of modern methods in exploration, analysis and prognosis on laboratory as well as field scale with innovative modelling approaches to deal with current problems of groundwater management, e.g. to link analysis of stable isotopes, geochemical and soil physical analyses with novel concepts of transport and (inverse) flow modelling. The teaching includes courses in the university's bachelor and master programs on fundamentals in hydrogeology of groundwater systems to undergraduate and graduate students. The active participation in further development of teaching and studies within the Faculty of Environmental Science is expected including the international master programmes “Hydro Science and Engineering” and “GroundwatCh”, both taught in English language. In addition, contributions to international postgraduate UNEP-courses offered by CIPSEM (Centre for International Postgraduate Studies of Environmental Management) are required. The duties also include participation within the selfadministration and in the academic committees of the Faculty of Environmental Sciences.

The applicant must have a broad experience and a profound knowledge of porous and fractured aquifers including exploration methods, measurement and analytical methods, stochastic flow modelling, description of (reactive) transport processes and must be able to resolve complex problems in groundwater management. A willingness to conduct collaborative environmental research is expected which explicitly includes water-related problems in natural and anthropogenic systems. Special attention will be paid to the capability for interdisciplinary cooperation, which is of outstanding significance for the joint research in the Center for Advanced Water Research (CAWR) - a co-operation between the water sectors at TU Dresden and the Helmholtz Centre for Environmental Research (UFZ). As well, the holder of the position shall cooperate on topics related to integrated water resources management with the Dresden-based Institute UNU-FLORES of the United Nations University. The candidate is required to have substantial experience in research and teaching and to have a proven record of first-class publications in one or several of the mentioned fields. Experience in the acquisition of third-party funding and project management and leadership are expected. The skills for conducting lectures in the English language are required. The responsibilities also include contribution to the joint cooperation with partners in science, development cooperation, private sector and politics and active development of corresponding projects in the future. 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 information please contact the head of the appointment committee, Prof. Stefan Stolte, phone +49 351 463-37668; email: stefan.stolte@tu-dresden.de.
TU Dresden seeks 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 offers a dual career service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Environmental Science (apl. Prof. D. Krabel, phone +49 35203 38-31857) or the Representative of Employees with Disabilities (Mr. Roberto Lemmrich, phone +49 351 463-33175).

Please submit your application with a curriculum vitae in tabular form, a description of the scientific career, a list of publications and acquired projects, a portfolio of courses taught including evaluation results of the last three years, a description of the research and teaching programme you intend to pursue at the Technische Universität Dresden, copies of your five most important publications and a certified copy of the certificate of the highest academic degree until 30.09.2019 (stamped arrival date of the university central mail service applies) as one hard copy to: TU Dresden, Dekan der Fakultät Umweltwissenschaften, Herr Prof. Dr. rer. nat. Lars Bernard, Helmholtzstr. 10, 01069 Dresden and in electronic form (one pdf document) via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it to dekan.uw@tu-dresden.de.

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