

## workshop presentation

The introduction of intelligent integrated safety functions, including Advanced Driver Assistance Systems, will significantly contribute to safer vehicles in Europe, towards the goal set by the European Union of a 50% reduction of road fatalities by 2010.

The potentials of several systems have already been demonstrated by a number of European RTD projects, involving the automotive industry, the equipment suppliers infrastructure operators and the research community. However, to achieve the expected benefits, efforts are necessary to stimulate a widely spread deployment in the marketplace, turning the most promising developed technologies into business opportunities.

In this context, the Technical Workshop on IST Applications for Road Safety aims to present and discuss relevant systems, focusing results of two projects of the Fifth Framework Programme, now coming to their conclusion.

Two major topics will be addressed:

The first part of the workshop will be dedicated to the **Protection of Vulnerable Road Users**, a major issue in view of the coming legislative rules. The outcomes of the **Protector** project, regarding sensor technologies, situation assessment and the evaluation process will be presented.

The second part of the workshop will be focused on **Pre-Crash** sensing, addressing applications which can link preventive and passive safety. The discussion, based on results from the **Chameleon** project, will be focused on obstacle detection technologies which can improve the activation of reversible or irreversible restraint systems for enhanced occupant protection.

The workshop will give to participants several opportunities: These include the presentations given by project partners, general discussions, and face-to-face meetings with technology developers, when visiting the laboratory with demonstrations of various systems, implemented in four prototype vehicles.

The meeting will examine the current state-of-the-art and will discuss a future road map for the implementation of relevant safety applications on European roads.

## directions / location plan



# Final Workshop

on IST Projects:

*Pedestrian protection -  
Pre-crash sensing*



March 25th, 2003

organised by:

**ika**  
**RWTH**

INSTITUT FÜR  
KRAFTFAHRWESEN  
AACHEN





- 8.30 - 9.00 **Registration**
- 9.00 - 9.15 **Welcome** (*ika*)
- 9.15 - 9.30 **Introduction to the workshop**  
(*EC Commission*)
- 9.30 - 10.15 **The Protector project** (*CRF*)  
**Environment sensors**  
(*Ibeo, DC, Siemens*)
- 10.15 - 10.30 **Break**
- 10.30 - 12.00 **Risk Assessment** (*Univ. Pavia*)  
**Demonstrators** (*CRF, DC, MAN*)  
**Validation process** (*ika, TÜV*)
- 12.00 - 12.15 **Conclusion & Discussion**
- 12.15 - 14.00 **Lunch + Presentation of prototypes**
- 14.00 - 15.00 **The Pre-crash application in the Chameleon project** (*CRF*)  
**Advanced sensorial solutions for Pre-crash** (*Ibeo / Tamam*)  
**Forum and discussion on sensor technologies** (*Conti-Temic, Ibeo, Tamam, Thales, Saab*)
- 15.00 - 15.15 **Break**
- 15.15 - 16.30 **Verification of the functional requirements of the Chameleon Pre-crash sensor** (*ika*)  
**EICAS Crash Prediction Algorithm: methodological approach and experimental result** (*EICAS*)  
**Effectiveness of Pre-crash system in Chameleon** (*CSST*)
- 16.30 - 17.30 **Presentation of prototypes and close discussions with developers**  
(*ika facilities*)

**Place of workshop**

Institut für Krafftahwesen Aachen (*ika*),  
RWTH Aachen University  
Steinbachstr. 7, D-52074 Aachen, Germany  
Tel. +49 (0)241 / 80-25 600, Fax +49 (0)241 / 80-22 147

Participation fee EUR 100,- (+16% VAT) including beverages and lunch.  
Please use the attached registration form or send registration via e-mail to: ziebarth@ika.rwth-aachen.de

The number of participants is limited. The registration depends on the order of the incoming applications. If a participation is no longer possible, you will receive a note. Please use the attached registration form and send it back until March 17th, 2003. The way to *ika* can be downloaded from *ika*'s homepage.  
In case of non-appearance a handling fee of EUR 50 is collected.

**Hotel reservation**

Bookings can be arranged by the following tourist office:  
Verkehrsverein Bad Aachen e.V.,  
aachen tourist service, Postfach 10 22 51, D-52022 Aachen,  
Tel. 0241 / 180 29 01, Fax 0241 / 180 29 30  
e-mail incoming@aachen-tourist.de  
internet http://www.aachen-tourist.de

**Detailed information about the projects Chameleon and Protector can be found at:**

<http://www.crfproject-eu.org>

Registration

Registration form for the Technical Workshop on March 25th, 2003  
at Institut für Krafftahwesen Aachen, RWTH Aachen University  
Please send this form back until March 17th, 2003 Fax: +49 (0)241 / 80-22 147

Name	first name	Div.	City	Fax
Company				
Street / P.O. Box				
Country	Zip-Code			
Phone				
e-mail				

Participation fee  EUR 100,- (+ 16% VAT)

Upon payment of our invoice

Place:

Date:

Sign: