

Graz University of Technology is the longest-established university of technology in Austria and is one of the largest employers in the region with around 3,500 employees. In its five Fields of Expertise, Graz University of Technology achieves top international performance and relies on intensive cooperation with other research and educational institutions as well as with business and industry worldwide. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

PhD Position in Information Visualization (m/f/d)

- At the Institute of Computer Graphics and Knowledge Visualization
- For 3 years
- Application Deadline: June 6 2021

We are looking for a motivated researcher on the PhD student level to join the Institute of Computer Graphics and Knowledge Visualization at Graz University of Technology, Austria, in the area of Information Visualization. The position is within the new Austrian Science Fund (FWF) research group Human-Centered Interactive Adaptive Visual Approaches in High-Quality Health Information. In collaboration with researchers in Medicine and Psychology, we will research new approaches for visualization of consumer health information, which can adapt to user profiles and information need. The position is available for initially three years and with the possibility to develop a PhD thesis in Computer Science at Graz University of Technology.

Research Content:

- Consumer health information systems (CHIS) are indispensable in the modern healthcare system and fulfill many functions. Current CHIS, however, are often static and do not adjust to individual information needs, preferences and abilities of consumers. In this project we will research foundations, applications and evaluation of a new class of adaptive, interactive visual health information systems, called A+CHIS.
- The novelty of our project lies in introducing multi-dimensional adaptivity to the information presentation to users, aiming at a better personal understanding of the meaning of the provided medical content in visual form. The new A+CHIS will adapt the kind of information, its level of detail, and the form of visual presentation to the individual user context.

Applicant Profile:

- A master degree in computer science, information systems, information science, telematics, mathematics, or related studies is required.
- One or more of the following skills are desired: Knowledge in computer graphics, information visualization, information retrieval, data bases, interactive systems, or data analysis.
- Practical skills in a current programming language (e.g., Java, C#, Python, Web-based development) are required.
- Interest to work in a collaborative research environment with project partners in Medicine and Psychology is expected.

We offer:

- A creative working atmosphere in a motivated, cooperative, and technically very well equipped environment.
- Excellent professional and personal development possibilities.
- Our institute is part of the Visual Computing research cluster in Graz, offering an excellent scientific environment at large.
- The city of Graz and its surroundings offer exceptional quality of living.

Please send your application including a letter of motivation, CV and supporting documents via email to Tobias Schreck, tobias.schreck@cgv.tugraz.at, or by postal mail to the Institute of Computer Graphics and Knowledge Visualization, Prof. Dr. Tobias Schreck, Inffeldgasse 16c, 8010 Graz, Austria.

The minimum collective wage for this position is € 2.971,50 per month (14 times a year). Depending on experience, overpayment is possible. Graz University of Technology aims to increase the proportion of women and therefore qualified female applicants are explicitly encouraged to apply. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Contact

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