



Bachelor-, Master- und Doktorandenseminar
des Instituts für Informatik

Development of Mechanisms for the Analysis of Interaction in Mixed Reality

Neda Ladonnidamghani, TU Clausthal

Recently the new generation of telecommunication environment “mixed reality” received more attention in business and research areas. It provides a new virtual environment, in which the user can interact with digital objects and with each other to share their experience in real time. Using mixed reality settings to study human search behavior is a growing area of research and it is important in the field of human computer interaction. Although mixed reality scenarios are suitable to analyze cooperation during a search task, most research primarily focuses on individual search behavior and not on collaborative aspects of it. Due to the research gap in this area, the department of human computer interaction of Clausthal University of Technology created a three-dimensional analysis tool to study human cooperative actions in visual search supported by mixed reality setting. This thesis reviews previous researches in the field of visual search as well as important factors that influence decision-making in collaborative visual search tasks, such as visual attention as well as peripheral vision. Subsequently these concepts are applied to develop three new mechanisms for the three-dimensional analysis tool to extend its functionalities

Dienstag, den 24.04.2018, 10:30 Uhr in Raum 106,
IfI (D 3), Julius-Albert-Str. 4.