The Conference

The 2018 Conference offers a detailed view on international CRS markets, their relevant safety regulations / testing systems and results from accident studies, showing improvement but still challenges in the future. New mobility concepts and transport configurations up to future autonomous vehicles may influence the design, the use of child restraint systems and safety cultures in general.

Besides these special items, the standing topics of the conference from the past will be updated and recent developments worldwide will be reported in detail.

The 16th International Conference will act as worldwide forum for safety engineers, accident researchers, experts in biomechanics and pediatricians, representatives of rulemaking, consumer organizations and promoters of safety campaigns.

The Conference language will be English.

Workshop

On December 5, 2018 a workshop will bring people together who are interested in sociocultural aspects in road traffic. There will be a free discussion based on short impact presentations regarding the future transportation of children in new modes of mobility, including new ways of vehicle ownership, and how safety culture can be supported by press promotion and educational programs and the need of promoting safety culture in a general.

The access to the workshop is free for registered participants of the Conference.
Agenda on December 6, 2018

09:30 Welcome
TÜV SÜD AG,
Prof. Dr. Klaus Langwieder, International Safety Consulting (DE)

09:40 Problems and challenges of Child Restraint Systems in low and middle-income countries.
Jac Wismans, SAFETEQ (NL)

Consumer Information and Safety Programs
Chair: Klaus Langwieder, International Safety Consulting (DE)

10:10 Reducing child deaths on European roads
Heather Ward, Dovile Adminaitė, Graziella Jost, Henk Stipdonk, Theodora Calinescu, European Transport Safety Council ETSC (BE)

10:35 Comparison of ANCAP and Euro NCAP Child Occupant Protection Assessment
Céline Adalian, Applus IDIADA Group (FR); Farid Bendjellal, Britax Römer Kindersicherheit GmbH (DE)

11:00 Coffee break

Standards and Rulemaking
Chair: Ralf Ambos, DEKRA Automobile GmbH (DE)

11:30 ISOFIX at 20 years: The past, present and future
Constandinos Visvikis, CYBEX GmbH (DE)

11:55 Euro NCAP Child Occupant Protection – Results & Learnings on Car/CRS interactions
Farid Bendjellal, Britax Römer Kindersicherheit GmbH (DE)

12:20 Fatalities of children in cars in Germany 2017
Britta Schnottale, Bernd Lorenz, Federal Highway Research Institute BAS (DE)

12:45 Lunch

Field Studies (Part 1)
Chair: Kristy Arbogast, Children’s Hospital of Philadelphia (US)

14:00 Causes of fatal injury to child occupants: A ten year review of all child occupant fatalities in New South Wales, Australia
Julie Brown, Bianca Albanese, Lynne Bilston, NeuRA Injury Prevention Research Centre and University of New South Wales; Jane Elkington, NeuRA Injury Prevention Research Centre (AU)

14:25 Influence of the presence of children on accident causation
Michael Jänsch, Heiko Johannsen, Medizinische Hochschule Hannover (DE)

14:50 Findings on Child Restraint System use in Dubai
Inam Ahmad, Sjaan Koppel, Brian Fildes, David Logan, Monash University Accident Research Centre (AU)

15:15 Coffee break

Field Studies (Part 2)
Chair: Philipp Wernicke, BMW Group (DE)

16:10 Child Restraint Systems misuse risk with consequent modification of biomechanical evaluation
Kateřina Šulcová, Faculty of Transportation, Czech Technical University in Prague; Martina Vítů, ŠKODA Auto; Vit Bursík, TÜV SÜD Czech (CZ)

16:35 Hyundai Santa Fe Child Presence Detection System to protect kids from heat-related death in vehicles
Seungkyu Kang, Hyundai Motor Company (KR)

Field Studies (Part 3)
Chair: Philipp Wernicke, BMW Group (DE)

17:00 Sociocultural Aspects in Road Traffic
Workshop results presented by Philippe Lesire, LAB PSA Peugeot-Citroën Renault (FR) and Martin Paff, Editor-in-chief CHILDHOOD BUSINESS (DE)

17:30 End of first conference day

Evening Event

Agenda on December 7, 2018

Test Procedures and Dummies (Part 1)
Chair: Susanne Tylko, Transport Canada (CA)

09:00 Vehicle pitch in frontal crashes – implications for children in the rear rows
Matthew R. Maltese, Joshua Snitzer, Seth Fein, Children’s Hospital of Philadelphia, Center for Injury Research and Prevention (US)
09:25  A comparison of Q10 update and current Q10 dummies in frontal and side impact sled tests  
Katarina Bohman, Isabelle Stockman, Lotta Jakobsson, Maria Wimmerstedt, Volvo Cars; Dion Kruse Autoliv Research, Häkan Sundmark Autoliv Sverige (SE)

