

# EINLADUNG

- Zeit:** Freitag, 6. Juni 2008, 14.00 Uhr
- Ort:** Raum 2212 (Media Space), Hauptbau 2.OG,  
Ahornstr. 55
- Referent:** Prof. Jim Hollan  
Dept. of Cognitive Science  
University of California, San Diego (UCSD)
- Titel:** Bridging Paper and Digital Worlds

## Abstract

In our *Paper Augmented Digital Documents (PADD)* approach, the digital and paper world are on equal footing: paper and computers are simply two different ways to interact with documents during their life cycle. When paper affordances are needed, a document is retrieved from the database and printed. The printer acts as a normal printer but adds a pen-readable pattern to each document. Using a digital pen, the document can now be marked like a normal paper document. The strokes collected by the pen are combined with the digital version of the document. The resulting augmented document can then be edited, shared, archived, or participate in further cycles between the paper and digital worlds. I will provide some historical background, describe the hardware, discuss the PADD approach, give an overview of recent directions in this project such as the *PapierCraft* system, and then demonstrate the new LiveScribe technology and our plans for it.

## About the Speaker

Jim Hollan is Professor of Cognitive Science and Adjunct Professor of Computer Science at the University of California, San Diego. In collaboration with Professor Ed Hutchins, he directs the Distributed Cognition and Human-Computer Interaction Laboratory. His research explores the cognitive consequences of computationally-based media. The goal is to understand the cognitive and computational characteristics of dynamic interactive representations as the basis for effective system design. Current work focuses on cognitive ethnography, computer-mediated communication, distributed cognition, human-computer interaction, information visualization, multiscale software, and tools for analysis of video data. Previously, Jim Hollan led the Intelligent Systems Group together with Donald Norman and Ed Hutchins at UCSD. He was one of the authors of the Pad++ original zoomable interface, wrote the seminal HCI article *Beyond Being There* in 1992, and more recently established the Distributed Cognition framework for HCI with Ed Hutchins. He was elected into the CHI Academy in 2003.

Es laden ein: Die Dozenten der Informatik