

# Gemeinsam Zukunft gestalten



Brandenburgische  
Technische Universität  
Cottbus - Senftenberg

working hours: Fulltime  
time limit: limited for 4 years  
remuneration: E13  
start: as soon as possible  
application deadline: until 2026-01-07  
place of work: Cottbus

We are a young, up-and-coming technical university in the heart of Lusatia, which uses scientific expertise to develop practical solutions for shaping impactful topics and transformation processes of the future worldwide.

At the Department of Energy Economics, scientists conduct research in the areas of Energy Data Analytics, Energy Systems Modeling and Behavioral and Experimental Economics on the energy transition.

#### **Behavioral and Experimental Economics:**

We investigate how and under what conditions human preferences and decisions can influence the success of the energy transition. This includes topics such as acceptance, participation, and behavior that leads to energy savings. We collect data in our Laboratory for Experimental Economics with participants at our Cottbus location and through lab-in-the-field and field experiments with affected stakeholders on site. We also use virtual reality to make the effects of current and future energy infrastructure measures tangible.

**Energy Systems Modelling:** We conduct cutting-edge research in the field of energy systems analysis, using quantitative methods from operations research to answer empirical questions. Our research analyzes optimal pathways for decarbonizing the energy system, emission factors, investment decisions, and the market integration of hydrogen. The development, implementation, and evaluation of numerical optimization models, with a particular focus on uncertainty, are among our core competencies.

The following position is available in the Faculty of Mechanical Engineering, Electrical Engineering and Energy Systems, at the Department of Energy Economics:

## Academic Staff Member (m/w/d) (PhD / Habilitation Position)

### For Behavioral and Experimental Economics or Energy Systems Modelling



#### Your area of responsibility includes in particular:

##### Teaching, including:

- Participation in fulfilling the teaching duties of the department according to content and methodological guidelines, currently for the degrees in Industrial Engineering, Electrical Engineering, Mechanical Engineering, and Business Administration, to impart specialist knowledge, practical skills, and instruction in the application of scientific methods
- Preparation, implementation, and follow-up/evaluation of exercises and practical courses, collaboration in the preparation of lectures and seminars, and other teaching-related administrative tasks
- Development and updating of teaching materials, resources, and work sheets
- Preparation, administration, and evaluation of oral and written examinations; participation in the supervision of student research projects and theses

##### Research, including:

- Scientific work within the research focus of the department, including planning, programming, execution, and evaluation of laboratory and field studies on the energy transition, and development, programming, and evaluation of energy system models
- In particular, participation in the preparation and implementation of externally funded projects (BMFTR, DFG, industry projects)
- Presenting and publishing on research topics, and contributing to reports and presentations
- Cooperation with our academic and industrial project partners

- Further research-related administrative tasks
- Independent, in-depth scientific work in preparation for a doctorate or postdoctoral thesis, or to provide additional scientific services amounting to at least one-third of the respective working time



### Your requirements profile:

- ✓ Completed university degree (Master's/university diploma/equivalent) in a relevant field for the position (economics, industrial engineering, natural sciences, electrical engineering, psychology, neuroscience or comparable) and, for the habilitation, a completed doctorate in a relevant field for the position

### The following knowledge is required:

- ✓ Solid knowledge of statistics and/or operations research
- ✓ very good English language skills (orally and in writing)
- ✓ good German language skills (orally and in writing)

### The following knowledge is also an advantage:

- ✓ Ability to work scientifically, independence, flexibility, teamwork and communication skills
- ✓ ü a high degree of diligence and responsibility



### What we offer!

- Contribute to exciting and dynamic research projects in structural development with international impact
- Excellent conditions for your academic qualifications and research, including an experimental laboratory and an extensive database of potential participants for conducting laboratory experiments in the field of Behavioral and Experimental Economics
- A supportive work environment in a highly dedicated team
- 30 days of vacation and flexible, family-friendly working hours
- Option for remote work
- Job ticket
- Comprehensive professional development and health benefits
- And much more

Take your chance and shape the future together with us!



Further [notes and information on selection procedures](#) have been compiled in the separate document.

Please submit your application documents as a single PDF file, quoting the reference number, exclusively by email to the Dean of the Faculty of Mechanical Engineering, Electrical Engineering and Energy Systems, Brandenburg University of Technology Cottbus-Senftenberg, by 07.01.2026 to: [fakultaet3+bewerbungen@b-tu.de](mailto:fakultaet3+bewerbungen@b-tu.de).

For further information about the open position, please contact either Dr. Niklas Ziemann (email: [niklas.ziemann@b-tu.de](mailto:niklas.ziemann@b-tu.de), phone: +49 355 69-5074) regarding Behavioral and Experimental Economics or Silvian Radke (email: [silvian.radke@b-tu.de](mailto:silvian.radke@b-tu.de), phone: +49 355 69-4513) concerning Energy Systems Modelling.

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