e v¡ **Newsletters**

#05 - March 2013

TEC2011-25995 EventVideo (2012-2014)

Strategies for Object Segmentation, Detection and Tracking in Complex Environments for Event Detection in Video Surveillance and Monitoring

http://www-vpu.eps.uam.es/eventvideo/

New Observer

We are glad to inform that since February 12th 2013 Vicomtech-ik4 (http://www.vicomtech.es/) has joined as EventVideo Observer.

Vicomtech-ik4 (Visual Interaction and Communication Technologies Centre) is an applied research center working in applied research and development of multimedia technologies for visual interaction and communication, collaborating tightly with the industry, universities and other institutions.

Fifth trimester progress report

During this semester the project has worked following the plans in the different workpackages. Technical Report TR.01 "Evaluation results and future research lines" will be finally published April 2013. After analyzing the results of the first year, the project objectives have been slightly adjusted and the workplan is being modified in order to tune the activities to the modified objectives. The modifications will affect to the activities dealing with feedback techniques and alternative sensors.

Fifth trimester results

Publications

Álvaro García-Martín, José M. Martínez, **"Enhanced people detection combining appearance and motion information"**, IET Electronic Letters, 49(4):256-258, February 2013, IET, ISSN 0013-5194 (DOI 10.1049/el.2012.3817).

Video Processing and Understanding Lab

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UNIVERSIDAD AUTONOMA DE MADRID

Abstract: The combination of two of the most recent people detectors from the state of the art is proposed. It is already known that the combination of independent information sources is useful for any detection task. In relation with people detection, there are two main discriminative information sources that characterize a person: appearance and motion. We propose the combination of two recent approaches based on both information sources. Experimental results over an extensive dataset show that the proposed combination significantly improves the results.