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CONTEXT IS KING – OR HOW CONTEXT INFLUENCES MULTIMEDIA ENGINEERING

DATE: Monday, October 3, 2005

TIME: Refreshments served at 10:45 a.m. with talk to follow

LOCATION: Calit2 Room 3008

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SPEAKER
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Context today is understood to characterize the situation of a potentially mobile user. The aspects and consequences of the availability of context along with media data have recently gained much attention in the multimedia research community. Along some examples we present the needs of context-aware multimedia applications and the potential context brings into the processing stages from creation to usage of multimedia content. In our point of view context influences all phases from along the source-to-sink chain from acquisition, enhancement, storage and delivery to the usage of mobile multimedia content. Along a specific application example, the talk presents an architecture for a context-aware acquisition, enhancement, delivery and presentation in the domain of digital photographs. Combining content, context, and domain knowledge, we enhance the digital photographs with metadata as a grounds for an easier selection, authoring and composition of photos for next generation digital photo services.

Bio:

Susanne Boll is Assistant Professor for Multimedia and Internet-Technologies, Department of Computing Science at the University of Oldenburg, Germany. Also since 2002 she is a member of the Oldenburg Research and Development Institute for Information Technology Tools and Systems (OFFIS) where she is heading the Mobile Multimedia research theme. In 2001, Susanne Boll received her doctorate with distinction at the Technical University of Vienna, Austria, which was concerned with the flexible multimedia document model ZYX, designed and realized in the context of a multimedia database system. She received her diploma degree with distinction in computer science at the Technical University of Darmstadt, Germany, in 1996.

The focus of her research interests are the development of user centered (mobile) multimedia applications and systems. The research projects Susanne Boll is working on include a framework for personalized multimedia content generation, the development of a mobile platform for context-aware mobile applications, and multimodal mobile user interfaces.

Susanne Boll has been publishing her research results on many international workshops, conferences and journals. Susanne Boll is an active member of SIGMM of the ACM and GI, and also a member of IEEE Computer Society.