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International Conferences

# Protection of children in cars

8<sup>th</sup> International Conference  
December 2 – 3, 2010, Munich, Germany

Chairman  
Prof. Dr. Klaus Langwieder

TÜV SÜD Akademie GmbH

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## The conference

In the past years, this conference has been a worldwide platform for CRS research and development, for child accident research, biomechanics, as well as for consumer information and safety testing. The yearly participation of about 150 interdisciplinary experts from 25 countries made this conference one of the most important international meetings.

All important key subjects of child safety will be addressed. The advances of developing a new UN ECE regulation for CRS will be discussed as well as the alignment of European Vehicle Safety Directives with ECE regulations. The activities in defining a side impact test procedure are covered; reports will analyse the progress in child dummy development.

**In addition the conference will offer on Wednesday, December 1<sup>st</sup> a workshop “Child safety and cultural approach” where the safety behaviour in different countries and the status of child safety will be discussed, in order to promote the level of child protection and effective safety campaigns worldwide.**

Again – as in former years – all leading international research units, experts in accident research and biomechanics, paediatricians, representatives of rule making, consumer organisations and specialists in dummy and test development will participate and will form a worldwide platform of discussion for CRS research, product development and safety information for consumer.

## Programme committee

- AUDI AG, Ingolstadt, Germany,  
**Dr. Ulrich Widmann**
- BMW Group, Munich, Germany,  
**Peter Hutmann**
- Bundesanstalt für Straßenwesen (BASt), Germany,  
**Bernd Lorenz**
- Britax Childcare, Ulm, Germany,  
**Farid Bendjellal**
- DEKRA Automobil GmbH, Germany,  
**Volker Noeske**
- FIA Brussels,  
**Dr. Wilfried Klanner**
- Insurance Institute for Highway Safety, Ruckersville, USA,  
**Christopher Sherwood**
- Japan Automobile Research Institute,  
**Prof. Dr. Koshiro Ono**
- LAB PSA/Peugeot-Citroën RENAULT, France,  
**Philippe Lesire**
- Monash University Accident Research Centre (MUARC),  
**Prof. Dr. Brian Fildes**
- National Traffic Safety and Environment Laboratory, Tokyo, Japan, **Hideki Yonezawa**
- RECARO GmbH & Co. KG, Marktlegast, Germany,  
**Wolfgang Christ**
- Stiftung Warentest, Berlin, Germany,  
**Henry Görlitz**
- Technische Universität Berlin, Germany,  
**Dr. Heiko Johannsen**
- TÜV SÜD Automotive GmbH, Germany,  
**Dr. Lothar Wech**
- University of Virginia, Charlottesville, USA,  
**Prof. Dr. Jeff Crandall**
  
