With around 17,000 students and 3,800 employees, Technische Universität Braunschweig is the largest Institute of Technology in northern Germany. We are known for our strategic and performance-oriented thinking and acting, top-level research, highly committed lecturers and a successful transfer of knowledge and technologies into industry and society. We are dedicated to creating a family-friendly environment and advocate for equal opportunities.

Our core research areas are Mobility, Engineering for Health, Metrology, and the City of the Future. A strong focus is placed on engineering and the natural sciences, with a close link of our core disciplines to the economics, social and educational sciences as well as the humanities.

Our campus is located in the middle of one of Europe’s research hotspots, where we have established a successful working relationship — both with the more than 20 research facilities in our neighbourhood and our international partner universities.

Starting from 01.01.2024, the Coastal Research Center is looking for a Senior Research Associate (m/f/d) in the field of Coastal and Ocean Engineering.

**Senior Research Associate (m/f/d) in the field of Coastal / Ocean Engineering (full-time – permanent)**

The position is to be filled on a permanent basis. The Coastal Research Center is a joint research unit of Technische Universität Braunschweig and Leibniz University Hannover with a 40-year successful history in collaborative research. The Coastal Research Center has a profound and demonstrated expertise in large-scale experimental research, from classic coastal protection works (i.e., dikes, revetments), nature-based solutions to coastal protection and climate adaptation (i.e., salt marshes, dunes, nourishments), coastal dynamics and sediment transport, to offshore wind engineering including scour dynamics and protection, offshore renewable energy (tidal, wave), offshore aquaculture (i.e., shellfish longline farms) to natural hazard assessment (tsunami, extreme wind waves).

The Coastal Research Center operates one of the largest wave current flumes worldwide (GWK+), with unique large-scale components such as a combined wave-current generation system, dynamic tidal water level adjustment, a 32 m long and up to 6 m deep pit, and the largest and most powerful wave maker to allows for wave heights of up to 3 m. A 1:10 reduced-scale sister-flume (miniGWK+) allows faster access and comparison experiments in preparation of large-scale experiments. The Coastal Research Center’s portfolio of additional experimental facilities that is marketed through the center is long: 2 large wave basins with wave/wave-current capabilities, a 90 m long tsunami flume, 2 mid-scale wind-wave flumes, a race-track flume, a 32 m long wave-current saltwater flume, an arctic climate cold room with wave-current flume and educational facilities enabling teaching and practical classes.

The post will be located at the campus Marienwerder, of Leibniz University Hannover, Hannover, Germany. The advertised role will join into a collegial lead of the Coastal Research Center. The position will act as a crucial link between the university institutes, the board of directors and the research staff at the Coastal Research Center. The advertised role comprises elements of research, teaching and administration.

**Make a Difference:**

- You will carry out research in the area of Coastal / Ocean Engineering
- You will apply for and work on research projects
- You will publish research findings and participate in national and international conferences
- You will be involved in teaching at the University (preparation and implementation of courses as well as supervision of students’ work).
Your Qualifications:

- You have a Master's degree (or equivalent) and doctorate in the field of Coastal / Ocean Engineering
- You have very good knowledge of the German and English language
- You have experience in experimental modelling in the field of Coastal / Ocean Engineering
- You are flexible, can perform under pressure and work well in a team.

Our Benefits:

- Pay in accordance with the collective agreement TV-L, pay grade E14, depending on the assignment of tasks and fulfilment of personal requirements
- A special payment at the end of the year as well as a supplementary benefit in the form of a company pension, comparable to a company pension in the private sector
- You will work in a very well equipped and world-class coastal/ocean engineering laboratory
- Interesting and diverse tasks in a pleasant working atmosphere with a friendly and motivated team
- A workplace that is basically suitable for part-time work, although the position is to be filled full-time, as well as flexible working and part-time options and a family-friendly university culture, awarded the “Family-friendly university” audit since 2007
- A wide range of continuing education and company health care programmes as well as a vibrant campus life in an international atmosphere.

What's more to know:

We welcome applicants of all nationalities. At the same time, we encourage people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a form of evidence of your handicap to your application. We are also working on the fulfillment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (*Niedersächsisches Gleichberechtigungsgesetz*—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women are particularly welcome in this case.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at [https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen](https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen). Application costs cannot be reimbursed.

Questions and Answers:

For more information, please call Univ.-Prof. Dr.-Ing. habil. Nils Goseberg on +49 (0) 531 391-3930.

Closing date: 30.09.2023

Are you interested? Please send your application preferably via email to n.goseberg@tu-braunschweig.de

or via mail to

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