

The Institute for Information Bremen at the University of Bremen is offering two positions for a:

Research Assistant (doctoral researcher) (f/m/d) (100% of full-time weekly working hours, pay group 13 TV-L)
from 1.1.2025 until 31.12.2028.

The two positions are part of the DFG and FWF-funded Research Unit 5656 “Communicative AI: The Automation of Societal Communication” in project P9 “Higher Education: ComAI for learning and teaching” (Principal Investigator: Prof. Dr. Andreas Breiter).

The Research Unit investigates how societal communication changes with communicative AI. The focus of the first funding period (2025 - 2028) is on the emergence and constructions of communicative AI. Research will focus on the pioneer communities of communicative AI, their interfaces, the legal handling of AI, and its governance by corporations, as well as the appropriation of communicative AI in journalism, public (online) discourse, personal life, health, and in learning and teaching. Our research uses highly innovative methods from the social sciences and HCI, including digital and computer-aided methods. For more information on the Research Unit and various opportunities for doctoral researchers, please visit the website <https://www.comai.space>.

Job description

The project P1 is based at the ifib (www.ifib.de) in close collaboration with the in collaboration with the Center for Media, Communication and Information Research (ZeMKI). We are investigating how universities take up technological changes and requirements from the social discourse for the transformation of teaching and learning and their administrative processes, and at the same time try to address the inequalities that are inherent in communicative AI. This also raises the question of how communicative AI can be integrated into long-term operations and thus into the IT governance of universities. We focus on the German higher education system and contextualize the developments based on analyses of US-American universities. From an interdisciplinary perspective, we use social science methods (Soc position: interviews, focus groups and surveys) on the one hand and methods from business informatics (BI position: process modeling, software analyses, architecture models) on the other.

Tasks

Both positions are responsible for tasks related to the theoretical and methodological conception, as well as data collection and analysis.

Position Soc: Social science/educational science:

- Qualitative interviews with teachers, students, university management at German and US-American universities

- Statistical secondary analyses of large-scale student surveys in Germany and the US
- Document analysis of policy documents and regulations

Position BI: Business informatics:

- Process analysis and modeling of workflows (with BPMN)
- Analysis of system architecture (enterprise architectures)
- Software analysis (algorithms, AI models)
- Qualitative interviews with CISO, data protection officers, data center managers, service providers at German and US-American universities

Overarching tasks:

- Close collaboration between the two focal areas (Soc and BI)
- Data management and documentation, including collaboration on the development of the research group's "ComAI Research Space"
- Collaboration in project-related publications, events and networking activities

The position offers the possibility of a doctorate at the University of Bremen. It is expected that this is done in the thematic field of the project. It should be completed in 2028.

Application requirements

- - Very good Master's degree or comparable
 - in social sciences or education science (Soc position) or
 - in computer science or business informatics (BI position)
 - or related fields in each case
- - Good knowledge in at least one of the following areas
 - Communication and media studies, sociology of technology or critical data studies, educational institutions (Soc position)
 - Business processes, system architectures or IT governance (BI position)
- Experience with or good knowledge of
 - qualitative and quantitative methods (Soc position)
 - Business process modeling (BI position)
- Interest in interdisciplinary research
- Very good knowledge of German and very good knowledge of English (written and spoken)
- Strong communication skills and willingness to collaborate within the project team and Research Unit

General information

The ifib intends to increase the proportion of women in the academic field and therefore expressly encourages women to apply. Severely disabled applicants with essentially equal professional and personal qualifications will be given priority. Applications from

individuals with a migration background are welcome.

If you have any questions regarding the job advertisement, please email Andreas Breiter (abreiter@ifib.de).

Please send applications with the usual documents (CV, MA thesis, any other publications, certificates) by **27.09.2024**, quoting the **reference number ComAI-Soc/24** or **ComAI-BI/24** by e-mail (as one file in PDF format) to Cinja Straube (cstraube@ifib.de).

Travel expenses for job interviews are covered.