Protection of children in cars

6th International Conference
December 4 – 5, 2008
Munich, Germany

Chairman
Prof. Dr. Klaus Langwieder
The conference
The dynamic process of the safety of Car Restraint Systems is dealt in the 2008 conference. GRSP has started activities to develop a new regulation for CRS with the aim to replace UN ECE R44. The classification criteria of CRS should be reconsidered; the need for a side impact test has generated different approaches – the experience of different institutions and the practicability is matter of discussion. New methods of research in biomechanical tolerance limits of children show encouraging results. The response characteristics of new generations of child dummies and CRS safety assessment procedures are another focus.

This conference developed to a worldwide platform with interdisciplinary participation. In 2007 more than 150 experts of 24 countries attended the conference.

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 paediatricians
- Children’s hospital physicians
- State authorities and associations
- Insurance companies
- Consumer organisations and media specialists

Programme committee
- AUDI AG, Germany, Dr. Ulrich Widmann
- BMW Group, Germany, Peter Hutmann
- Bundesanstalt für Straßenwesen (BASt), Germany, Bernd Lorenz
- Britax Childcare, France, Farid Bendjellal
- DEKRA Automobil GmbH, Germany, Volker Noeske
- FIA Brussels, Dr. Wilfried Klanner
- Insurance Institute for Highway Safety, USA, Christopher Sherwood
- Japan Automobile Research Institute, Prof. Dr. Koshiro Ono
- Monash University, Australia, Prof. Dr. Brian Fildes
- National Traffic Safety and Environment Laboratory, Japan, Hideki Yonezawa
- RECARO GmbH & Co. KG, Germany, Wolfgang Christ
- Stiftung Warentest, Germany, Henry Görlitz
- Technische Universität Berlin, Germany, Dr. Heiko Johannsen
- University of Virginia, USA, Prof. Dr. Jeff Crandall
- Prof. Dr. Klaus Langwieder (Chairman)
  International Safety Consulting

Exhibition and poster presentations
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 Duroyon.

Poster presentations are organized during the breaks, e.g.
CRS - Database: A non-biased overview of child restraint systems
Peter Jahn, expert for child safety in vehicles, Vienna (AUT)

An assessment of school bus safety in Montevideo, URY
Martha Bidez et al., Bidez and Associates, Birmingham, AL (USA)
Agenda December 4, 2008

9:00     Welcome
Dr. Peter Klein, CFO, TÜV SÜD AG

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

Standards and Rulemaking
Chair: Prof. Dr. Klaus Langwieder

9:30     Establishing a new European regulation for CRSs in Europe
Pierre Castaing, Chairman of GRSP Informal Group on Child Restraints; Farid Bendjellal, CLEPA, member of GRSP informal Group in Child Restraints

10:00    The activities of EEVC WG18
Philippe Lesire, Laboratory of accidentology, biomechanics and human behaviour (LAB), Nanterre (FRA)

Francoise Brun-Cassan, Philippe Lesire, LAB PSA/Peugeot-Citroën RENAULT, Nanterre (FRA); Rémy Willinger, Strasbourg University (FRA); Heiko Johannsen, Technical University, Berlin (DEU); Gonçal Tejera, APPLUS IDIADA, Santa Oliva (ESP)

Test Results and Dummies
Chair: Dr. Ulrich Widmann, AUDI AG

11:10    The latest development of child safety regulation in China
Huang Anxin, Motor Vehicle Inspection Center, Crash test lab of Shanghai (CHN)

11:30    The current status of child safety in India
Gopalakrishna Gururaj, National Institute of Mental Health and Neuro Sciences, Bangalore (IND)

11:50    Abdominal injuries in children in Belt Positioning Booster Seats: a computational parametric study
Kristy B. Arbogast, Yoganand Ghati, Jessica Steps Jermakian, The Children’s Hospital of Philadelphia (USA)

12:40    Virtual child models – anthropometric methodology for their generation and validation
Stefanie Lochner, Institute for Legal Medicin, Ludwig-Maximilians-Universität München, Munich (DEU)

13:00    Lunch

14:10    Different biomechanical property patterns along mature and immature spine
Elizabeth Clarke, Lynne E. Bilston, Prince of Wales Medical Research Institute, University of New South Wales, Randwick (AUS)

14:35    Chest deflection of Hybrid III 3YO and Q3 dummy in impact shield CRS
Hideki Yonezawa, Naruyuki Hosokawa, Yoshinori Tanaka, National Traffic Safety and Environment Laboratory; Koji Mizuno, Nagoya University (JPN)

15:00    Development and improvement of Q3s and Q6s – the child side impact dummies
Z. Jerry Wang, Andy Barnes, Mark Burleigh, Chandler Yao, Kees Waagmeester, Eric Jacuzzi, Linda Pan, First Technology Safety Systems (NLD and UK)

15:25    Frontal absorbed energy systems applied to a CRS
David Gallegos, Catedra Applus+, Polytechnic University of Catalonia (ESP)

