

The **Brandenburg University of Technology (BTU) Cottbus-Senftenberg** is a young university that is actively helping to shape the structural change in Lusatia to phase out lignite and is providing scientific support for transformation processes in many ways. In the coming decades, the region will be one of the most exciting real laboratories in Germany, from which groundbreaking development impulses are to emanate. Employment at the BTU therefore promises more than ever participation in development processes towards a sustainable and climate-friendly future.

The Faculty of Mathematics, Computer Science, Physics, Electrical Engineering and Information Technology invites applications for a

PROFESSORSHIP

Computational Materials Modeling (W2)

commencing at the earliest opportunity.

The Department of Physics welcomes applications from outstanding candidates which are internationally renowned in the field of numerical calculation of material properties. The professorship is intended to strengthen the collaboration between theoretical and experimental disciplines at the Department of Physics, but also to further promote cooperation with non-university institutes in the Berlin-Brandenburg research area.

Possible main topics include, for example, light-matter interaction in nanomaterials such as 2D materials or perovskites, the growth dynamics of semiconductor nanostructures, the calculation of electronic surface states or catalyzed chemical surface reactions. We especially encourage applications from candidates with a comprehensive expertise in the modeling of material properties and processes, e.g. using DFT, molecular dynamics simulation and multi-scale methods. Research topics that offer new links to existing joint projects at the BTU Cottbus-Senftenberg are also of particular interest.

The candidate will be expected to perform teaching at all levels, in particular participation in the introductory theoretical physics classes and in the specialization area of the international physics master's program.

Lectures are to be held in German and English, fluency in English is expected.

Experience in the acquisition and realisation of third-party funded projects is expected. Fields of research should be relevant for the DFG (German Research Foundation) or similar international research funding organisations.

For further information please contact Prof. Dr. Götz Seibold, Tel.: +49 355 693006 / email: seibold@b-tu.de.

Other duties result from the requirements set by § 42 Brandenburgisches Hochschulgesetz (Higher Education Act of the State of Brandenburg - BbgHG) in conjunction with § 3 BbgHG. Please refer to §§ 41 paragraph 1 No 1 – 4a and 43 BbgHG for prerequisites and conditions of employment.

BTU Cottbus-Senftenberg 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.

The BTU aims to increase the proportion of women in research and teaching and therefore strongly encourages qualified female applicants to apply.

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



Die BTU trägt das Gütesiegel des Deutschen Hochschulverbandes (DHV). Sie wird damit für ihre fairen und transparenten Verhandlungen zur Berufung von neuen Professorinnen und Professoren ausgezeichnet.

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 26.09.2022** to:

email: fakultaet1+bewerbungen@b-tu.de

**Dekan der Fakultät für MINT – Mathematik, Informatik, Physik, Elektro- und Informations-
technik**

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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