



CALL FOR PAPERS



Workshop in Multimedia Event Analysis for Assistive Environments

in parallel with:

2nd International Conference on Pervasive Technologies Related to Assistive environments (PETRA 2009)

9-13 June 2009, Corfu Island, Greece

Workshop chairs

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Workshop theme

Visual supervision and event analysis is critical in many multimedia applications for assistive living. Methods, tools and algorithms that aim to detect and recognize high level concepts and their respective spatiotemporal and causal relations in order to identify semantic video activities, actions and procedures have been in the focus of the research community over the last years. This research area has strong impact on many real-life applications such as assistive services, monitoring of patients, context aware and personalized event analysis.

Pervasive computing is very useful in computer vision applications from two main perspectives. First, it is the development and application of pervasive computing (or ubiquitous computing, ambient intelligence) technologies for video data management. Second, it seeks to make the event-related applications available to anyone, anytime, and anywhere by removing location, time and other restraints while increasing both the coverage and quality of healthcare.

Topics of interest

The research presented in this workshop will include but is not limited to:

- Event-based video analysis for different health application scenarios
- On-line learning strategies that allow for robust detection and recognition of workflows of events in non-stationary assistive environments
- Semi-supervised approaches under computational efficient frameworks
- Event driven video organization
- Pervasive metadata description schemes
- Contextual video metadata features
- Pervasive metadata modeling and analysis
- Event driven video delivery and transmission for assistive environments
- Semantic and event-based summarization of monitored video data
- Multimedia networking for events delivery
- Event driven video retrieval and indexing under a pervasive framework
- Scalable multimedia delivery for pervasive computing
- Security issues for pervasive architectures
- Interactive multimedia systems and applications
- Systems for multimedia content production and retrieval;
- Research projects in the respective fields and international standardization activities
- Applications for assistive environments

Proceedings Information

Accepted papers will be presented at the workshop and published by ACM Proceedings of the PETRA 2009 Conference. The conference proceedings will be a volume in the ACM International Conference Proceedings Series in the ACM Digital Library. The best workshop papers will be invited to a special issue in the eJeta Journal.

Important Dates

Paper submission: 13 March

Paper acceptance: 15 March

Registration: 20 March

Camera ready: 4th April