- Chairman  
**Prof. Dr. Klaus Langwieder**

## Agenda on Thursday, December 2, 2010

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- 9:45 Welcome  
Klaus Langwieder, International Safety Consulting (DEU)
- █ **Standards and Rulemaking**  
Chair: Klaus Langwieder, International Safety Consulting
- 10:00 Update on NEW ECE regulation  
Pierre Castaing, UTAC (FRA)
- 10:30 Update on lateral impact test procedure  
Heiko Johannsen, Technische Universität Berlin (DEU);  
Farid Bendjellal, Britax Childcare Group (DEU);  
François Renaudin, Dorel (FRA);  
Peter Claeson, Swedish Standards Institute (SWE)
- 10:50 NHTSA's research program in support of future advanced child dummies  
Matthew Craig, Stephen A. Ridella,  
National Highway Traffic Safety Administration (USA)
- 11:20 Coffee break
- 11:50 Summary of the cover workshop: CASPER activities  
Philippe Lesire, LAB PSA/Peugeot-Citroën RENAULT (FRA)
- █ **Field Observation and Biomechanics**  
Chair: Farid Bendjellal, Britax Childcare Group
- 12:05 Surveys on child restraint systems in Switzerland: methods and results  
Steffen Niemann, bfu - Swiss Council for Accident Prevention (CH)
- 12:35 Assessing head and neck injury in rear seated children aged 7-12 years in frontal crashes  
Julie Brown, Neuroscience Research Australia and University of New South Wales (AUS);  
Rick M Morgan, Paul Scullion, Lilly Nix, National Crash Analysis Center, George Washington University (USA)
- 13:00 Lunch
- 14:00 A comparison of children's sitting postures during drive and the HIII 6y seating position – in two different high back booster seats  
Katarina Bohman, Autoliv Research and Karolinska Institutet; Marianne Andersson, Saab Automobile and Chalmers University of Technology; Anna-Lisa Osvalder, Chalmers University of Technology (SWE)
- 14:30 Child safety and cultural approach – Workshop Results  
Philippe Lesire, LAB PSA/Peugeot-Citroën RENAULT (FRA)
- █ **CRS Product Development and Vehicle Integration**  
Chair: Volker Noeske, Dekra Automobile GmbH
- 14:45 Current and future activities to increase child safety – An OEM's point of view  
Sebastian Weber, AUDI AG (DEU)
- 15:15 Is it possible to optimise the rear seats for children (6 YO and above) and adults?  
Heiko Johannsen, Markus Schipper, Volker Schindler, Technische Universität Berlin (DEU)
- 15:45 Coffee break
- 16:15 Side impact cushion technology  
Farid Bendjellal, Britax Childcare Group, Richard Frank, Britax Römer Europe (DEU); Ron Marsilio, Britax Child Safety Inc. (USA); Godfrey Scicluna, Britax Childcare (AUS)
- 16:45 Analyzing misuse trends in child restraint systems: the idea of including a global indicator for ISOFIX and Toptether correct fixation  
David Gallegos, Francisco Liesa, Polytechnic University of Catalonia (ESP)
- 17:10 CRS for children with special needs: a need for better provision?  
Helena Menezes, Chair of the ANEC Traffic working group and Menezes Consulting and Training in Child Safety (PRT); Ronald Vroman, ANEC/Consumentenbond (NL)
- 17:30 End of first conference day
- 18:30 Evening Event

## Agenda on Friday, December 3, 2010

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### Test Results and Dummies (Part I)

Chair: Ulrich Widmann, AUDI AG

- 8:30 Fidelity evaluation of the child restraint system sled test  
Matthew R. Maltese, Caitlin M. Locey, Akira Toh, Kristy Arbogast, J. Felipe García-España, The Children's Hospital of Philadelphia (USA); Julien Tozzi, PMG Technologies; Suzanne Tylko, Transport Canada (CAN)
- 9:00 Behavior of occupant seated in ISOFIX CRS in various full-scale car side impact tests  
Hideki Yonezawa, Yoshinori Tanaka, Naruyuki Hosokawa, Yasuhiro Matsui, National Traffic Safety and Environment Laboratory; Koji Mizuno, Nagoya University; Ryoichi Yoshida, Takata Corp. (JPN)
- 9:30 Computational models of Q dummy family  
Ines Lehmann, Heiko Johannsen, Verein für Fahrzeugsicherheit Berlin e.V.; Robert Kant, Christian Kleesen, Humanetics Innovative Solutions (USA)
- 10:00 Comparison of Hybrid III 6yo and Q6 child dummies in high severity frontal impact tests  
Nils Lubbe, Toyota Motor Europe (BE)
- 10:30 Coffee break

### Test Results and Dummies (Part II)

Chair: Lothar Wech, TÜV SÜD Automotive GmbH

- 11:00 Kinematic and kinetic response of the Hybrid III 6 year old ATD compared to size-matched pediatric volunteers in low-speed frontal sled tests  
Kristy Arbogast, Thomas Seacrist, Sriram Balasubramanian, J. Felipe García-España, Matthew R. Maltese, Children's Hospital of Philadelphia (USA); Richard W. Kent, Francisco Lopez-Valdes, University of Virginia (USA); Hiromasa Tanji, Kazuo Higuchi, Takata Corporation (JPN)

