

# Fifth International Workshop on Modeling and Reasoning in Context (MRC 2008)

## Workshop summary

June 8th – 9th



## Objectives

The major goal of the workshop is to bring researchers from both industry and academia, and representatives from different communities together to study, understand, and explore issues of development and application of IT systems utilising context.

This year's workshop is the fifth in a row:

- 1 2004 at KI in Ulm, Germany
- 2 2005 at ICAI in Edinburgh, Scotland
- 3 2006 at AAI in Boston, USA
- 4 2007 at CONTEXT in Roskilde, Denmark
- 5 2008 at HCP in Delft, The Netherlands

## Open Sessions

- We discussed the difference between *structural* and *functional* perspective on context.
- We are, so far, sticking with an agreement on context as a process, or functional (focus).
- Fuzzy-ontologies in the context (no pun intended) of context was also discussed.
- How is probabilistic reasoning related with fuzzy-sets and does it play any role in contextualised reasoning?

## Paper session 1

- Towards Self-managed Pervasive Middleware using OWL/SWRL ontologies  
*Weishan Zhang and Klaus Marius Hansen*
- On Context Modeling in Ambient Assisted Living  
*Manfred Wojciechowski and Jinhua Xiong*

## Paper session 2

- A Visual Context Ontology for Multimedia High-Level Concept Detection  
*Evaggelos Spyrou, Phivos Mylonas and Yannis Avrithis*
- Reasoning Over Spatial Relations for Context-Aware Distributed User Interfaces  
*Petr Aksenov, Kris Luyten and Karin Coninx*
- Designing a Context-sensitive Dashboard for an Adaptive Knowledge Worker Assistant  
*Ralf Biedert, Sven Schwarz and Thomas Roth-Berghofer*

## Paper session 3

- Adapting the Multi-Desktop Paradigm Towards a Multi-Context Interface  
*Sven Schwarz, Malte Kiesel and Ludger van Elst*
- Automatic Discovery of Personal Action Contexts  
*Marielba Zacarias, H. Sofia Pinto and José Tribolet*
- An approach to User-Centric Context-Aware Assistance based on Interaction Traces  
*Damien Cram, Béatrice Fuchs, Yannick Prié and Alain Mille*

## Open session

- Requirements analysis/elicitation for context-aware/sensitive systems (compared to req. analysis for "normal" systems) – are there any differences?
  - The system behaviour **DEPENDS** on context **ALONE** (context is a normal input).
  - The system works without context, but gets better with context available
- Evaluation of context-awareness (not really a **NEW** question)

