Whiplash 2010

Neck Pain in Car Crashes

3rd International Conference
November 18 – 20, 2010, Munich, Germany
The Conference

“Whiplash” is still one of the leading injuries in car crashes as recent results of accident research show. Two years of progress in biomechanical research and in technical innovations for avoidance of these injuries will be reported at the conference. The effect of upgraded Whiplash ratings and safety tests will be reflected and new trends are analyzed. The international research part of the conference on November 18/19 is extended by national reports from Germany, Austria and Switzerland on November 20 showing their situation and experiences in these countries.

This new concept of the conference should promote and intensify the interdisciplinary dialogue between biomechanical researchers, physicians, technical experts, lawyers, claim settlement assessors and legal / governmental representations. The conference 2010 will be a forum for car manufacturers, suppliers for safety rating, testing organizations, research organizations and experts in the practical field to discuss the progress achieved and the future needs.

Program structure and conference languages

1st day
Conference language English

Part 1
separately bookable

Session 1: Accident research and biomechanical analysis, dummy development

2nd day
Conference languages German and English (simultaneous translation)

Part 2
separately bookable

Session 2: Seat/head restraint design, advanced systems, test methodology

Session 3: Medical aspects, new diagnostic methods

Session 4: Biomechanics and juridical knowledge for forensic experts

Session 5: Influencing criteria

Session 6: Case management; legal aspects in Switzerland, Austria, Germany

3rd day
Conference language German

Target audience

- Car manufacturers and supplier industry
- Physicians and specialists in medical treatment
- Experts in biomechanics and research institutes
- Organizations of accident research
- Hospitals and rehabilitation centers
- Universities and expert organizations in vehicle safety
- Test centers of vehicle safety and R&D units
- Insurance companies, lawyers
- Specialists in consumer information and media

This year’s conference especially addresses to technical experts and assessors by offering a conference part focused on what forensic experts need to know about biomechanical, legal and insurance aspects of whiplash injuries (Part 2).

Program committee

- Matthew Avery, The Motor Insurance Repair Research Centre (UK)
- Prof. Dr. Hans Bäumler, Forensic Road Accident Investigation, University of Applied Sciences München (DE)
- Dr. Wolfram Hell, Institute for Legal Medicine, LMU (DE)
- Dr. Wilfried Klanner, FIA Brussels (BE)
- Dr. Anders Kullgren, Folksam Insurance Group (SE)
- Bernd Lorenz, Bundesanstalt für Straßenwesen (DE)
- Dr. Uwe Moorahrend, Trauma Surgery (DE)
- Prof. Dr. Koshiro Ono, Japan Automobile Research Institute (JP)
- Dr. Peter Schaff, TÜV SÜD (DE)
- Prof. Dr. Rodolfo Schöneburg, Daimler AG (DE)
- Prof. Dr. Hermann Steffan, Graz University of Technology (AT)
- Prof. Dr. Felix Walz, AGU Zürich (CH)
- Dr. Marc White, Canadian Institute for the Relief of Pain and Disability (CA)
- David Zuby, Insurance Institute for Highway Safety (USA)

Chairmen

- Prof. Dr. Klaus Langwieder, International Safety Consulting (DE)
- Prof. Dr. Matthias Graw, Institute for Legal Medicine, LMU (DE)
**Program on November 18, 2010**

**Conference language** English

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**Part 1**

12:45 Welcome and opening  
Klaus Langwieder, International Safety Consulting (DE)

Chair: Klaus Langwieder, International Safety Consulting (DE)

13:00 Plenary lecture: Euro NCAP whiplash ratings: experiences, lessons and trends  
Michiel van Ratingen, Secretary General of Euro NCAP (BE)

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**Session 1: Accident Research and Biomechanical Analysis, Dummy Development**

13:30 Significance of cervical spine disorders in traffic accidents from viewpoint of investigation on scene GIDAS  
Dietmar Otte, Verkehrsunfallforschung der Medizinischen Hochschule Hannover; Carl Haasper, Unfallchirurgische Klinik Medizinische Hochschule Hannover (DE)

