The conference

On December 7 and 8, 2006 the 4th International Conference "Protection of children in cars" will take place in Munich, chaired by Prof. Klaus Langwieder. The conference continuously developed into one of the most important specialised events in Child Safety. The international audience of the last conferences since 2002 has been extended: key note speakers from Europe, USA and Australia will present their research results and product developments. This conference offers an international forum for exchange of experience in all fields of Child Safety activities.

The interdisciplinary programme of this conference addresses car and child seat manufacturers, accident researchers, both engineers and paediatrists, engineering services, representatives of legislative bodies, universities, testhouses, consumer organisations and media specialists.

An exhibition will be held parallel to the conference, where interested companies have the opportunity to present their products. Enquiries should be addressed to Ms Ute Alius.

Protection of children in cars

4th International Conference

December 7 – 8, 2006
Munich, Germany

Chairman
Prof. Dr. Klaus Langwieder

Programme committee

- Dr. Wilfried Klanner ADAC e.V., Munich, Germany
- Klaus Werkmeister BMW Group, Munich, Germany
- Farid Bendjellal, Britax Childcare, Rueil Malmaison, France
- Bernd Lorenz, Bundesanstalt für Straßenwesen (BASt), Bergisch Gladbach, Germany
- Koshiro Ono, Japan Automobile Research Institute, Tokyo, Japan
- Brian Fildes, Monash University, Victoria, Australia
- Wolfgang Christ, RECARO GmbH & Co. KG, Marktleugast, Germany
- Henry Görlitz, Stiftung Warentest, Berlin, Germany
- Renate Eberle, TÜV SÜD Akademie GmbH, Munich, Germany
- Prof. Christopher Sherwood, University of Virginia, USA
- Prof. Klaus Langwieder (Chairman)
Agenda on Thursday, December 7, 2006

9:30 Welcome
Prof. Dr. Klaus Langwieder and TÜV SÜD

Section 1: International safety standards and rulemaking
9:45 The main achievements of the European CHILD project
Françoise Brun-Cassan, Philippe Lesire, LAB PSA Peugeot Citroën/Renault, Nanterre, F; Rachel Grant, VSRC; Sebastian Weber, TU Berlin

10:15 Some consumer observations with respect to ECE 44
Ronald Vroman, Consumentenbond, Den Haag, NL

10:45 Coffee break

11:15 EEVC WG 18: work status and presentation report of proposals for R44 changes
Gonçal Tejera, Applus + IDIADA, Santa Oliva, E; Manuela Cataldi, FIAT; Philippe Lesire, LAB PSA; Ylva Matstoms, VTI

11:45 Benefits of rear facing restraints for older children
Christopher Sherwood, Yasmina Abdelilah, Jeff Crandall, University of Virginia, Charlottesville VA, USA

12:15 Effectiveness of booster seats
Judith Charlton, Monash University Accident Research Centre, Victoria, AU

12:45 Lunch

Section 2: Accident research and biomechanics
13:45 Current trends and facts from partners for child passenger safety
Rajiv A. Menon, Flaura Winston, The Children’s Hospital of Philadelphia, USA

14:15 CHILD: Analysis of CHILD data related to frontal impacts
Alan Kirk, Rachel Grant, Vehicle Safety Research Centre, Loughborough University, GB; Philippe Lesire, LAB PSA Peugeot Citroën/Renault; Marianne Johansson, Chalmers University of Technology

14:30 CHILD: Analysis of CREST and CHILD data related to side impacts
Philippe Lesire, LAB PSA Peugeot Citroën/Renault, Nanterre, F; Véronique Herve, CEESAR; Alan Kirk, Loughborough University

14:45 Child neck finite element model development and validation against experimental data
Remy Willinger, F. Meyer, S. Roth, Strasbourg University, F

15:15 Coffee break

Section 3: Consumer information
15:45 Misuse of Child Restraint Systems in cars
Wolfgang Fastenmeier, Ulf Lehnig, mensch-verkehr-umwelt, Munich, D

16:15 New ways of consumer information
Henry Görlitz, Stiftung Warentest, Berlin, D