- 11:30 Q10 Dummy validation status report  
Kees Waagmeester, First Technology Safety Systems, Europe, (on behalf of EPOCH consortium) (NLD); Mark Burleigh, FTSS (UK); Marianne Hynd, TRL (UK); Alejandro Longton, IDIADA (ESP); Erik Salters, DOREL (NLD); Barbara Girard, University of Surrey (UK)

- 12:00 Analysis of criteria for use with the Q series dummies in new regulation  
Marianne Hynd, Mark Pitcher, David Hynd, JA Carroll, TRL Ltd. (UK)

### Consumer Information and Safety Programs

Chair: Wolfgang Christ, RECARO GmbH & Co. KG

- 12:30 Update on the Status of the Euro NCAP Child Safety Working Group  
Bernd Lorenz, Britta Schnottale, Bundesanstalt für Straßenwesen, Bergisch Gladbach (DEU); Michiel van Ratingen, Euro NCAP
- 13:00 Lunch
- 14:00 Latin NCAP  
Alejandro Furas, Gonzalo Rodriguez Memorial Foundation - Latin NCAP Secretariat (URY)
- 14:25 China's new progresses of child safety in cars  
Cheng Chen, Shanghai Motor Vehicle Inspection Center (CHN)
- 14:50 The interface between child seat and car  
Toni Keller, Touring Club Schweiz (CH)
- 15:15 Three years experience of child safety education for multipliers  
Gerd Müller, Heiko Johannsen Verein für Fahrzeugsicherheit Berlin e.V. (DEU)
- 15:40 Outlook and farewell  
Prof. Dr. Klaus Langwieder

**Workshop on Wednesday, December 1, 2010, 14:00 – 18:00**

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### **Child safety and cultural approach**

Chairmen:

Philippe Lesire, LAB PSA / Peugeot-Citroën RENAULT

Brian Fildes, Monash University Prato Centre

This workshop, held the day before the conference, will gather people interested in a cultural understanding of the CRS use. Aspects of sociological approaches in child safety research will be discussed from different points of view and the results will be reported during the first conference day.

As it was for its 1st edition, this event will give the opportunity to exchange points of view and continue to gather reflections that were started last year. It will be illustrated with experience from different parts of the planet. This workshop is free of extra charge for the participants to the conference.

### **Kick-off presentations / regional overviews**

- The focus group methodology in CASPER project:  
the benefits of a qualitative method and the results  
Reakka Krishnakumar, Annie Langlois, Centre Européen  
d'Etudes de Sécurité et d'Analyse des Risques (CEESAR);  
Philippe Lesire, LAB PSA Peugeot-Citroën/RENAULT (FRA)
- Differences in reported behaviors of CRS use in the Israeli  
Arab population  
Nassim Assi, Sharon Levi, Michal Klein, Shlomi Tal, Beterem –  
Safe Kids, Israel; Khaled Abu-Asba, Amira Karaka-Ibrahim,  
Massar – Institute for Research, Planning and Social Consul-  
tation (ISR)
- Culture counts: reaching newcomers with lifesaving  
road safety info  
Natalie Zeitoun, Safety Drives Us, Ministry of Transportation  
(CAN)



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### **Participation 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 event .

### **Conference language**

English

### **Conference venue**

TÜV SÜD · Vortragssaal Chiemsee  
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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**Registration by Fax to +49 89 5791-2833 or by E-mail to congress@tuev-sued.de and on www.tuev-sued.de/tagungen**

## Protection of children in cars

8<sup>th</sup> International Conference, December 2 – 3, 2010, Munich

I will also attend the workshop on Dec 1<sup>st</sup> (no additional costs)

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Registration fee: € 790,- plus VAT or € 940,10 incl. VAT (50% discount for members of universities)  
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.

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