Einladung zum Vortrag
im Rahmen des GRK-Seminars MuSAMA

von Herrn Prof. Dieter Schmalstieg (TU Graz)

am Dienstag, dem 09. März 2010
um 10:00 Uhr
im Raum 311

zum Thema “A Room Full of Information”

Abstract
Handling massive amounts of data is becoming increasingly important in our information society. This talk will describe two ongoing projects at Graz University of Technology addressing this issue, Deskothek and Caleydo. Deskothek aims at extending personal workspaces to enhance team work. It provides a flexible multi-display environment for office spaces and meeting rooms. Unused surfaces, such as empty wall space and table surfaces, can be turned into interactive, digital displays to be used for co-located teamwork. Caleydo is an information visualization framework aimed specifically at supporting life science experts in their analysis of gene expression data in the context of pathways and functions of individual genes. Pathways and gene expression visualizations are placed in a 3D scene where selected entities (i.e., genes) are visually connected. This visual representation scales from single-user operation on a conventional desktop computer to collaborative operation in the Deskothek multi-display environment.

Bio
Dieter Schmalstieg is full professor of Virtual Reality and Computer Graphics at Graz University of Technology, Austria, where he directs the "Studierstube" research project on augmented reality. His current research interests are augmented reality, virtual reality, distributed graphics, 3D user interfaces, and ubiquitous computing. He received Dipl.-Ing. (1993), Dr. techn. (1997) and Habilitation (2001) degrees from Vienna University of Technology. He is author and co-author of over 100 reviewed scientific publications, member of the editorial advisory board of computers & graphics, member of the steering committee of the IEEE International Symposium on Mixed and Augmented Reality, chair of the EUROGRAPHICS working group on Virtual Environments, advisor of the K-Plus Competence Center for Virtual Reality and Visualization in Vienna, deputy director of the doctoral college for confluence of graphics and vision, director of the Christian Doppler Laboratory for Handheld Augmented Reality and member of the Austrian Academy of Science. In 2002, he received the START career award presented by the Austrian Science Fund.

Prof. Kirste  Prof. Schumann

Interessenten sind herzlich eingeladen.