

De Werkgemeenschap voor Informatie- en Communicatietheorie in de Benelux organizes a mid-winter meeting on

Public Safety

Thursday, January 31, 2008

**Blauwe Zaal of the Auditorium of the Technical University of Eindhoven (TU/e)
Eindhoven**

Currently, most surveillance systems in public and semi-public spaces consist of fixed cameras providing on-screen information in control rooms. The screens are constantly monitored by observers with the tasks of recognizing criminals, detecting suspicious or criminal behaviour, and initiating appropriate actions. When, as expected, the numbers of cameras and screens increase, this will either result in wrong decisions, due to an unacceptable cognitive load, or in higher operational costs. Recordings made by surveillance cameras are searched for perpetrators and evidence, as done in Madrid and London. This is mostly done manually and is looking for a needle in a haystack. Finding relevant information may take long if possible at all. Moreover, it requires that all recordings be stored, calling for a huge storage capacity and data overload is rapidly becoming a severe problem. Innovations on the sensor and network side are numerous. Audio can be captured along with the visual information; cameras can be steered and connected via secure wireless networks, allowing for temporary surveillance systems. These innovations allow for a more intensive surveillance, with better possibilities of spotting criminal or terrorist acts, but they will not lead to a reduction of the information to process, nor to a more efficient handling of it. In order to achieve that, surveillance systems need to become more intelligent, better support the human decision process and only provide and store meaningful data. At the same time, the numbers of false alarms and misses must be reduced compared with the present situation. An important issue in this mainly technical field are the legal aspects of camera-based surveillance. Please visit <http://www.sas.el.utwente.nl/wic2008mwm/> for more information.

FINAL PROGRAMME

- 09:15 Registration
- 09:55 **Opening and welcome address**
Raymond Veldhuis, University of Twente, Enschede, The Netherlands
- 10:00 **The Happy Crowd Control Concept**
Koos van Woerden, ADO, Den Haag
- 10:30 **Image processing for outdoor scene understanding**
Kramer Schutte, TNO, The Netherlands
- 11:00 Coffee break
- 11:20 **Looking at people**
Dariu Gavrilă, University of Amsterdam, The Netherlands
- 12:05 **Legal aspects of camera surveillance**
Els Kindt, Katholieke Universiteit Leuven, Belgium
- 12:35 Lunch
- 13:35 **Detecting verbal aggression in a real-life inner city environment**
Peter van Hengel, Sound Intelligence, Groningen, The Netherlands
- 14:20 **Innovations in Face Recognition Technology**
Stefan Gehlen, L-1 Identity Solutions, Bochum, Germany
- 15:05 Tea Break
- 15:25 **A Flight Simulator for Security Solutions: Ambition and Challenges**
Kees Nieuwenhuis, Thales, Enschede, The Netherlands
- 15:55 **Surveillance images and 3D modelling**
Jurrien Bijhold, NFI, The Netherlands
- 16:25 **Closing**
Marcel Worring, University of Amsterdam, The Netherlands

REGISTRATION

Participants should register **before January 21, 2008** to Raymond Veldhuis. Fax: +31 53 4891060, e-mail: WIC2008MWM@el.utwente.nl. The number of participants is limited. All registrations will be acknowledged. The admission fee including lunch is €2,50 per person and must be paid *in cash* upon entering the "Blauwe Zaal". Students pay €37,50

DIRECTIONS

Directions to TU/e can be found at http://w3.tue.nl/nl/de_universiteit/route_en_plattegrond/

ORGANIZERS

Raymond Veldhuis (University of Twente), Marcel Worring (University of Amsterdam)

LOCAL ARRANGMENTS

Frans Willems (TU/e), Ludo Tolhuizen (Philips Research Laboratories, Eindhoven)

SPONSORS

The IEEE Benelux Chapter on Information Theory; The IEEE Benelux Chapter on Signal Processing