09:50  A new Q10 Dummy shoulder and neck design – evaluation of sled test results  
Hakan Ipek, Daimler AG (DE); ACEA TF NCAP Expert Group Child Safety

10:15 Coffee break

10:45  Q10 Update Kit – hardware design and evaluation using Human Body Model simulations  
Paul Lemmen, Antony Dudley, Juan Gonzalez, Cellbond ATD (UK); Britta Schnottale, Julian Ott, Federal Highway Research Institute BASt (DE)

11:00 Not in-crash infant comfort and safety  
Damien Subit, François Renaudin, Dorel France (FR)

11:25 Lunch

11:30 Comfort of children in cars: Feasibility of Discomfort Avoidance Behaviour (DAB) as a measure of comfort in a naturalistic setting  
Bianca Albanese, NeuRA Injury Prevention Research Centre and University of New South Wales (AU); Katarina Bohman, Volvo Cars (SE); Lynne Bilston, NeuRA Injury Prevention Research Centre and University of New South Wales; Sjaan Koppel, Judith Charlton, Monash University; Julie Brown, NeuRA Injury Prevention Research Centre and University of New South Wales (AU)

11:55  Comfort analysis of a Child Restraint System using human body model  
Andreas Weinert, Amit Ahirrao, Richard Frank, Britax Römer Kindersicherheit GmbH (DE); Daniele Speziani, Irene Rabino, Phitec Ingegneria (IT)

12:00  Belt slip issues in booster seats – which geometrical properties enable good belt adjustment for children  
Heiko Johannsen, CSC Car Safety Consulting UG (DE)

12:25  Resumé, outlook and farewell  
Philippe Lesire, LAB PSA Peugeot-Citroën Renault (FR); Klaus Langwieder, International Safety Consulting (DE)

12:30 End of the conference

Workshop on December 5, 2018

Sociocultural Aspects in Road Traffic  
Chair: Philippe Lesire, LAB PSA Peugeot-Citroën Renault (FR); Jana Olivier, BMW Group (DE)

14:00  Keynote  
Road Safety in the mirror of social change: recent evolutions in mobility offers, their social representation and impact on driving behavior  
Ralf Engel, Director General of DATAR (FR)

14:30  SESSION 1  
Safety Culture regarding Child passengers  
Studying a Shift in Child Passenger Safety Culture  
Sharon Levi, Fabi Shalit Reitman, Boaz Segal, Ayelet Givaty, Shlomi Tal, Beterem – Safe Kids Israel

15:15 Coffee break

15:30  SESSION 2:  
Influence of Future Autonomous Cars on Child Safety  
Considering child passenger safety when designing, developing and marketing autonomous vehicles  
Lorrie Walker, Safe Kids Worldwide (USA)

16:15 Coffee break

16:45  SESSION 3  
Need for Press Promotion to Support Safety Culture and Educational Programs of Child Safety in Road Traffic  
Open discussion with Martin Paff, Editor-in-chief CHILDHOOD BUSINESS
Registration

www.tuev-sued.de/protection-of-children-in-cars
congress@tuev-sued.de

Conference Fee
860,00 € plus VAT (50 % discount for members of universities)
The registration fee includes conference documentation, lunch and beverages during breaks as well as the evening event.

Conference Venue
TÜV SÜD · Auditorium Chiemsee
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
International Conferences
Viktoria Wieland
Westendstraße 160
80339 Munich, Germany
Phone +49 89 5791-2410
Fax +49 89 5155-2468
Email: congress@tuev-sued.de

Program Committee

ADAC e.V. (DE)
Dr. Reinhard Kolke

AUDI AG (DE)
Stephan Schwald

BMW Group (DE)
Jana Olivier

Bundesanstalt für Straßenwesen (DE)
Bernd Lorenz

Britax Childcare (DE)
Farid Bendjellal

Children’s Hospital of Philadelphia (US)
Kristy Arbogast, PhD

Daimler AG (DE)
Joachim Fausel

DEKRA Automobil GmbH (DE)
Ralf Ambos

Insurance Institute for Highway Safety (IIHS) (US)
Jessica Jermakian

Japan Automobile Research Institute (JP)
Prof. Dr. Koshiro Ono

Joyson Safety Systems Germany GmbH (DE)
Dr. Reiner Nett

Medizinische Hochschule Hannover (DE)
Dr. Heiko Johannsen

Monash University (AU)
Dr. Sjaan Koppel

National Traffic Safety and Environment Laboratory (JP)
Yoshinori Tanaka

Technische Hochschule Ingolstadt (DE)
Prof. Dr. Lothar Wech

Transport Canada (CA)
Suzanne Tylko

TÜV SÜD Czech s.r.o.
Jiří Socha, Ph.D.

Chairmen

Prof. Dr. Klaus Langwieder
International Safety Consulting (DE)

Philippe Lesire
LAB PSA Peugeot-Citroën Renault (FR)