

**EAM06 - Final programme**  
Conference room – University of Valenciennes – Les Tertiales – FRANCE  
27-28-29 September 2006

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**Wednesday 27<sup>th</sup> of September**

*The secretary will open at 8.30*

**9h00-9h30: Welcome session – Patrick Millot and Frédéric Vanderhaegen**

**9h30-11h00: Session 1 – Intelligent systems - Chairmen: P. Polet (F), C. Johnson (GB)**

A wearable computer based maintenance, diagnosis and repairing activities in computer augmented environment - B. David (F), G. Masserey (F), O. Champalle (F), R. Chalon (F), O. Delotte (F)

Assistance, advice and guidance with digital coaching - Jean-Claude Tarby (F), José Rouillard (F)

From three multiagent layers to one teaching agent - P. Gravé (F), H. Boukachour (F), M. Ennaji (F)

**11h00-11h30: Coffee break**

**11h30-12h30: Session 2 – Human behaviour modeling - Chairmen: P. Drazetic (F), P.-C. Cacciabue (I)**

An experimental protocol to study the car ingress/egress movement for elderly and pathological population - Ait El Menceur M.O. (F), Pudlo P. (F), Chateauroux E. (F), Gorce P. (F), Lepoutre F.X. (F)

Towards new supervision systems based on web services and dedicated to nomadic operators - Djilali Idoughi (DZ), Christophe Kolski (F)

**12h30-14h00: Lunch**

**14h00-15h30: Session 3 – Risk control in transport application - Chairmen: J. Petersen (DK), P. Bonnifait (F)**

Subjective risks and traffic violations: first results of an experimental study in driving simulator - Chalmé S. (F), Chaali, A. (F), Anceaux F. (F)

Individual characteristics affecting intersection behavior in a driving simulator - J.C.F. de Winter (NL), M. Houtenbos (NL), P. A. Wieringa (NL), J. A. Mulder (NL), J. Kuipers (NL), S. de Groot (NL)

The BCD model for biomechanical application - F. Robache (F), H. Morvan (F), P. Polet (F), M.-P. Pacaux-Lemoine (F), F. Vanderhaegen (F).

**15h30-16h00: Coffee break**

**16h00-17h30: Session 4 – Risk control in industrial process - Chairmen: A. Amditis (GR), G. Johannsen (D)**

Ariadne – internet based error risk management and prevention system - W. D K ppler (D)

A modelling approach for analysing the barrier effects through the event trees analysis - Mahmoud Shahrokhi (F), Alain Bernard (F)

Traceability a new approach to obtain decision-making aid - Vellemans Philippe (F), Billaudel Patrice (F), Riera Bernard (F)

**19h00-21h00: Welcoming reception – H tel de Ville de Valenciennes**

**21h00: Scientific Committee meeting**

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**Thursday 28<sup>th</sup> of September**

**8h45-10h15: Visit of the Tramway of Valenciennes** (Meeting place: Tramway station "Saint Waast")

**10h30-11h00: Coffee break (return to Conference room – Les Tertiales)**

**11h00-12h30: Session 5 – Decision and control modelling for transport applications** - *Chairmen: M. Lind (DK), F. Anceaux (F)*

Criteria elaboration to consider individual acceptance of the variable road signs - Duquesne L. (F), Crévits I. (F), Millot P. (F)

Control Theory prediction model for simulating driver interactions with Advanced In-Vehicle systems - Christina Re (I)

The application of root cause analysis for definition of scenarios in automotive domain - M. Alonso (E), L. Macchi (I), M. Marchitto (I), J. Plaza (E)

**12h30-14h00: Lunch**

**14h00- 15h30: Session 6 – Methodological approach for supervision** - *Chairmen: F.-X. Lepoutre (F), B. David (F)*

Explicit combination between petri nets and ergonomic criteria: basic principles of the ErgoPNets method - Stéphanie Bernonville (F), Nicolas Leroy (F), Christophe Kolski (F), Marie-Catherine Beuscart (F)

Variable probability-possibility transformation - Moamar Sayed Mouchaweh (F), Mohamed Saïd Bouguelid (F), Patrice Billaudel (F), Bernard Riera (F)

Automatic supervision survey for spica-rail program - F. Belmonte (F), J-L. Boulanger (F), W. Schön (F), K. Berkani (F)

**15h30-16h00: Coffee Break**

**16h00-17h00: Session 7 – Industrial process control and supervision** - *Chairmen: D. Trenteseaux (F), G. Boy (F)*

Expert Group Judgment and its Role in the Maritime Industry : Presentation of a case Study and Lessons Learned - Nikolaos P. Ventikos (GR), Pantelis G. Anaxagorou (GR)

Intelligent environment for rapid process design - Bilal Hussein (RL), Patrice Caulier (F), Moncef Yousef (RL), Patrik Millot (F), Yahia Rabih (RL)

**17h00-18h00: Session 8– Dynamic control** - *Chairmen: G. Johannsen (D), P. Millot (F)*

Energy flow /barrier analysis, a novel view - Mahmoud Shahrokhi (F), Alain Bernard (F)

Affordances and cognitive control of dynamic situations: the case of driving - Marcilly R. (F), Anceaux F. (F), Luyat M. & Tijus C. (F)

**20h00: Gala dinner – Happy anniversary to EAM – Restaurant “L’Art des Mets” – Valenciennes**

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**Friday 29<sup>th</sup> of September**

**9h30-10h30: Session 9 – Energy and pollution control - Chairmen: P. Wieringa (NL), J. Wilson (GB)**

On-board system design to optimise energy management - Jérôme Barbé (F), Guy Boy (F)

Comparison of bayesian classifiers to detect pollution - D. Gacquer (F), F. Delmotte (F), V. Delcroix (F), S. Piechowiak (F)

**10h30-11h00: Coffee Break**

**11h00-12h30: Session 10 – Human-Machine interface - Chairmen: C. Kolski (F), B. David (F)**

Extending interface design principles based on scale types - Johannes Petersen (DK) and Michael May (DK)

Context-aware mobile interfaces for process automation - Mikkel Holm Olsen (DK), Morten Lind (DK)

Human-machine collaboration through vehicle head up display interface - V. Charissis (GB), S. Papanastasiou (GB), P. Anderson (GB)

**12h30-14h00: Lunch**

**14h00-16h00: Annual Meeting of the Research Group on Human-Machine SYstems in Transportation (GDR E HAMASYT)**

**16h00-17h00: Coffee break**