16:35    European public awareness campaign on the use of seat belts and child restraint systems – European project EUCHIRES in Poland
Justyna Wacowska-Slezak, Maria Dabrowska-Loranc, Motor Transport Institute, Warsaw (POL)

16:55    Results and problems of mandatory use of CRS in Hungary
János Déak, KTI Institute for Transport Sciences, Budapest (HUN)

17:15    Pioneer programme in CPS in the Arab world – Oman multimedia initiative and impact
Bernadette Bhacker, Al Mustadaama (Sustainability), Oman

17:35    End of the first conference day

18:30    Evening event
Agenda December 5, 2008

Consumer Information
Chair: Prof. Dr. Brian Fildes, Monash University

8:30 Practical experience and consumer recommendations for an improved regulation
Andreas Ratzek, ADAC e.V. Technik Zentrum, Landsberg (DEU); Ronald Vroman, ANEC - European Association for the Coordination of Consumer Representation, Brussels (BEL); Henry Görlitz, Stiftung Warentest e.V., Berlin (DEU)

9:05 CRS assessment programme in Japan
Hideki Yonezawa, National Traffic Safety and Environment Laboratory, Automotive Safety; Takahiro Ikari, Hiroshi Kawahara, National Agency for Automotive Safety and Victims’ Aid, Tokyo (JPN)

9:30 Old Child Restraint Systems (CRS), should they be used?
Shlomi Tal, Ariel Mayer, Standards Institution of Israel; Michal Klein, Beterem – Safe Kids; Michal Hemmo-Lotem, Beterem & School of Public Health, Haifa University (ISR)

9:55 Misuse of child restraints in NSW, Australia: The problem and its effect on child occupant injury rates
Lynne Bilston, Julie Brown, Prince of Wales Medical Research Institute, UNSW (AUS); Wei Du, Caroline Finch, Andrew Hayen, Julie Hatfield, Injury Risk Management Centre, UNSW (AUS)

10:10 Recent results and observations from the Australian Child Restraint Evaluation Program (CREP)
Julie Brown, Prince of Wales Medical Research Institute, UNSW (AUS); Basuki Suratno, Dan Leavy, Soames Job, Centre for Road Safety, NSW RTA (AUS)

10:25 Coffee break

Field Survey
Chair: Wolfgang Christ, RECARO GmbH & Co. KG

10:50 Misuse of Child Restraint Systems – a 2008 observation study in Germany
Thomas Hummel, Fritz Finkbeiner, Matthias Kühn, Unfallforschung der Versicherer (UDV), Berlin (DEU)

11:15 Investigating child restraint use and misuse
Sjaanie Koppel, Judith Charlton, Monash University Accident Research Centre (AUS)

11:40 Protection of new-borns: field survey
Véronique Hervé, Centre Européen d’Etudes de sécurité et d’Analyse des Risques (CEESAR); Philippe Lesire, LAB, Nanterre; Christophe Ledon, independant expert in accidentology (FRA)

12:05 Misuse in the combined use of airbags and rear-facing Child Restraint Systems
Gerd Müller, Heiko Johannsen, Verein für Fahrzeugsicherheit Berlin e.V. (VFSB); Wolfgang Fastenmeier, Herbert Gstalter, mensch, verkehr, umwelt, Institut für Angewandte Psychologie (mvu); Britta Schnottale, Bundesanstalt für Straßenwesen (BASt); Patrick Isermann, TAKATA-PETRI AG, Berlin (DEU)

12:30 Lunch

CRS Product Development
Chair: Volker Noeske, DEKRA Automobil GmbH

13:30 Misuse: Recent evaluations in Ireland and France – the need for a continuous and consistent parents’ education and development of technical solutions
Farid Bendjellal, Britax Childcare, Rueil Malmaison (FRA)

13:55 Status of ISO/TS 22239-1-3 (CPOD) and description of the compatibility test procedures of child seats and passenger seats with practical examples
Falk-Hagen Braemig, Daimler AG, Sindelfingen (DEU)

14:20 How did child safety develop during the last 10 years?
Heiko Johannsen, Gerd Müller, Volker Schindler, Technische Universität Berlin (DEU)

14:45 CRS – future needs and requirements
Britta Schnottale, Benrd Lorenz, Bundesanstalt für Straßenwesen (BASt), Bergisch Gladbach (DEU)

15:10 Outlook and farewell
Prof. Dr. Klaus Langwieder, International Safety Consulting (DE)
Registration Fax +49 89 5791–2833

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Registration fee € 790,– plus VAT or € 940,10 incl. VAT (50% discount for members of universities)
The registration fee includes conference documentation, lunch and drinks during breaks as well as the evening.

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
Merle Duroyon
Westendstrasse 199
80686 Munich, Germany
Phone +49 89 5791–2846
Fax +49 89 5791–2833
merle.duroyon-maran@tuev-sued.de

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Cancellation policy: Cancellation of registration up to 14 days prior to the event is 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 is 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