

2nd Workshop on AI Techniques for Ambient Intelligence (AITAmI'07)

Technical Program

Welcome to the second edition of our workshop on *Artificial Intelligence Techniques for Ambient Intelligence*. Thanks to the joint effort of authors and organizers at IJCAI 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
9:30	Welcome
9:45	Invited Talk I by Eric Horvitz
11:00	Tea Break
11:30	Papers Session I (2 papers) – Chair: M. Böhlen
13:00	Lunch
14:00	Papers Session II (2 papers) – Chair: J-F. Perrot
15:30	Tea Break
16:00	Posters Session (6 posters)
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17:00	

Time	Activities DAY 2
9:30	Welcome
9:45	Invited Talk II by Marc Böhlen
11:00	Tea Break
11:30	Papers session III (2 papers) – Chair: JC. Augusto
13:00	Lunch
14:00	Papers session IV (2 papers) – Chair: F. Sadri
15:30	Tea Break
16:00	Demo Session
16:30	Closing (including summary and discussion)
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17:15	

Keynotes (1 hour each):

- “Machine Learning, Reasoning, and Intelligence in Daily Life: Directions and Challenges” by Eric Horvitz (Microsoft Research - USA)
- “Help from a Stranger – Media Arts in the context of Ambient Intelligence” by Marc Böhlen (NYSU - USA)

Research Papers (45 minutes each):

Session 1:

- “The Detection and Tracking of the Body Movements with Blackboard Architecture” by Ch. Leignel and Ch. Dousson (ENST Bretagne and France Telecom - France)
- “Context-aware Probabilistic Reasoning for Proactive Healthcare” by R. Joshi, G. Li, and T.Y. Leong (National University of Singapore)

Session 2:

- “Enhanced Healthcare Provision Through Assisted Decision-Making in a Smart Home Environment” by JC. Augusto, P. McCullagh, V. McClelland, J-A. Walkden (U. of Ulster and UCHT - UK)
- “Towards a Context Theory for Context-Aware Systems” by R. Dapoigny and P. Barlatier (U. de Savoie - France)

Session 3:

- “Dynamic Macroprogramming of Wireless Sensor Networks with Mobile Agents” by R. Razavi, K. Mechitov, G. Agha, and J-F. Perrot (U. of Luxembourg, UIUC - USA, U. Pierre et Marie Curie - France)
- “XPod: A Human Activity Aware Learning Mobile Music Player” by S. Dornbush, J. English, T. Oates, Z. Segall and A. Joshi (U. of Maryland - USA)

Session 4:

- “An Active Classification System for Context Representation and Acquisition” by F. Mastrogiovanni, A. Sgorbissa, and R. Zaccaria (U. of Genova-Italy)
- “Context-Awareness and User Feedback for an Adaptive Reminding System” by N. Richard and S. Yamada (National Institute of Informatics - Japan)

Posters Session:

- “Ambient Intelligence for Care of the Elderly in Their Homes” by Fariba Sadri (Imperial College London - UK)
- “Efficient Agent Communication in Wireless Environment” by S. Farooq, S. Khalique, A. Bajwa, O. Malik, H. Suguri, H. F. Ahmad, and A. Ali (NUST Institute of IT – Pakistan and Communication Technologies – Japan)
- “Mining Spatial Relationships with Limited Sensory Information” by C. Basu, H. Cheng, and D. Butler (Sarnoff Corporation - USA)
- “Real Time Identification of Operating Room State from Video” by B. Bhatia, T. Oates, Y. Xiao, and P. Hu (University of Maryland - USA)
- “Ambient Intelligence in Emotion Based Ubiquitous Decision Making” by G. Marreiros, R. Santos, C. Ramos, J. Neves, P. Novais, J. Machado and J. Bulas-Cruz (ISEP, Minho University, U. of Tras-os-Montes e Alto Douro - Portugal)
- “What About Tests In Ambient Environments? (On How To Solve Problems With Common Sense Evaluation)” by R. Rzepka, K. Araki (Hokkaido U. - Japan)

We would also like to thank the Sponsors of AITAmI and the organizers of IJCAI'07 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'07)