

At the **Brandenburg University of Technology Cottbus-Senftenberg**, the following position is available at the **Chair of Energy Economics, Faculty of Mechanical Engineering, Electrical and Energy Systems** for the earliest possible date:

Research fellow (m/f/u)  
E 13 TV-L 80 %, limited until 31.03.2025

**Reference number: 128/22**

The Chair of Energy Economics is looking for a researcher for the BMBF-funded project "**System analysis of transport solutions for green hydrogen (TransHyDE)**" (German: Systemanalyse zu Transportlösungen für grünen Wasserstoff) who will be at the forefront of scientific research on economic modelling and energy system analysis and work on both empirical and methodological advancements. The advertised position is an excellent foundation for a successful career in academia, consulting or industry.

Information on the project: <https://www.wasserstoff-leitprojekte.de/leitprojekte/transhyde>

The Chair of Energy Economics contributes to the energy transition with high-ranking scientific publications, externally funded projects, and teaching. We research optimal market design with high shares of renewable energies as well as the economics of energy plants and technologies (e.g. power-to-heat concepts) and the optimization of system integration (e.g. by improved generation forecasts).

About the Chair: <https://www.b-tu.de/en/fg-energiewirtschaft>

#### **Task:**

Together with our project partners from academia and industry, you will work on the mentioned research project. You will actively participate in the energy economics discussion by publishing in scientific journals and presenting the ongoing research results at international conferences. The position assumes pursuing a PhD degree (unless it is completed already).

#### **Prerequisites:**

A university degree (master's degree/university diploma/equivalent) in a scientific field relevant to the position (industrial engineering, economics or mathematics, electrical engineering or comparable) is required. In addition, the ability to work in a structured, independent and scientific manner, teamwork, flexibility, and communication skills are expected. The position requires good German and English. Experience and interest in the application and development of quantitative analysis methods, as well as programming experience (e.g., R, PYTHON, GAMS) are an advantage.

#### **Research work:**

- scientific work within the research focus of the chair;
- management and execution of the externally funded project "TransHyDE";
- presentations, scientific publications on the research subjects, contribution to project-related publications (e.g., technical reports);
- own in-depth scientific work for a PhD degree and scientific achievements;
- further research-related administrative tasks.

For further information about the vacant position, please contact Prof. Dr. Felix Müsgens (e-mail: [fg-energiewirtschaft@b-tu.de](mailto:fg-energiewirtschaft@b-tu.de), phone: +49 (0)355 / 69-4504).

- We value diversity and therefore welcome all applications—regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation and identity.
- BTU Cottbus-Senftenberg strives for a balanced gender ratio in all employee groups.
- Severely disabled applicants will be given preferential consideration if they are equally qualified.
- The submission of application photos is not required.
- Please note the more [detailed information on the selection process](#) on the BTU website (in German).

Please send applications, stating the reference number, exclusively by e-mail in PDF format by **29.09.2022** to the **Dean of the Faculty of Mechanical Engineering, Electrical and Energy Systems, Brandenburg University of Technology Cottbus-Senftenberg:**

**E-mail:** [fakultaet3+bewerbungen@b-tu.de](mailto:fakultaet3+bewerbungen@b-tu.de)



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