



TOWARDS FUTURE AUTOMOTIVE HMI

AIDE FINAL WORKSHOP AND EXHIBITION

INVITATION

April 15-16, 2008
Volvo Technology
Lindholmen, Gothenburg
Sweden



WWW.AIDE-EU.ORG



INVITATION

20/03/2008

The AIDE Consortium is pleased to invite you to the AIDE Final Workshop and Exhibition: "Towards Future Automotive HMI", to be held at the Volvo Technology premises in Gothenburg, Sweden, from Tuesday the 15th of April, to Wednesday the 16th of April, 2008.

AIDE is a 6th Framework Programme EU co-funded Integrated Project on the design, development and validation of a generic Adaptive Integrated Driver-vehicle Interface.

The AIDE final Workshop aims to bring together all stakeholders in the area of automotive HMI research, such as automotive HMI experts and developers; senior representatives at companies involved in automotive HMI R&D and representatives from the European Commission.

During the workshop, the AIDE project concept, as well as the results of the AIDE project, will be presented and discussed. Information from related efforts outside the project (European and worldwide) will be presented, and future challenges and research needs within automotive HMI will be discussed.

The main focus of the first workshop day will be future research needs, based on an overview of results from AIDE and related efforts.

The second day will be organised in parallel sessions, where the results and achievements of the AIDE project can be presented in more detail.

The workshop will be accompanied by an exhibition, where the three AIDE prototype vehicles will be demonstrated, together with an extensive selection of other project results, presented by means of demonstrations or posters.

Registration is now open. Please use the registration form you received together with this invitation.

More details on the workshop and the exhibition are available on the following pages. Registered attendees will also receive a further information package with all necessary details a few weeks before the event.

We are looking forward to meeting you in Gothenburg!

The AIDE IP Coordinator

Gustav Markkula
VTEC

and the AIDE Dissemination Manager

Angelos Amditis
ICCS



Workshop Program - Tuesday, 15 April 2008

Day 1: Overview of AIDE and Outlook to the Future		
Time	Topic	Presenter
08.30-9.30	Registration & Coffee	
09.30-10.30	Opening and Introduction	Welcome and Opening <i>Ulf Palmquist, Director, EUCAR</i>
		Welcome / Keynote speeches <i>Zita Gurmai, Member of the European Parliament</i>
		<i>André Vits, Head of Unit, ICT for Transport, European Commission</i>
		<i>Malin Persson, CEO, Volvo Technology</i>
		Introduction to AIDE IP <i>Gustav Markkula, AIDE IP Coordinator, Volvo Technology</i>
	Overview of workshop <i>Angelos Amditis, AIDE Dissemination Manager, ICCS</i>	
10.30-11.00	Coffee break	
11.00-11.55	Overview of AIDE results	Sub-Project 1: Behavioural effects and Driver-Vehicle-Environment Modelling <i>Roberto Montanari, University of Modena</i>
		Sub-Project 2: Evaluation and Assessment Methodology <i>Klaus Bengler, BMW</i>
		Sub-Project 3: Design and Development of an Adaptive Integrated Driver-Vehicle Interface <i>Angelos Amditis, Institute of Communication and Computer Systems</i>
11.55-13.45	Walk to the exhibition area	
	Opening of exhibition and poster session	
	Lunch at the exhibition area	
13.45-15.30	Automotive HMI: Current status and future challenges	An OEM perspective on HMI status and research needs <i>Lutz Eckstein, General Manager Ergonomics and HMI, BMW Group</i>
		Results and recommendations of the US SAVE-IT project <i>Matthew R Smith, Senior Human Factors Scientist, Delphi Electronics and Safety</i>
		AIDE and EUCAR SGI perspective on future research needs <i>Luisa Andreone, CRF, Leader EUCAR working group on HMI and AIDE SP3 vice-leader</i>
		Round table discussion. Moderator: Peter Burns, <i>Chief, Ergonomics and Crash Avoidance, Transport, Canada</i> <u>Panel consisting of above speakers, as well as:</u> <i>André Vits, Head of Unit, ICT for Transport, European Commission</i> <i>Dietrich Manstetten, Senior Consultant on Human Machine Interaction, Corporate Research, Bosch</i> <i>Richard van der Horst, TNO Defence, Security and Safety</i>
15.30-16.00	Coffee break	
16.00-17.00	Agreeing on common solutions	AIDE and Nomadic Device integration <i>Mike Gardner, Motorola</i>
		The Nomadic Device Forum activities <i>Gustav Markkula, Volvo Technology</i>
		AIDE recommendations for guidelines and standards <i>Christhard Gelau, BAST</i>
18.00	Closure of the exhibition area	
19.30	Social event – dinner	

