Protection of children in cars

5th International Conference

December 6 – 7, 2007
Munich, Germany

Chairman
Prof. Dr. Klaus Langwieder
The conference

The Munich International Conference “Protection of children in cars” developed to one of the most important conferences in child safety. Experts from 21 countries participated in the 2006 conference. The 5th International Conference will take place on December 6 – 7, 2007 again in Munich, chaired by Professor Klaus Langwieder. Continuing the successful topics of the last conferences, the interdisciplinary forum of engineers, experts in biomechanics and pediatrists in children’s hospitals will be in the focus as well as the advances in child restraint systems and their interaction with the car.

Target audience

- Car manufacturers and supplier industry
- Child seat manufacturers
- Test centres of vehicle safety and R & D units
- Accident researchers
- Universities and expert organisations
- Experts in biomechanics and pediatrists
- Children’s Hospital physicians
- State authorities and associations
- Insurance companies
- Consumer organisations and media specialists

Programme committee

- ADAC e.V., Munich, Germany, Wilfried Klanner
- AUDI AG, Ingolstadt, Germany, Ulrich Widmann
- BMW Group, Munich, Germany, Peter Hutmann
- Bundesanstalt für Straßenwesen (BASt), Bergisch Gladbach, Germany, Bernd Lorenz
- Britax Childcare, Rueil Malmaison, France, Farid Bendjellal
- DEKRA Automobil GmbH, Germany, Volker Noeske
- Insurance Institute for Highway Safety, Ruckersville, USA, Christopher Sherwood
- Japan Automobile Research Institute, Koshiro Ono
- Monash University, Victoria, Australia, Brian Fildes
- RECARO GmbH & Co. KG, Marktleugast, Germany, Wolfgang Christ
- Stiftung Warentest, Berlin, Germany, Henry Görlitz
- University of Virginia, Charlottesville, USA, Jeff Crandall

- Prof. Dr. Klaus Langwieder (Chairman)

Exhibition

Interested companies will be given the opportunity to present their products in the exhibition which will be held parallel to the conference. Enquiries should be addressed to Ms Ute Alius.
Agenda on December 6, 2007

9:15 Welcome
Prof. Dr. Klaus Langwieder and TÜV SÜD

Key Notes
Staatsministerin Christa Stewens, Bayerisches Staatsministerium für Arbeit- und Sozialordnung, Familie und Frauen, Munich (DE)

International Requirements and Standards
Chair: Prof. Dr. Klaus Langwieder

9:45 Child restraint systems:
History, present and future safety challenges
Farid Bendjellal, Britax Childcare, Rueil Malmaison (FR)

10:10 How safe are children in cars on European roads?
Louise Walter, Jeremy Broughton, Brian Lawton, Transport Research Laboratory, Wokingham, Berkshire (GB); Stefan Höglinger, Kuratorium für Verkehrssicherheit (AT); George Yannis, Petros Evgenikos, National Technical University of Athens (GR); Niels Bos, SWOV Institute for Road Safety Research (NL)

10:40 Car Child Safety in China, status and future development
Chen Bifeng, Motor Vehicle Inspection Center, Crash test lab of Shanghai, CHN

11:10 Coffee break

11:30 Current research activities in Child Safety in the US
Mike Monk, NHTSA, National Highway Traffic Safety Administration, Office of Vehicle Safety Research, Washington DC (USA) (invited)

12:00 Euro NCAP Child Protection Protocol – State of art and proposals for improvement
Britta Schnottale, Bernd Lorenz, Bundesanstalt für Straßenwesen (BASt), Bergisch Gladbach (DE)

12:30 CRS international standards update
Peter Claeson, SIS, Swedish Standards Institute, Stockholm; Lotta Jakobsson, Volvo Car Corporation, Göteborg (SE)

13:00 Lunch

14:00 Discussion on child safety at the front passenger seat position: review of some real world data and tests results
Philippe Lesire, Laboratory of Accidentology, Biomechanics and human behaviour (LAB), Nanterre (FR); Véronique Hervé, CEEAR, Nanterre (FR); Gonzal Tejera, APPLUS IDIADA, Santa Oliva (ES); François Alonzo, INRETS, Bron (FR)

14:30 Requirements for increasing safety of children in traffic of the Accident Research of German insurers
Matthias Kühn, Thomas Hümmel; Unfallforschung der Versicherer, Gesamtverband der Deutschen Versicherungswirtschaft e.V. (GDV), Berlin (DE)

15:00 Poster Session with short presentations
Implementation and evaluation of automotive Child Restraint Systems in Transit Buses
Gerardo Olivares, Wichita State University, Pankaj Amesar, Britax Child Safety Inc. (USA)

A critical safety need for children ages 9-12 in the rear seat
Martha W. Bidez, Task Force for Child Survival and Development, Global Road Safety Forum, Birmingham (USA); Donald S. Burke, III, Kathryn M. Mergl, Bidez & Associates, Inc., Birmingham (USA); Dottie King, The King Consulting Group, Birmingham (USA); Steven Meyer, SAFE (USA)

