

Pre-conference activities

Tuesday, December 3, 2013

Parallel Workshops, UniversAAL training course, Tutorials

Parallel Workshops ([see list here](#))

WISHWell'13 - 5th International Workshop on Intelligent Environments Supporting Healthcare and Well-being *Location:* XXXXXXXX

ARE'13 - The 2nd International Workshop on Adaptive Robotic Ecologies *Location:* XXXXXXXX

PerCAM13 - 3rd International workshop on PERvasive and Context-Aware Middleware *Location:* XXXXXXXX

UAmI13 - First International Workshop on Uncertainty in Ambient Intelligence *Location:* XXXXXXXX

AxI'13 - International Workshop on Aesthetic Intelligence *Location:* XXXXXXXX

Tutorials (14:00 – 18:00)

Tutorial 1: Contextual experience prototyping *Location:* XXXXXXXX
Dr. Thomas Grill (University of Salzburg), Prof. Manfred Tscheligi (University of Salzburg)

Tutorial 2: Activity recognition with a focus on collective sensing and crowd sourced data *Location:* XXXXXXXX
Prof. Paul Lukowicz (DFKI, Germany)

UniversAAL training course (09:00 – 18:00) *Location:* XXXXXXXX

18.00 Welcome Cocktail

Conference activities

Wednesday, December 4, 2013

08.30 Registration

09.00 Welcome

Chairs: Juan Augusto (Middlesex University, UK) & Reiner Wichert (Fraunhofer IGD, Germany)

09.15 Keynote: "Activities in Considerate Systems"

Dr. Ted Selker (*Carnegie Mellon University, Silicon Valley, USA*)

10.30 Coffee Break

11.00 Reasoning and Activity recognition

11:00 Making Context Aware Decision from Uncertain Information in a Smart Home: a Markov Logic Network Approach

Pedro Chahuara, François Portet and Michel Vacher

11:30 Semantics-driven Multi-User Concurrent Activity Recognition

Juan Ye and Graeme Stevenson

12:00 Inferring model structures from inertial sensor data in distributed activity recognition scenarios

Pierluigi Casale and Oliver Amft

12:30 Lunch

14:00 Proactive Assistance

14:00 Generating Explanations for Pro-active Assistance from Formal Action Descriptions

Sebastian Bader

14:30 Customized Situation Verification in Ambient Assisted Living Environments

Mario Buchmayr

15:00 An Implementation, Execution and Simulation Platform for Processes in Heterogeneous Smart Environments

Serge Autexier, Dieter Hutter and Christoph Stahl

15:30 Coffee Break

16:00 Parallel Doctoral Colloquium (*Room XXXXX*)

Harnessing Mathematics for Improved Ontology Alignment

Chau Do and Eric J. Pauwels

On combining a Context Recognition System and a Configuration Planner for personalised Ambient Assisted Living

Lia Susana D.C. Silva-López, Jonas Ullberg and Lars Karlsson

Towards Automatic Provision of Missing Documents during Meetings

Hugo Lopez Tovar and John Dowell

16:00 Parallel Landscape Session (*Room XXXXX*)

16:00 Intelligent Decision-Making in the Physical Environment

David Lillis, Sean Russell, Dominic Carr, Rem W. Collier and G. M. P. O'Hare

16:30 Personalized Smart Environments to Increase Inclusion of People with Down's Syndrome

Juan Augusto, Terje Grimstad, Reiner Wichert, Eva Schulze, Andreas Braun

17:00 An Intelligent Hotel Room

Asterios Leonidis, Maria Korozi, George Margetis, Dimitris Gramenos and Constantine Stephanidis

17:30 Living Lab and Research on Sustainability: Practical Approaches on Sustainable Interaction Design

David Keyson and Abdullah Al Mahmud

20:00 Social Event

Thursday, December 5, 2013

09.00 Keynote "Play and the Challenge of Ambient Intelligence"

Prof. Ben Schouten (*Eindhoven University of Technology, The Netherlands*)

10.00 Robots as Artifacts in Aml Environments

10:00 A Robotic Fitness Coach for The Elderly

Binnur Görer, Albert Salah and H. Levent Akin

10:30 Fast Adaptive Object Detection towards a Smart Environment by Mobile Robots

Shigeru Takano, Ilya Loshchilov, David Meunier, Michele Sebag and Einoshin Suzuki

11.00 Coffee Break

11.30 Mobile Applications

11:30 Low-Power Ambient Sensing in Smartphones for Continuous Semantic Localization

Sinziana Mazilu, Ulf Blanke, Alberto Calatroni and Gerhard Tröster

12:00 Digital Receipts: Fostering Mobile Payment Adoption

Edward Ho, Silviu Apostu, Florian Michahelles and Alexander Ilic

12:30 Lunch

14:00 Posters and Demos

14:00 Demo: Simulation and Live-Remote Control of the Smart Home Living Lab using the PIE-Tool

Serge Autexier, Dieter Hutter, Christoph Stahl and Christian Mandel

14:15 Energy Expenditure Estimation DEMO Application

Bozidara Cvetkovic, Simon Kozina, Bostjan Kaluza and Mitja Lustrek

14:30 Towards an Integrated Methodology to Design Sustainable Living Practices

Natalia Romero, Abdullah Almahmud and David Keyson

14:45 HARD-BN: A Heterarchical, Autonomic, Recursive and Distributed Bayesian Network framework for adaptive and scalable recognition of heterogeneous contexts

Arun Kishore Ramakrishnan, Davy Preuveneers and Yolande Berbers

15:00 Enabling a Mobile, Dynamic and Heterogeneous Discovery Service in a Sensor Web by Using AndroSIXTH

Levent Görgü, Barnard Kroon, Abraham G. Campbell and Gregory O'Hare

15:15 CAKE - Distributed Environments for Context-Aware Systems

Jörg Cassens, Felix Schmitt and Michael Herczeg

15:30 Coffee Break

16.00 Energy Estimation and Consumption

16:00 Towards Human Energy Expenditure Estimation Using Smart Phone Inertial Sensors

Bozidara Cvetkovic, Bostjan Kaluza, Radoje Milic and Mitja Lustrek

16:30 Exploring Persuasion in the Home: Results of a Long-Term Study on Energy Consumption

Patricia M. Kluckner, Astrid Weiss, Johann Schrammel and Manfred Tscheligi

17:00 Keynote: "Ambient, Computational and Collaborative Intelligence in Sustainable Intelligent Systems"

Prof. Martin G. Curley (*Intel Labs, National University of Ireland, Maynooth*)

18:00 Closing and Awards