Workshop Program - Wednesday, 16 April 2008

Day 2: AIDE Final Results - 16/04/2008		
Time	Topic	Presenter
09.30-10.15	Opening and welcome coffee The exhibition area and the poster session opens and is maintained open for the full day	
10.15-10.40	Overview of the parallel sessions	Gustav Markkula, AIDE IP Coordinator, Volvo Technology
	Walk to session rooms	
10.40-11.40	Parallel sessions on AIDE results, by Sub-Project <i>See further below for detailed agendas</i>	
11:40-12.00	Coffee Break	
12.00-13.00	Parallel sessions continue	
13.00-14.00	Lunch break	
14.00-14.40	Workshop conclusions - AIDE project official closure – Overall Achievements - Expected impact and future work.	AIDE Sub Project leaders AIDE IP Coordinator
15.30	Closure of the Exhibition Area and Poster session	

Parallel Sessions Program - SP1

Parallel Session Agenda Driver-Vehicle-Environment Modelling within AIDE – Results presentation of Sub-Project 1		
Time	Topic	Presenter
10.40-10.50	Welcome and introduction on SP1	
10.50-11.40	Behavioural effects of Driver Assistance Systems	Introduction on objectives and overview of experiments
		Short Term results
		Long Term results
		Open discussion
11.40-12.00	Coffee Break	
12.00-13.00	Driver - Vehicle Environment Modelling and Simulation	Driver - Vehicle Environment model
		Driver - Vehicle Environment simulation
		Tuning and validation of Driver model
		Open discussion and conclusions

Parallel Sessions Program - SP2

Parallel Session Agenda Evaluation and Assessment Methodology of AIDE – Results presentation of Sub-Project 2			
Time	Topic		Presenter
10.40-10.50	Welcome and introduction on SP2		Rino Brouwer, <i>TNO</i>
10.50-11.40	AIDE Evaluation and Assessment Methods	Driver workload and distraction assessment methods and tools	VTEC
		Generic evaluation methodology	CRF
		Open discussion	ALL
11.40-12.00	Coffee Break		
12.00-12.45	AIDE Prototype evaluation		VTI
12.45-13.00	Open discussion and conclusions		ALL

Parallel Sessions Program - SP3

Parallel Session Agenda AIDE Adaptive Integrated Driver-Vehicle Interface design and development – Results presentation of Sub-Project 3			
Time	Topic		Presenter
10.40-10.50	Welcome and Introduction to SP3		Angelos Amditis, <i>ICCS</i>
10.50-11.40	AIDE System requirements and specifications	AIDE Use cases and scenarios	SEAT
		Input/Output devices in AIDE	VTEC
		AIDE System Architecture	BOSCH
		Open discussion	ALL
11.40-12.00	Coffee Break		
12.00-13.00	AIDE system implementation	Driver-Vehicle-Environment monitoring modules	ICCS
		Interaction and Communication Assistant module	CRF
		AIDE prototype vehicles	VTEC
		Open discussion and conclusions	ALL

AIDE Exhibition

The AIDE Final Workshop is combined with the demonstration of the AIDE results. The Exhibition will be open for participants according to the following schedule:

