

The **Brandenburg University of Technology Cottbus-Senftenberg (BTU)** combines cutting edge 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 Cottbus-Senftenberg science location 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, 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

JUNIOR PROFESSORSHIP (W1)

Industrial Environmental Protection

(Industrieller Umweltschutz)

with tenure-track option to a W3-Professorship commencing at the earliest opportunity.

The research objective of the junior professorship should be the recovery of valuable materials from low-concentrated liquid, pasty and/or solid media. The focus should be on the recovery of inorganic substances using physical, physicochemical and chemical methods. To achieve this, new processes and technologies have to be developed. Perspectively, participation in the construction and operation of a research and demonstration test side for innovative water and wastewater technology with focus on the recovery of valuable materials from industrial wastewater and other residues is expected. This test side opens the opportunity to transfer developed processes into technical scale.

We are looking for:

a nationally and internationally recognised personality with experience in the fields of recovery of low-concentrated recyclables – proven by relevant publications. Methodologically, sustainable solutions for new technologies or the further development of modern sustainable processes, e. g. on the basis of membrane processes, membrane electrics, etc. are expected.

The junior professorship should represent the above-mentioned fields in research and teaching at the programs "Environmental Engineering", "Environmental and Research management" and in other degree programmes at the BTU, as well as perform teaching duties in 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 soon as possible is required, which ensures the cooperation in the management of the institute, the faculty and in university and non-university committees as well as the teaching of the Bachelor's degree programmes in German.

Your profile:

As a future junior professor, you can provide evidence of the following requirements in accordance with § 47 Para. 1 Brandenburg Higher Education Act (BbgHG):



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.

- a completed university degree (Engineering sciences, chemistry or comparable),
- pedagogical aptitude and
- a special aptitude for academic work, as a rule through the excellent quality of a doctorate.

Furthermore, you have experience in the acquisition of third-party funding and in the implementation of third-party funded projects. Your research topics should be relevant to the DFG or comparable international research funding institutions.

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. M. Martiensen, Tel. +49 355 694304 / email: mar-ion.martiensen@b-tu.de.

The requirements and conditions for appointment are set out in §§ 47 and 48 BbgHG. According to § 47 Para. 2 BbgHG, the periods of full-time academic activity between the last examination performance of the doctorate and the application for a junior professorship may not exceed six years. These periods shall be extended to the extent of a reduction in working hours by at least one fifth of the regular working hours granted for the care or nursing of one or more children under the age of 18 or other relatives in need of care; in the case of care or nursing of children under the age of 18, they shall be extended by two years per child even without a reduction in working hours. Exceptions to the provisions of sentences 1 and 2 are only permitted in specially justified cases.

Persons who fulfil the requirements for a university professorship according to § 43 Para. 1 No. 4a BbgHG cannot be considered in this selection procedure.

According to § 48 BbgHG, junior professors are appointed as temporary civil servants for a period of up to four years. If the interim evaluation is positive, the appointment is to be extended to a maximum of six years. After successful probation during the six-year junior professorship, there is the option, within the framework of the tenure track, to transfer a professorship of grade W3 to the holder of the post after an appointment procedure has been carried out.

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.

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>.



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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 11.12.2024 to:

E-mail: fakultaet2+bewerbungen@b-tu.de

Dekan der Fakultät Umwelt und Naturwissenschaften,

postal adress: 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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www.b-tu.de/stellenangebote