16:45 Reducing misuse of Child Restraint Systems – an attempt to treat loose harness problem
Farid Bendjellal, Britax Childcare, Rueil Malmaison, F; Shaun Carine, Britax Research Institute, Mark Bennett, Britax Excelsior Ltd., Hampshire

17:15 End of the first conference day
18:30 Evening event
Agenda on Friday, December 8, 2006

**Section 4: Test procedures and dummies**

8:30 3 years of Euro NCAP child protection protocol—did the safety in cars improve for children?
Britta Schnottale, Bernd Lorenz, Bundesanstalt für Straßenwesen (BASt), Bergisch Gladbach, D

9:00 Latest developments in side impact testing for CRS
Heiko Johannsen, Volker Schindler, Sebastian Weber, Technische Universität Berlin, D

9:30 Activities of ADAC regarding child safety in cars
Andreas Ratzek, Christof Gauß, ADAC e.V., Landsberg, D

10:00 Performance of the Q3 and Q3s in biofidelity and car-to-car side impact crash tests
Suzanne Tylko, Transport Canada, Road Safety and Motor Vehicle Regulations, Ottawa, Ontario, CDN

10:30 Coffee break

11:00 Development and design of dummies for usability tests on Child Restraint Systems
N. Rangarajan, GESAC, Inc., USA; Steffan Kerbl, ÖAMTC, Vienna; Henry Görlitz, Stiftung Warentest e.V., Berlin

11:30 Frontal impact protection of children on booster cushions – an attitude, handling and safety approach
Katarina Bohman, Ola Boström, Autoliv AB Research, Vårgårda, S; Maria Eriksson, Anna Lisa Osvalder, Chalmers University of Technology

11:45 Child Restraint System optimisation using multifidelity modeling
Ronald Ruimerman, Lex van Rooij, Hans Cappon, TNO Science and Industry, Automotive, Helmond, NL

12:15 Development of Child Restraint Systems through an advanced CAE Driven Design Process
Derek Saville, Craig Billman, Matthew Morgenstern, Graco Children’s Products Inc., USA; Paul Sharp, Jamie Buchanan, Altair Engineering Ltd., Coventry

12:30 Lunch

**Section 5: Recent trends in CRS-development**

13:30 Child seat presence and orientation detection – ISOcare
Falk-Hagen Braemig, DaimlerChrysler AG, Sindelfingen, D

14:00 Isofix – connection between car and Child Restraint System
Michael Nüssel, RECARO GmbH & Co. KG, Marktleugast, D

14:15 MISUSE: How can the experience gained in the ad-hoc group be useful for the comprehension of real life crash consequences?
Manuela Cataldi, Fiat Auto S.p.A., Orbassano, I; Philippe Lesire, LAB PSA; François Alonzo, INRETS; Gonçal Tejera, IDIADA

14:30 Social demand in terms of child safety
Ralf Engel, Françoise Brun-Cassan, LAB Renault; Philippe Lesire, LAB PSA, Nanterre, F

14:45 Study about seat belts effectiveness for children transport by coach
Patrick Botto, Jérémy Sinnaev, Labarortoire of accidentology research CEESAR, Amiens, F

15:15 Outlook and farewell
Registration form

I hereby register for the 4th International Conference Protection of children in cars on December 7 – 8, 2006 in Munich*

Name

First Name

Company

Department

Street

Country/Zip Code/City

Phone

Fax

E-Mail

Invoice address if different from above:

Registration fee

€ 790,– plus VAT or € 916,40 incl. VAT

The registration fee includes conference documentation, lunch and drinks during breaks as well as the evening event on December 7, 2006.

Conference language

English

Conference venue

TÜV SÜD Akademie GmbH
Westendstrasse 199 · 80686 Munich · Germany

You will receive travel and hotel information with the confirmation of your registration.

Registration and information

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* € 790,– plus VAT or € 916,40 incl. VAT.
Cancellation policy: Cancellation of registration up to 14 days prior the event are free of charge. In case of cancellation beyond this deadline and up to the third working day prior the event, 50 % of the invoice amount are due for payment. In case of cancellation beyond this deadline or failure to participate in the event, the full amount of the invoice shall be due. I accept changes in the programme and the general terms and conditions of Participation of TÜV SÜD Akademie GmbH.

Date / Signature

Fax +49 89 5791–2833