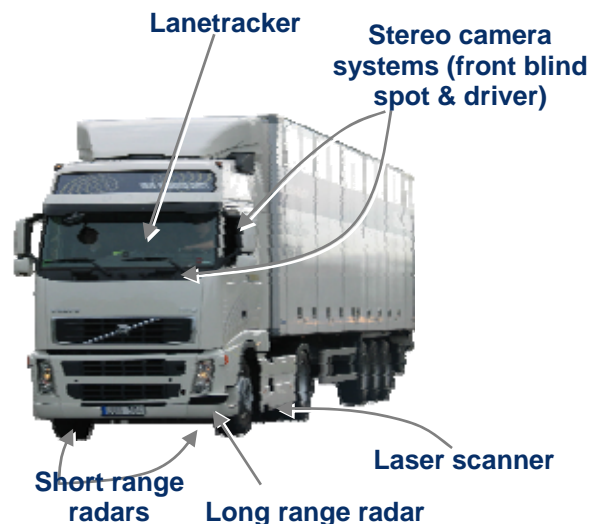
AIDE Exhibition Area Schedule	
Day 1 - 15/04/2008	
Opening - Ribbon Cutting	11.45
Closing	18.00
Day 2 - 16/04/2008	
Opening	9.30
Closing	15.30

The workshop's participants will be able to see and experience the AIDE features through guided static demonstrations. The AIDE partners will be available at the stand points for any information requested.

Indicatively, the Exhibition area will include:



The AIDE Vehicle demonstrators
 Interact with the HMI of the SEAT city car demonstrator, the Fiat luxury car demonstrator, and the Volvo truck demonstrator. The AIDE demonstrators show three implementations of the AIDE concept, illustrating HMI adaptivity as well as integration of in-vehicle information systems, active safety systems and nomadic devices into one safe and user-friendly whole.



AIDE Exhibition

Other AIDE demonstrations:

- **AIDE Sub-Project 1:**
 - Simulations of Driver – Vehicle – Environment interaction

- **AIDE Sub-Project 2:**
 - Demonstrations of HMI evaluation/assessment tools, such as Enhanced Occlusion Technique (EOT), Tactile Detection Task (TDT), Lane Change Task (LCT)

- **AIDE Sub-Project 3:**
 - AIDE Speech User Interface
 - AIDE Nomadic Devices Gateway
 - AIDE Interaction and Communication Assistant (AIDE HMI logic module)
 - Demonstrations of AIDE Driver-Vehicle-Environment monitoring modules





Venue Details

Venue

Volvo Technology facilities in Lindholmen, Gothenburg (street address Götaverksgatan 10).

Hotel

Recommended hotel Quality Hotel 11 (<http://www.hotel11.se>). The hotel is located 3 km from the conference venue, street address Maskingatan 11.

For a single room including breakfast, the hotel will charge each guest, upon check-out, SEK 1157:-/night, (approx. 123 €). If you wish we can reserve a room for you. Please make your request for hotel reservation on the conference registration form.

How to reach the conference area

Between Quality Hotel 11 and the conference venue bus transport will be available for conference attendees at beginning and at the end of the workshop days.

From/to airport: Travel time from Landvetter airport to the conference venue or Quality Hotel 11 is 20-30 minutes by car/taxi. Public transportation options exist, but they will involve changing buses in Gothenburg city centre. More detailed information on transportation will be distributed to registered attendees before the conference.

Parking your car

You can park your car at the Quality Hotel 11 (SEK 30 / 24 hrs). If you anyway foresee a need to park your car at the conference area (daytime only), please indicate this on the registration form.

Logistics

Registration:

To register for the AIDE Final Workshop and Exhibition, please fill in the registration form you received today with this invitation and return it by e-mail to helen.karlsson@volvo.com no later than **March 14, 2008**. If prefer you can send the registration by fax, to +46 31 66 64 15.

Please note that the number of attendees is limited, and that registrations will be processed on a first come first serve basis.

Conference Fee:

There is a conference fee of **130 € (150 €** if you pay cash upon arrival in Gothenburg), regardless of whether you are attending one or both days. This includes workshop material, coffee and lunches, as well as certain bus transports.

For payment instructions please see the registration form.

Social Event:

A dinner for conference attendees will be organised at the River Café, near Quality Hotel 11 (<http://www.rivercafe.se/>, info in Swedish). This will be scheduled for the evening of 15th of April 2008. **Cost 50 €** .

For registration to the social event and payment instructions please see the registration form.

Further information:

Registered attendees will receive an updated information package before the conference. Please direct any questions regarding your registration to Ms Helen Karlsson (helen.karlsson@volvo.com).