Towards Automated Robust Vision-based Surveillance

Organisers: Dr. Noel E. O'Connor (DCU), Dr. Marzia Corvaglia (Uni. Brescia)

The members of the COST 292 action (http://www.cost292.org/) have a long tradition of involvement in WIAMIS, dating back to the establishment of this event. Since 2005, the action has been invited to organize a special session and this tradition will be continued for WIAMIS 2008. This year, the special session will focus on the newly identified priority areas of this action that fall into the broad area of automated visual surveillance. This new focus has been prioritized on the basis of the observation that research in Europe in this area is fragmented with no common forum for researchers working on different aspects of this broad topic. The goal of this special session is to help bring together researchers working on this topic and to help stimulate integration in this area.

We are seeking high-quality papers that illuminate the state of the art in this area. Topics of interest include, but are not limited to:

- **Visual computation**: background subtraction, object detection and tracking, body and face detection, face recognition,

- **Event and activity modeling and analysis**: human action modeling and recognition, crowd behaviour analysis;

- **Multiple stream analysis**: fusion across similar and/or differing visual modalities, augmenting visual analysis with other modalities such as audio;

- **Architectures:** video surveillance network architectures, new sensors and cameras;

- **Annotation, Indexing and Storage:** archival & retrieval of sensor data and extracted semantics, query paradigms and languages;

- **Coding**: event-/object-based compression for surveillance, scalable coding, distributed coding;

- **Applications**: crime prevention, aerial imaging (satellite, infrared), public transport systems, privacy protection, anonymity enforcement;

Papers should conform to the usual WIAMIS guidelines for authors. All papers will be peer reviewed by the WIAMIS Technical Programme Committee and a special Programme Subcommittee set up specifically for this special session.

Programme Subcommittee

Selim Aksoy, Bilkent Uni., Turkey

Michael Ansorge, EPFL, Switzerland

Yannis Avrithis, NTUA, Greece

Jenny Benois-Pineau, LABRI, France

Licia Capodiferro, FUB, Italy

Touradj Ebrahimi, EPFL, Switzerland

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Gorka Marcos Ortego, VICOMTech, Spain

Branimir Reljin, Uni. Belgrade, Serbia and Montenegro

Thomas Sikora, TU Berlin, Germany

Walter Stechele, TU Munchen, Germany

Paulo Villegas, Telefonica R&D, Spain

Important Dates

Paper Submission:	Dec. 14, 2007
Review Results:	Jan. 11, 2008
Camera-ready Papers:	Feb. 01, 2008

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