Chair for Human-Centered Technologies for Learning TUM School of Social Sciences and Technology Technische Universität München



Technical University of Munich (TUM) is one of Europe's leading research universities. Since its founding in 1868, it has been committed to excellence in research and teaching at the highest international standards.

The Chair for Human-Centered Technologies for Learning at **TUM** is looking for a

Research Associate (m/f/x)

in Munich (100%, TV-L E13, from 01.10.2025)

About us

The DFG-funded Collaborative Research Centre **SHARP** 'Simulation-based learning in higher education: Advancing research on process diagnostics and personalised interventions' contributes to theory-building on personalised learning using simulations in higher education. As a joint research context, SHARP focuses on diagnosing and intervening as two highly relevant professional practices in many academic professions.

Subproject Information Infrastructure (INF) will develop the SHARP-specific part of the technical and data infrastructure. It will provide expertise and technology to ensure a state-of-the-art technical implementation of personalised simulations supported by artificial intelligence for experimental studies in the SHARP research projects. The open position is located at the Chair for Human-Centered Technologies for Learning (Prof. Enkelejda Kasneci). The project is being conducted in collaboration with the LMU and the LRZ.

Your tasks and responsibilities

- Conduct and innovate core research on Al-enhanced simulation-based learning, co-design adaptive simulation prototypes with real-time process diagnostics, and analyse rich multimodal data (eye-tracking, video, text, etc.).
- Disseminate knowledge and shape the field through publications in leading journals, release reproducible code and datasets, and integrate cross-project insights to advance the CRC SHARP research agenda.

Strengthen the research ecosystem through data stewardship and mentoring in interdisciplinary projects

Your qualification

- You have an excellent Master's or PhD degree in the field of computer science or related disciplines.
- You are interested in interdisciplinary collaboration and working in research teams.
- You have very good knowledge of AI methods, programming languages, and statistics.
- You have very good written and spoken English skills and good written and spoken German skills.

Benefits

- We offer the opportunity to gain further academic qualifications.
- Contributing to the CRC SHARP, you will become part of an interdisciplinary group of experts working in an excellent research environment to significantly advance higher education theory and practice.
- The CRC provides all its members with tailored support and supervision measures, including special support for international researchers.
- You will be paid an attractive salary at the payscale 1.0 FTE of TV-L E13. Your contract will be initially limited to 3.75 years.
- Your workplace is centrally located in Munich and easily accessible by public transportation.

We welcome applications from women and other groups that are currently underrepresented in the academic system.

People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

Contact

Your detailed application includes a cover letter, your CV, and copies of your transcripts and certificates as a single PDF.

Please send your application by June 25th 2025 to enkelejda.kasneci@tum.de

If you have any questions, please contact Prof. Dr. Enkelejda Kasneci (enkelejda.kasneci@tum.de).

When applying for a position at TUM, you will be required to submit personal data. Please note our privacy policy in accordance with Art. 13 of the General Data Protection Regulation (GDPR) <u>http://go.tum.de/554159</u> regarding the collection and processing of personal data in connection with your application. By submitting your application, you confirm that you have read and understood TUM's privacy policy.