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: XXXXXXX

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

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

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

AxI’13 - International Workshop on Aesthetic Intelligence  
Location: XXXXXXX

Tutorials (14:00 – 18:00)

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

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

UniversAAL training course (09:00 – 18:00)  
Location: XXXXXXX

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

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**Thursday, December 5, 2013**

**09.00 Keynote "Play and the Challenge of Ambient Intelligence"**

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

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**10.00 Robots as Artifacts in AmI 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

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**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