



24th Annual European Conference on Human Decision Making and Manual Control

PRELIMINARY PROGRAM

Monday 17 October 2005

Registration

Welcome speech

10:00-10:15 *Angelos Amditis (Institute of Communication and Computer Systems)*

Keynote Speech—Welcome from EAM Scientific Committee

10:15-10:30 *P.A.Wieringa (Univ.Delft)*

Historical Views on Human Engineering: From Control to Cognition

10:30-11:15 *Gunnar Johannsen (University of Kassel)*

Coffee Break

Study and Development of "an AD-HOC Tool" for occurrence reporting in aviation maintenance

11:30-12:00 *P.C.Cacciabue, E.De Grandis, C.Cardani, F.Maccio (JRC)*

Situation Awareness in Camera Surveillance

12:00-12:30 *Natasha Weitenberg (TNO)*

Design of a friendly HMI combining multiple sources of warnings for the Lateral Safe applications

12:30-13:00 *Alexis Panagiotopoulos (ICCS), Maria Gemou (CERTH), Lars Danielson (VOLVO), Angelos Amditis (ICCS), Evangelos Bekiaris (CERTH)*

Lunch Break

Validation of a new method for communications analyses the operating room

14:00-14:30 *E.M. Blom (Univ.Delft), E.G.G.Verdaasdonk (Univ.Delft), L.P.S. Stassen (Univ.Delft), P.A.Wieringa (Univ.Delft), J.Dankelman (Univ. Delft), H.G.Stassen (Univ.Delft), S.L.M.Remijn (Ergos Engineering, Enschede)*

SBW system parameter adaption to handling characteristics of human driver

14:30-15:00 *Massato Abe (Kanagawa Inst. Of Technology)*

Gender differences in driving performance during simulation-based training: distinguishing between operation and motivation

15:-15:30 *J.C.F DeWinter(Univ. Delft), P.A.Wieringa(Univ. Delft),M.Mulder (Univ. Delft), J.Kuipers (Green Dino Virtual Realities) ,H.W.Boschloo(Univ. Delft)*

Coffee Break

Redesigning an interactive safety-critical system to prevent an accident from reoccurring

16:00-16:30 *Sandra Basnyat (Univ. Paul Sabatier),Nick Chozos (Univ. of Glasgow), Chris Johnson (Univ. of Glasgow) &Philippe Palanque (Univ. Paul Sabatier)*

Evaluating functional displays for hydropower system:Model-based guidance of scenario design

16:30-17:00 *Penelope Sanderson (Univ. of Queensland), Xilin Li(Univ. of Queensland), Rizah Memicevic (Univ. of Queensland) William Wong (Middlesex University)*

**Tuesday 18 October 2005
Morning**

Multi-driver agent -based traffic simulation system for evaluation of effects of advanced driver assistance system

10:00-10:30 *Naohiro Yuhara(Nihon Univ),Jun Tarima (Advanced Solutions Technology)*

Fatigue at sea

10:30-11:00 *Margareta Lutzhoft (VTI), Mats Gillberg (Karolinska Institute,Sweden)*

Coffee Break

Driving behaviour in low-cost driving simulators: using vibrations to improve braking and cornering behaviour

11:30-12:00 *H.W.Boschloo(Mech.Engineering,DELFT Univ.),P.A.Wieringa(Mech.Engineering,DELFT Univ.),M.Mulder (Aerospace Engineering,DELFT Univ.),,J.C.F. De Winter (Delft Univ.)
J.Kuipers(Mech.Engineering,DELFT Univ&Green Dino Virtual Realities)*

The research of the pedestrians problem based on shock-wave

12:00-12:30 *Lu Chunxia (Shangai Jiaotong Univ.)*

Visual representation of narrative incident reports in surgical operation rooms

12:30-13:00 *D.W. Venekamp (Univ. Delft), Y.Xiao (Univ. of Maryland),P.A. Wieringa (Univ. Delft),
D. Ho (Univ. Delft)*

Lunch Break

Tuesday 18 October 2005
Afternoon

In-vehicle configuration for the provision of personalized infomobility navigation services

14:00-14:30 *Evangelos Bekiaris, Maria Panou, Konst/nos Kalogirou (CERTH/HIT)*

Driver-vehicle-environment monitoring for an adaptive automotive HMI:the AIDE approach

14:30-15:00 *Anastasia Bolovinou, Aris Polyhronopoulos, A.Amditis (ICCS)*

Driving stability correlated with automated in vehicle systems

15:00-15:30 *Cristina Re(JRC), E.Carusi (Kite Solutions)*

Coffee Break

Round Table Discussion

15:50-17:00 *EAM Scientific Committee*

Wednesday 19 October 2005

Experimental study on different HMI design options for Lateral Safe application

10:00-10:30 *Ev.Bekiaris(CERTH/HIT) , Vassilis Papakostopoulos(CERTH/HIT) ,
Maria Gemou(CERTH/HIT) , Evangelia Gaitanidou (CERTH/HIT)*

Investigating crowd behaviour during emergency evacuations using Agent-based modelling

10:30-11:00 *Nikos Zarboutis (NTUA/Mechanical Engineering),
Nikolaos Marmaras (NTUA/Mechanical Engineering)*

Coffee Break

Recognition systems of driver's intention on steering control and its application to steering system design

11:30-12:00 *Naohiro Yuhara(Nihon Univ.), Jun Tajima (Advanced Solutions Technology)*

Human reactivity and adaptability in transport system

12:30-13:00 *Stephen Queva (University of Valenciennes&CNRS), Frederic Vanderehaegen (University of
Valenciennes), Jean Marion (Transp. Authority, CNRS)*

Lunch Break

A review on the integration of human factor in marine safety: The sleeping giant under the spotlight

14:00-14:30 *Nikolaos P. Ventikos (NTUA/Naval Architecture),
Harilaos N. Psaraftis(NTUA/Naval Architecture)*

Formalization of a scenario concept to dynamic problem solving

14:30-15:00 *Lasaad Mejri (Faculte de Sciences de Bizerte), Patrice Caulier(Univ. Valenciennes)*

Coffee Break