

informatik-Kolloquium

Der Fachbereich Informatik der Johannes Kepler Universität Linz¹ lädt in Zusammenarbeit mit der Österreichischen Gesellschaft für Informatik (ÖGI) zu folgendem Vortrag ein:

Prof. Mark Billinghurst, HIT Lab NZ **Designing Augmented Reality Experiences**

June 21st, 2010, 4:00pm
Johannes Kepler University Linz, Room MT226

Abstract: Augmented Reality (AR) is a technology that allows the virtual overlay of images on the real world. Although the underlying technology is not new, it is only recently that compelling augmented reality experiences can be developed. This presentation discusses how to design effective augmented reality applications. The fundamental technologies needed are briefly discussed and then research on authoring tools, interaction techniques and evaluation methods presented. A set of design guidelines are given for researchers and developers in the field, and finally topics for future research. The presentation will draw on research at the HIT Lab NZ and other leading Augmented Reality research groups and companies. Examples will be discussed from desktop, mobile and wearable AR systems.

About the Speaker: Professor Mark Billinghurst is a researcher developing innovative computer interfaces that explore how virtual and real worlds can be merged. Director of the HIT Lab New Zealand (HIT Lab NZ) at the University of Canterbury in New Zealand, he has produced over 200 conference and journal technical publications and presented demonstrations and courses at a wide variety of academic and industry conferences. He has a PhD from the University of Washington and conducts research in Augmented and Virtual Reality, Human Computer Interaction and mobile interfaces. He has previously worked at ATR Research Labs, British Telecom and the MIT Media Laboratory and has been actively involved in developing and commercializing AR technology, such as the popular ARToolKit tracking library.

Univ.-Prof. Dr. Oliver Bimber
Institute of Computer Graphics (CG)

¹ Der Fachbereich (<http://informatik.jku.at>) besteht aus folgenden Instituten: Anwendungsorientierte Wissensverarbeitung (FAW), Bioinformatik, Computational Perception, Computergrafik, Computer-Architektur, Formale Modelle und Verifikation, Informationsverarbeitung und Mikroprozessortechnik (FIM), Integrierte Schaltungen, „integriert studieren“, Pervasive Computing, Systemsoftware, Systems Engineering und Automation, Telekooperation