



3 Ph.D. positions (m/f/d)

The **doctoral program Empowering Digital Media (EDM)**, funded by the Klaus-Tschira Foundation, invites applications for 3 Ph.D. positions (m/f/d) at the **University of Bremen**, Germany, to be filled as soon as possible. Successful candidates will receive a stipend in the amount of **1,500 EUR per month for 36 months**.

About EDM

The digital revolution has fundamentally impacted all parts of our society. Today, computer technology is deeply interwoven with every part of our lives. The digital revolution affected the economy, politics, social life, private communication, education, and even the way affective bonds between humans are established and maintained. These effects are also reflected in the economic development where there are hardly any industries that are not being rolled over by new, digitally-empowered players – from the medical domain to the entertainment industry.

The goal of the doctoral program is to research the role of digital media in the digital revolution and to design, develop and evaluate novel user interfaces and artifacts. These can support us in the transition phase, help to build interactive systems that – in the long run and in a sustainable way – are beneficial for humans in their everyday life in long-term use and in the non-isolated environment of a digital ecosystem where a limited set of users are not confronted with only a single technology for only limited time.

Possible areas of research include but are not limited to

- User Interface Design and User Experience
- VR and AR Interaction
- Exergames and Games for Health
- Using AI in Games
- Usable Security
- Machine Learning and Natural Language Processing

Requirements

Candidates are required to hold a Master's degree (or equivalent) in Computer Science, Digital Media, or a related discipline. They should be highly motivated to independently develop and conduct a research project at the intersection of digital media, human-computer interaction, cognitive systems, security, robotics and artificial intelligence. At the same time, they should be interested in engaging with the other members of the doctoral program and taking part in offered courses and activities. For this, good English language skills are required. The ideal candidate is experienced in designing and/or developing new user interfaces.

Application

Please send your application including a letter of motivation, CV, degree certificates (including a list of courses and grades) and a one-page description of your research interests and how they could develop into a Ph.D. project within the scope of the doctoral program **Empowering Digital Media until July 31th, 2022** to

Prof. Dr. Rainer Malaka Digital Media Lab Universität Bremen 28334 Bremen / Germany
or by e-mail in a single pdf file to dm-sekr@tzi.de.

The University of Bremen aims at increasing the number of women in science and therefore explicitly encourages applications from female candidates. Disabled persons will be given preference in case of equal qualification.

Further Information

Further information about the doctoral program Empowering Digital Media (EDM) can be found at <https://www.uni-bremen.de/en/dmlab/graduate-school/>.

EDM is part of the Minds, Media, Machines Integrated Graduate School (MMMIGS) that connects doctoral programs within the high-profile area Minds, Media, Machines at the University of Bremen and supports doctoral candidates and their supervisors with a demand-tailored qualification program, networking opportunities, funding and advisory services.

The University of Bremen has approximately 23,500 students from over 100 countries, offering a broad range of benefits such as sports facilities, cultural activities, and daycare.