

3rd Workshop on AI Techniques for Ambient Intelligence (AITAmI'08)

Technical Program

Welcome to the third edition of our workshop on *Artificial Intelligence Techniques for Ambient Intelligence*. Thanks to the joint effort of authors and organizers at ECAI and AITAmI we have an exciting program which, we hope, will stimulate a fruitful interchange of ideas and lead to further developments in the area:

Time	Activities DAY 1
8:00	Registration
9:00	Welcome by JC. Augusto
9:20	Keynote I by Sylvain Giroux
10:00	coffee
10:30	Papers Session I (3 papers x 40') – Chair: JC. Augusto
12:30	Lunch
14:00	Papers Session II (2 papers x 40') – Chair: S. Giroux
15:30	coffee
16:00	Keynote II by Hamid Aghajan
16:40- 17:30	Poster Session

Time	Activities DAY 2
9:00	Welcome
9:20	Keynote III by Wolfgang Wahlster
10:00	coffee
10:30	Papers Session III - Special Session on Vision Based Reasoning (4 papers x 30') – Chair: Hamid Aghajan
12:30	Lunch
14:00	Papers Session IV (2 papers x 40') – Chair: JC. Augusto
15:30	coffee
16:00- 17:00	Closing (including summary and discussion) Chaired by JC. Augusto

Keynotes (40' each):

(I) “*Some steps into the praxis of cognitive assistance*” by Sylvain Giroux, U. of Sherbrooke, Canada

(II) Tutorial: “*Interfacing Vision*” by Hamid Aghajan, Stanford University, USA

(III) “*Ambient Retail Intelligence*” by Wolfgang Wahlster, German Research Center for AI and DFKI GmbH,

Papers for Oral Presentation (30 minutes each):

Session 1: (emphasis on AAL)

“*A Multi-Agent-based Activity Recognition Approach for Ambient Assisted Living*” by Holger Storf and Martin Becker.

“*SOPRANO – An extensible, open AAL platform for elderly people based on semantical contracts*” by Peter Wolf, Andreas Schmidt and Michael Klein.

“*Towards an Extension of the COACH Task Guidance System: Activity Recognition of Alzheimer’s Patients*” by B. Bouchard and P. Roy and A. Bouzouane and S. Giroux and A. Mihailidis.

Session 2: (emphasis on Context Awareness)

“*On defining rule based behaviours for context awareness: an approach based on a visual ontology*” by Andres Muñoz, Ignacio Nieto, Juan Botía, and Antonio F. Gómez-Skarmeta.

“*Representing and Reasoning upon Contexts in Artificial Systems*” by Fulvio Mastrogiovanni, Antonio Sgorbissa and Renato Zaccaria.

Session 3: (emphasis on Video-Based Reasoning)

“*Camera-based Interfaces and Assistive Software for People with Severe Motion Impairments*” by Margrit Betke.

“*Vision-Based Syntactical Classification of Hand Gestures to Enable Robust Human Computer Interaction*” by Rachel Goshorn and Deborah Goshorn.

“Context-aware Gesture Analysis for Speaker HCI” by Chen Wu and Hamid Aghajan.

“Occlusion Management using a Context-based Tracking System” by A. M. Sánchez, A. Patricio, J. García and J.M. Molina.

Session 4: (emphasis on Ontologies)

“A User Profile Ontology For Situation-Aware Social Networking” by Johann Stan, Elöd Egyed-Zsigmond, Adrien Joly and Pierre Maret.

“Dynamic Ontology Enrichment and Reasoning in Aml Environments” by Aitor Almeida, Iker Larizgoitia, Diego López-de-Ipiña, Xabier Laiseca, Ander Barbier, Unai Aguilera, and Pablo Orduña.

Posters Session:

“Adaptive Multimodal Perception for a Virtual Museum Guide” by Martin Luerssen, Trent Lewis, Richard Leibbrandt and David Powers.

“HI3 Project: General Purpose Ambience Intelligence Architecture” by Alejandro Paz-Lopez, Gervasio Varela, Juan Monroy, Santiago Vázquez and Richard Duro.

“Towards the Audio Support of Service Engineers: Helping without Distracting” by Hendrik Iben, Hendrik Witt and Björn Gottfried.

“Argumentative Agents for Ambient Intelligence Ubiquitous Environments” by Ricardo Santos, Goreti Marreiros, Carlos Ramos and José Bulas-Cruz.

We would also like to thank the Sponsors of AITAmI and the organizers of ECAI'08 for their support and contribution towards the quality of our technical program and the success of this event:

NOKIA SIEMENS PHILIPS

**Juan Carlos Augusto
Daniel Shapiro
(co-Chairs of AITAmI'08)**