A guideline to design vehicle restraint systems for improved protection of 3-year-olds
Marianne Johansson, SAFER Vehicle Safety Research Centre at Chalmers, Göteborg (SE); Bengt Pipkorn, Autoliv Development AB, Värgårda (SE)

15:30 Coffee break

16:00 Rear Facing Child Restraints – a summary of epidemiological, experimental and modeling research activities
Chris Sherwood, Insurance Institute for Highway Safety, Ruckersville, Virginia (USA); Jeff Crandall, University of Virginia, Center for Applied Biomechanics (USA)

16:30 Variation of acceleration by vehicle model year as experienced by the rear seated child occupants
Rajiv Menon, Yoganand Ghati, Mary Milone, The Children’s Hospital of Philadelphia (USA)

17:00 End of the first conference day

18:30 Evening event
Agenda on December 7, 2007

**Consumer Information**
Chair: Dr. Ulrich Widmann, AUDI AG

8:30  A field study of child passengers and drivers in vehicles  
Judith Charlton, Sjaanie Koppel, Melinda Congiu,  
David Taranto, Monash University Accident Research Centre, Melbourne (AUS);  
Stu Smith, Anthony Clark, GM Holden (AUS)

8:55  Rearward facing Child Restraints for toddlers – a consumer view  
Henry Görlitz, Stiftung Warentest Research Division, Berlin (DE)

9:20  Concepts towards reduced misuse rates  
Heiko Johannsen, Verein für Fahrzeugsicherheit Berlin e.V. and TU Berlin (DE)

9:45  Belt positioning booster seats with different belt configurations  
Bevan B. Kirley, Eric R. Teoh, Insurance Institute for Highway Safety, Arlington, VA; Kristy B. Arbogast, Michael J. Kallan, Dennis R. Durbin, Center for Injury Research and Prevention, PA (USA)

10:10  Coffee break

**Test Procedures and Dummies**
Chair: Dr. Wilfried Klanner, ADAC e.V.

10:40  Child dummy and injury criteria development by using scaling methods – frontiers and limitations  
Iztok Ciglaric, Herman Steffan, Graz University of Technology; Annelie-Martina Weinberg, Peter Spitzer, Universitätsklinik für Kinderchirurgie, Graz (AT)

11:05  Latest results of the ADAC CRS test  
Andreas Ratzek, Hubert Paulus, ADAC e.V., Technik Zentrum Landsberg (DE)

11:30  A UK perspective on the status of the Q-Series dummy and its potential for use in regulatory testing  
Costandinos Visvikis, Marianne Le Claire, Jolyon Carroll, Gee Cheung, David Hynd, TRL Limited, Wokingham, Berkshire (GB)

11:55  Q3s side impact dummy development  
Michael Carlson, Andy Barnes, Mark Burleigh, Linda Pan, Kees Waagmeester, Jerry Wang, First Technology Safety Systems, Plymouth MI (USA)

12:20  Protecting 3-year-old and 12-month old children in side impact collisions  
Suzanne Tylco, Transport Canada, Road Safety and Motor Vehicle Regulations, Ottawa, Ontario (CAN)

12:45  Lunch

**Recent Trends in CRS Development**
Chair: Peter Hutmann, BMW Group

13:45  How ISOFIX Child Restraint Systems and Belt Pretensioner enhance protection of 6-year-old child in frontal impact  
Stéphane Couturier, Véronique Denier, Renault SAS, Guyancourt (FR)

14:10  New conceptual design of a Group 1 Childseat to meet the increased requirements of the market  
Christian Liedl, HS Products Engineering GmbH, Alling (DE)

14:35  A misuse-taxonomy as a tool in children safety research  
Wolfgang Fastenmeier, Ulf Lehnig, mensch-verkehr-umwelt, Institut für Angewandte Psychologie, Munich (DE)

15:00  Self-adjusting, integrated Child Restraint System  
Pinar Boyraz, Memis Acar, Jonathan Bennett, Loughborough University, School of Mechanical and Manufacturing Engineering (GB)

15:25  Rear Seat Safety for children aged 4 and above – A new Integrated 2-Stage Booster Cushion  
Lotta Jakobsson, Henrik Wiberg, Irene Isaksson-Hellman, Jörgen Gustafsson, Volvo Car Corporation, Göteborg (SE)

15:50  Outlook and farewell  
Prof. Dr. Klaus Langwieder
Registration form

I hereby register for the 5th International Conference Protection of children in cars on December 6 – 7, 2007 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
(50% discount for members of Universities)
The registration fee includes conference documentation, lunch and drinks during breaks as well as the evening event on December 6, 2007.

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

TÜV SÜD Akademie GmbH
Conference Management
Ms Ute Alius
Westendstrasse 199
80686 Munich, Germany
Phone +49 89 5791 – 1647
Fax +49 89 5791 – 2833
ute.alius@tuev-sued.de

*€ 790,– plus 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