

Technische Hochschule Lübeck is a forward-looking university with a strong foundation of excellent teaching and research. Around 5000 students and 130 professors across four departments study, teach and research here, supported by around 330 members of staff. The profile of TH Lübeck - technology, resources, living environments - is based on the key subject areas in the fields of technology, natural sciences, architecture and economics. With our expertise and experience we have enjoyed extraordinary success and national renown in digital teaching, with international study programmes, and in research and transfer. High quality, practically-oriented teaching and applied research provide our students with the best possible preparation for the labour market. If you would like to contribute with us to developing Technische Hochschule Lübeck still further, come to the Lübeck campus to a town that offers an extremely high quality of life!

Technische Hochschule Lübeck is seeking, at the earliest opportunity, to appoint, in the Department of Electrical Engineering and Computer Science, a

**Research Associate (m/f/o)**  
(for the field of Immersive Media)  
**-Reference No. 8.329-**

on a temporary contract until 31.12.2024.

Should the pay scale terms and conditions be met, the post will be categorised up to remuneration group 13 as per the remuneration structure under the collective public sector wage agreement for the federal states (TV-L). The hours of work will amount to 50% of the set hours of work for full-time employment (currently 19.35 hours / week).

The appointment falls within Collaborative Research Centre 1461 “Neurotronics: Bio-inspired Information Pathways” of the DFG. The post is integrated within the *Science Outreach Project (SOP)*. The objective of the SOP, which is entitled: “Design and evaluation of immersive media environments addressing barriers and opportunities of a biologically inspired artificial intelligence”, is to reconstruct the research questions, scientific methods and technological developments for the design of effective outreach formats and environments. The project is aimed at different groups of non-experts, primarily the general public and school students as future citizens and scientists, but also at (junior) researchers within the CRC. With the focus on the design of immersive media, the SOP links research from emotion research and scientific education on the one hand, and the CRC research on the other. The prototypical development of outreach tools in this SOP is accompanied by empirical studies into the previous (mis)conceptions of the public (about artificial intelligence, natural and artificial neural networks etc.) and the emotional reactions of the users in an immersive media environment; these studies will assist in measuring the effectiveness of the media prototypes developed.

Within this area, an individual in-depth study and topic identification in this field is desirable.

If you show scientific aptitude, there is a possibility of working towards a doctorate via cooperating universities.

Your tasks:

- Design and modelling of 3D assets
- Creation of immersive virtual environments (IVE)

- Programming of interactions
- Scientific tests with regard to the effect of the immersive formats developed (planning, execution and analysis of the results)
- Participation in academic conferences and workshops
- Authoring of scientific publications

You will have the following skills and qualifications:

- A completed university degree (Master's or diploma) or a completed doctorate in media informatics, computer science or media
- Experience in media research and development
- Excellent knowledge in the area of 3D modelling and programming in C#
- Good knowledge of Unity3D
- Experience in the field of virtual reality
- You will have a high level of motivation to familiarise yourself with an interdisciplinary research topic
- Excellent communication skills to facilitate constructive teamwork
- Proficiency in spoken and written English

We offer:

- Highly interesting and varied activities with plenty of autonomy in a committed team
- Independent work with a degree of freedom in your own area of responsibility
- A variety of opportunities to manage your own hours of work to achieve a better work-life balance
- A family-friendly atmosphere and programmes to support combining your career with family commitments
- This appointment is governed by the collective agreement for public sector workers in the federal states (TV-L).
- Encouragement of your professional and personal development and extensive in-house programmes
- Possibility of a pension (VBL = Federal & State Public Sector Pension Agency)

Should you have any questions regarding the content of the post, please feel free to contact Professor Dr. Isabella Beyer (email: [isabella.beyer@th-luebeck.de](mailto:isabella.beyer@th-luebeck.de)).

Flexible working time models are available by agreement. We expressly welcome applications from candidates with a migrant background. We promote the employment of people with disabilities. For this reason, applications from suitably qualified disabled candidates will be given priority. This advertisement is directed equally at employees of the state of Schleswig-Holstein and external applicants.

The Total E-Quality award was conferred upon Technische Hochschule Lübeck for the fourth time in July 2020. The award is granted to organisations that successfully implement equal opportunities in their human resources and organisational policies, as well as offering a range of opportunities in support of combining employment with family commitments.

The university strives to achieve equal numbers of female and male employees in the workforce. If they possess equal qualifications, aptitude and professional expertise, female candidates will be given priority in areas where they are underrepresented.

We expressly request that you do not supply a photograph with your application. Please send your comprehensive application quoting the reference number and combined in a single PDF file by **17.08.2021** to: [bewerbungen@th-luebeck.de](mailto:bewerbungen@th-luebeck.de).

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Abteilung I Personal  
**Reference No. 8.329**  
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