

The Brandenburg University of Technology Cottbus-Senftenberg (BTU) bundles top-level research and transfer at an international level, thereby creating an interdisciplinary innovation network and an excellent science and technology location. Together with its renowned partners, the BTU forms the Lausitz Science Network - an alliance of research institutions that together want to further develop the strengths of the science location Cottbus-Senftenberg and increase its visibility. Through innovative research and new teaching and learning formats, the BTU is shaping the future: with scientific findings and practice-relevant solutions, it is helping to shape the major issues of the future and transformation processes. In four profile lines - "Energy Transition and Decarbonization," "Health and Life Sciences," "Global Change and Transformation Processes," and "Artificial Intelligence and Sensor Technology" - it combines its strengths in teaching and research across institutes and faculties.

At its locations in Cottbus and Senftenberg, the BTU guarantees its students a challenging education, individual support and the opportunity to learn from and with each other with curiosity and openness. The BTU stands for an inspiring atmosphere of learning and research in a dialogical, democratic cooperation of all: The diversity of our faculty and students enables innovation and progress in Lusatia.

The Faculty of Environment and Natural Sciences invites applications for a

## PROFESSORSHIP (W3)

# Hydrology (Hydrologie)

commencing on April 1st 2026.

The Institute of Environmental Sciences and Environmental Technology of the Faculty of Environment and Natural Sciences at BTU Cottbus-Senftenberg (<https://www.b-tu.de/en/fakultaet2>) invites applications for a full Professorship in Hydrology (W3). The Institute of Environmental Sciences and Environmental Technology is a highly interdisciplinary association of different departments that address current environmental issues in research and teaching. It benefits from close collaboration and joint professorships with external institutions, such as Leibniz Centre for Agricultural Landscape Research (ZALF), Helmholtz Centre for Environmental Research (UFZ), or Federal Institute for Geosciences and Natural Resources (BGR). The topic of water plays a central role at the BTU and in the Lusatia region. The consequences of lignite mining and the changes in the water balance caused by climate change require strategic water management for Lusatia and beyond the region. The new professor will complement the existing expertise in water-related environmental research and work on fundamental environmental issues at the groundwater-surface water-atmosphere interface. The focus will be on ecohydrological processes, the analysis of land use changes and the management of water resources in a changing climate. Applicants are internationally recognized experts in the areas mentioned. The range of methods includes numerical modelling, the application of machine learning methods, the analysis of hydrological environmental data and/or the implementation of field experiments. Applicants have demonstrated their ability to lead a research group and to acquire third-party funding.

A strong commitment to teaching at Bachelor's and Master's level within the existing study programs 'Environmental and Resource Management', 'Landnutzung und Wasserbewirtschaftung', and 'Umweltingenieurwesen' is expected as well as active participation in the future study program 'Umweltwissenschaften'. At BTU, undergraduate level courses are generally taught in German and graduate level courses in English. The willingness to teach in both languages is a prerequisite.



The BTU carries the seal of quality of The German Association of University Professors and Lecturers (Deutscher Hochschulverband, in short DHV). She is thus honored for her fair and transparent negotiations on the appointment of new professors.

### **We are looking for:**

We are looking for a nationally and internationally recognised personality with experience in the fields of hydrology and water management – proven by an outstanding research portfolio and documented experience in teaching. The professorship should represent the above-mentioned fields in research and teaching within the Bachelor's and Master's degree programmes in German and English. If there is no sufficient knowledge of German, the willingness to learn the German language as quickly as possible is mandatory to allow teaching within the German-language Bachelor's degree programmes and to be able to contribute to the management of the institute and the faculty and to participate in university and non-university committees. The candidate is expected to collaborate with the departments of the Institute and to actively participate in the planning and establishment of interdisciplinary collaborative research projects and networks as well as their coordination and management at both national (DFG funding programs) and international (EU) level.

### **Your profile:**

As a future professor, you can provide evidence of the following requirements in accordance with § 43 Para. 1 No. 1 to 4a Brandenburg Higher Education Act (BbgHG):

- a completed university degree in hydrology, environmental engineering, geosciences or a related subject area,
- pedagogical aptitude,
- a special aptitude for academic work, as a rule through the outstanding quality of a doctorate on a hydrological subject, and
- a habilitation or additional academic achievements as an equivalent.

Furthermore, you have experience in the acquisition of third-party funding and in the implementation of third-party funded projects, ideally in interdisciplinary networks, whereby experience with DFG and EU projects is particularly desirable.

Your university teaching experience enables excellent teaching for the subject area to be filled here. You have the ability to teach at all curricular levels from bachelor's to doctorate, to supervise theses and to support young academics. Your knowledge and experience enable you to participate in academic self-administration and in raising the profile of the faculty.

### **We offer:**

- fair and transparent appointment negotiations,
- attractive working conditions in a city with a high quality of life and in relative proximity to Berlin, Dresden and Leipzig,
- a dynamically developing research location,
- support in relocating to the immediate vicinity of your place of employment,
- comprehensive advice in the dual-career service and in the area of family orientation, and
- an attractive salary with a negotiable appointment benefit.

Other duties result from the requirements set by § 44 BbgHG in conjunction with § 3 BbgHG.

For further information please contact Prof. Dr. Dominik Martin-Creuzburg, Tel. +49 (0)33631 8943 / email: Dominik.Martin-Creuzburg@b-tu.de.

Please refer to §§ 43 paragraph 1 No 1 – 4a and 45 BbgHG for prerequisites and conditions of employment.

BTU is committed to equal opportunities and diversity and strives for a balanced gender ratio in all employee groups. Persons with a severe disability and their equals are given priority in the case of equal suitability.



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As a family-oriented University, BTU offers a Dual Career Service.

Information on appointment management including the legal basis as well as the status of ongoing appointment procedures can be found at: <https://www.b-tu.de/en/university/career/professional-appointment-management>.

**The application, including academic certificates, curriculum vitae, a list of publications, as well as proof of teaching experience, should be sent by e-mail in a single pdf file with max. 7 MB until 28.10.2024 to:**

**E-Mail: [fakultaet2+bewerbungen@b-tu.de](mailto:fakultaet2+bewerbungen@b-tu.de)**

**Dekan der Fakultät Umwelt und Naturwissenschaften,  
postal address: BTU Cottbus - Senftenberg, Postfach 101344, 03013 Cottbus.**

When sending your application by unencrypted e-mail, please be aware of the risks regarding the confidentiality and integrity of your application content and please also note the data protection information on the BTU website.



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