

# Space, Time and Ambient Intelligence

STAMI 2011

IJCAI 2011, Barcelona, Spain

Workshop 9. Saturday July 16, 2011

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07:45 - 8:30	Breakfast
08:30 - 09:00	Registrations
09:00 – 11:00	Session 1: Introduction
09:00 – 09:10	Welcome & Organizational Introduction
09:10 – 09:55	Flash participant introductions / summary of paper (3' each)
09:55 – 10:00	Workshop discussion plan Focus group announcement
10:00 – 11:00	Session 2: Full Presentations (20' + 10')
10:00 – 10:30	Predicting User Movements in Heterogeneous Indoor Environments by Reservoir Computing <i>Davide Bacciu, Claudio Gallicchio, Alessio Micheli, Paolo Barsocchi and Stefano Chessa</i>
10:30 – 11:00	A Variable Order Markov Model Approach for Mobility Prediction <i>Halgurt Bapierre, Georg Groh and Stefan Theiner</i>
11:00 – 11:15	coffee break

11:15 – 13:15

## Session 2 continued

11:15 – 11:45

Fusion of Audio and Temporal Multimodal Data by Spreading Activation for Dweller Localisation in a Smart Home  
*Pedro Chahuara, François Portet and Michel Vache*

11:45 – 13:15

## Session 3: Short Presentations (10' + 2')

Towards an automatic diary: an activity recognition from a data collected by a mobile phone  
*Rudolf Kadlec and Cyril Brom*

Contract-Based Cooperation for Ambient Intelligence  
*Fatma Başak Aydemir and Pinar Yolum*

Time series data mining approaches for sustainable elderly care  
*Bogdan Pogorelc*

Semantic architectural approach based on Spatio-Temporal Reasoning in Ambient Assisted Living Application  
*Lyazid Sabri, Abdelghani Chibani, Yacine Amirat, and Gian Piero Zarri*

Towards A Qualitative, Region-Based Model for Air Pollution Dispersion  
*Jason Jingshi Li and Boi Faltings*

Dynamic signal segmentation for activity recognition  
*Simon Kozina, Mitja Lustrek and Matjaz Gams*

Possible-World and Multiple-Context Semantics for Common-Sense Action Planning  
*Maria J. Santofimia, Scott E. Fahlman, Francisco Moya, and Juan C. Lopez*

13:15 – 14:45

## Lunch break

14:45 – 16:45

## Session 3: Final Full Presentations

14:45 – 15:15

Semi-supervised Learning for Adaptation of Human Activity Recognition Classifier to the User  
*Bozidara Cvetkovic, Mitja Lustrek, Bostjan Kaluza and Matjaz Gams*

15:15 – 15:45

Beat-based gesture recognition for non-secure, far-range, or obscured perception scenarios  
*Graylin Trevor Jay, Patrick Beeson and Odest Chadwicke Jenkins*

15:45 – 16:15	Models of indoor environments – a generic interactive model for design and simulation of building automation (on example of BNT-project) <i>Kalev Rannat, Merik Meriste, Jüri Helekivi and Tõnis Kelder</i>
16:15 – 16:45	Meeting Points for People using Steinertrees <i>Bjoern Zenker</i>
16:45 – 18:30	Sessions IV – Breakout Discussions
16:45 – 17:00	breakout group discussions with coffe <i>(official IJCAI coffee time)</i>
17:00 – 18:00	breakout group discussions
18:00 – 18:30	sub-group presentations  workshop closure
20:30 onwards	Social Evening <i>(subject to interest post workshop completion)</i>