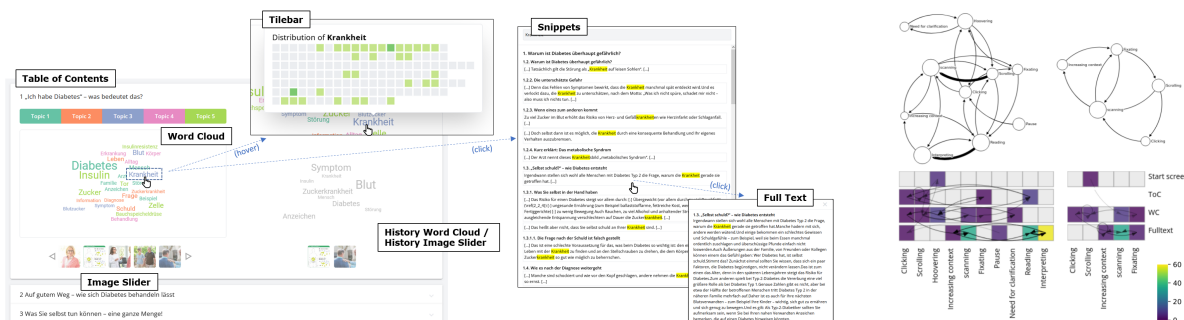# Full-time PhD Position in Adaptive Visualization of Health Information

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 in the area of Information Visualization. The position is within the Austrian Science Fund (FWF) research group *Human-Centered Interactive Adaptive Visual Approaches in High-Quality Health Information* (`https://apchis.cgv.tugraz.at/`). In collaboration with researchers in Medicine and Psychology, we will research new approaches for visualization of consumer health information, which can adapt to user interest 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 Context

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

You will be working with a team on researching, implementing, and evaluating visual health information systems which can adapt to information needs of their users.

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 information visualization, information retrieval, data bases, interactive systems, or data analysis. Practical skills in programming (e.g., with Web stack front/backend, Java, Python, etc.) are required. Interest to work in a collaborative research environment with project partners in Medicine and Psychology is expected.

Position Details and Working Environment

The position is available for initially three years, starting in May 2023 or later. The opportunity to develop a Ph.D. thesis with the Doctoral School of Computer Science at Graz University of Technology is provided. The full-time gross salary for this position is, depending on the employment level, up to 3.058,60 Euro per month (14 times a year), and includes social insurance.

Our institute offers a creative working atmosphere in a motivated, cooperative, and excellently equipped technical environment. We offer exemplary professional and personal development possibilities. Our institute is part of the Visual Computing research cluster in Graz, providing a leading scientific environment. The city of Graz and its surrounding region offer exceptional quality of living.

How to Apply

Please send your application including a letter of motivation, CV and supporting documents via email to: tobias.schreck@cgv.tugraz.at. Information on our institute is available at `http://www.cgv.tugraz.at/`. Please contact Tobias Schreck for any questions. This position is available until filled.