

## **Workshop “ Measuring behavior in forensic research and prevention of crime” during the 7th International Conference on Methods and Techniques in Behavioral Research**

### **Venue**

The conference takes place on the High Tech Campus Eindhoven during the Measuring Behavior Conference 2010

**Location:** Lorentz-Zeeman room  
**Date:** 26 August 2010  
**Time:** 10:00 – 13:00

### **Address**

High Tech Campus Eindhoven  
The Strip  
High Tech Campus 1  
5656 AE Eindhoven  
Phone: +31(0) 40 2741641

### **Measuring Behavior Conference 24 - 27 August 2010**

The 7th International Conference on Methods and Techniques in Behavioral Research Measuring Behavior 2010 will take place on 24 - 27 August 2010 in Eindhoven, The Netherlands.

Measuring Behavior is the premier interdisciplinary event for scientists and practitioners concerned with the study of human or animal behavior. This unique conference focuses on methods, techniques and tools in behavioral research in the widest sense; from neuroscience and zoology to psychology and consumer behavior, and from human factors research to public safety and smart homes.

Measuring Behavior 2010 is chaired by Boris de Ruyter (Philips Research). The Scientific Program Committee is co-chaired by Emilia Barakova (Technical University of Eindhoven) and Andrew Spink (Noldus Information Technology). Measuring Behavior 2010 is chaired by Boris de Ruyter (Philips Research). The Scientific Program Committee is co-chaired by Emilia Barakova (Technical University of Eindhoven) and Andrew Spink (Noldus Information Technology). ). For more information see:

<http://www.measuringbehavior.org>

### **Description of the workshop 26 August 2010**

#### **Title: Measuring behavior in forensic research and prevention of crime**

Measurement of human behavior has a number of applications in the prevention of crime and in the investigation of a crime scene. The purpose of the workshop is to discuss and to get more insight in the possibilities to combine methods and technologies for measuring behavior in forensic research in crime scene investigation and new security concepts to predict and to prevent crimes.

In this workshop, four applications are presented that are based on the use of different methods and techniques. These applications could benefit from each other by a mixed use of the methods and techniques presented. This question will be discussed with the audience.

#### **Time schedule**

The time schedule for the workshops presentations is 15 min. presentation 15 min. discussions.

**Registration:** <http://www.measuringbehavior.org/mb2010/registration>.

## Program

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**Time: 10:00 – 13:00**

### **10.00 Chair: Hans Arnold (The Netherlands Forensic Institute)**

Introduction and structure of the workshop.

### **10.10 - 10.40 Andro Vos/ Jurrien Bijhold (The Netherlands Forensic Institute)**

#### **CSI the Hague**

One of the goals of the CSI The Hague innovation project is to realize a facility in which a crime scene researcher can be observed in both a reconstructed crime scene and in a virtual copy of it (serious gaming). For the Netherlands Forensic Institute it is very important to carry out this exercise in cooperation with experts, institutes and companies with appropriate specialized expertise.

Measurements of behavior can help to improve feedback to trainee investigators and to study effects of particular circumstances on the behavior of the investigators.

### **10.40 - 11.10 Coffee break**

### **11.10 - 11.40 Arend van der Stadt (Eagle Vision, The Netherlands)**

#### **People tracking with a network of stereo cameras**

Eagle Vision is a company that has developed a system based on a network of stereo cameras for registration of people's movements over time. Noldus is a company that has developed a system for describing movements based on video recordings. A proposal for combining these systems in the context of a CSI experiment is presented and discussed

### **11.40 -12.10 Ron Knaap (Trigion, The Netherlands)**

#### **MultiPaV-BeWare: "To predict the science of the past"**

BeWare is an innovation project which will be able to analyse and combine data from alarm panels and systems, fence detectors, security cameras, public sources and police files. Software will unravel patterns and signals anomalies, for instance by making comparisons with historical data. Any anomaly will immediately trigger a warning. It is a dynamic concept that constantly adapts to changes in the environment and takes into account the reactions of security and emergency personnel. The application of this technology in training crime scene investigators is discussed

### **12.10- 12.40 Remco Wijn (TNO Defense & Security, The Netherlands)**

#### **Smart interpretation: New methods for observing anomalous behavior**

Preventing violent or terrorist acts begins with detecting anomalous behavior in groups of people. TNO has studied and mapped out behavior of this kind. TNO also analyses camera images and radar data and uses pattern recognition to detect any anomalous behavior that they contain.

### **12.40 - 1300 Final discussion**

#### **Queries and detailed information**

For detailed information please contact:

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