

**1st CoSDEO - Workshop on Context-Systems
Design, Evaluation and Optimisation**
Papers and discussion (Context systems - past, present and future)
In conjunction with ARCS 2010

Hannover, February 23, 2010

Final Program

08:30 – 09:20 Registration

09:20 – 09:30 Welcome

Session 1: Applications and systems for context computing

(Session chair: Stephan Sigg)

09:30 – 09:50 Integrating Context Awareness with SOA: Case Studies for Service-oriented and Context-based Architectures
Raphael Zender, Ulrike Lucke, Djamshid Tavangarian

09:50 – 10:10 A Tool Chain for a Lightweight, Robust and Uncertainty-based Context Classification System (CCS)
Henning Günther, Firas El Simrany, Martin Berchtold and Michael Beigl

10:10 – 10:30 Recording a Complex, Multi Modal Activity Data Set for Context Recognition
P. Lukowicz, G. Pirkel, D. Bannach, F. Wagner, A. Calatroni, K. Förster, T. Holleczeck, M. Rossi, D. Roggen, G. Troester, J. Doppler, C. Holzmann, A. Riener, A. Ferscha, R. Chavarriaga

10:30 – 10:50 Activity Recognition Using Inertial Sensing for Healthcare, Wellbeing and Sports Applications: A Survey
Akin Avci, Stephan Bosch, Mihai Marin-Perianu, Raluca Marin-Perianu, Paul Havinga

10:50 – 11:30 Coffee break

Session 2: Design and development of context systems

(Session chair: Martin Berchtold)

11:30 – 11:50 DAG Based Context Reasoning: Optimised DAG Creation
Niklas Klein, Stephan Sigg, Klaus David and Michael Beigl

11:50 – 12:10 Trust as a Design Aspect of Context Aware Systems
Shakib Manouchehri, Matthias Söllner, Jan Marco Leimeister

12:10 – 12:30 An Object-Oriented and Context-Aware Approach for Distributed Mobile Applications
Daniel Graff, Matthias Werner, Helge Parzyjegl, Jan Richling, Gero Mühl

12:30 – 13:30 Lunch break

13:30 – 15:00 Group discussion, collaboration and closing