14:00 Crash Recorder: acceleration data of real world accidents  
Bettina Sinzig, AXA Winterthur (CH)

14:30 Break

Chair: Rodolfo Schöneburg, Daimler AG (DE)

15:00 Seat design characteristics for whiplash mitigation as indicated by tests with BioRID  
David Zuby, David Aylor, Insurance Institute for Highway Safety; Gerald Locke, Lear Corporation (USA)

15:30 Reduction of minor neck injuries during rear-end impacts: evaluation methods, selection of neck injury parameters and its criteria  
Koshiro Ono, Susumu Ejima, Kunio Yamazaki, Fusako Sato, Japan Automobile Research Institute; Jonas Aditya Pramudita, Sadayuki Ujihashi, Tokyo Institute of Technology; Koji Kaneoka, Waseda University (JP)

16:00 Real-world performance of various whiplash seat designs  
Anders Kullgren, Folksam Research and Dept of Public Health Sciences, Karolinska Institutet; Maria Krafft, Folksam Research and Dept of Surgery, Umeå University; Ola Boström, Autoliv Research (SE)

16:30 Break

Chair: Matthew Avery, Thatcham (UK)

17:00 Crash Dummies and injury criteria for whiplash injury assessment  
Jac Wismans, SAFETEQ (NL)

17:30 EvaRID a dummy model representing females in rear end impacts  
Fred Chang, Hong Zhou, Fuchun Zhu, Paul Lemmen, First Technology Safety Systems (NL / USA); Anna Carlsson, Mats Svensson, Johan Davidsson, VTI, Swedish National Road and Transport Research Institute and Chalmers University of Technology; Astrid Linder, VTI (SE)

18:00 Assessment of the neck rotation during simulated slow speed rear impact using Hybrid III crash test dummy as per Global Technical Regulation 7 (GTR7)  
Vinayak S Gogate, Tata Technologies India Pvt Ltd.; Ajay P Chavare, G Lokeshwari, Tata Motors Ltd. (IN)

18:30 Cervical spine distortion injuries: challenges for accident research  
Wolfram Hell, Institut für Rechtsmedizin, Ludwig-Maximilians-Universität München (DE)

18:45 End of the first conference day, evening event
Part 1 Program on November 19, 2010 Conference languages: English and German with simultaneous translation

Session 2: Seat and Head Restraint Design, Advanced and Next Generation Systems, Test Methodology
Chair: David Zuby, Insurance Institute for Highway Safety (USA)

8:30 Backrest development in terms of customer and rating requirements
Thomas Schöttker, Michael Fehring, Markus Hartlieb, Daimler AG (DE)

9:00 The influence of crash characteristics on injury risk
Matthew Avery, Alix Weekes, Thatcham (UK)

9:30 Combining existing whiplash seat concepts to improve injury reduction for all occupants - sled test
Ola Boström, Autoliv Research; Anders Kullgren, Folksam Research and Dept of Public Health Sciences, Karolinska Institutet; Maria Krafft, Folksam Research and Dept of Surgery, Umeå University (SE)

10:00 Break

10:30 Whiplash prevention – head rebound velocity: parametric study for passive seat approach and Faurecia CEDAW solution to target a “good” performance
Frédéric Fays, Faurecia Automotive Seating (FR)

11:00 WitKit a new approach to whiplash injury risk management
Hermann Steffan, TU-Graz and DSD - Dr. Steffan Datentechnik, Andreas Moser, DSD - Dr. Steffan Datentechnik (AT)
Mathew Avery, Andrew Miller, Thatcham (UK)

11:30 Whiplash protection from a consumers testhouse perspective now and in the future
Volker Sandner, ADAC Technik Zentrum (DE)

12:00 Lunch Break

Session 3: New diagnostic methods in medicine
Chair: Felix Walz, AGU (CH)

13:00 Development of a new virtual reality test to evaluate the cervical kinaesthesia
Christoph Dehner, Universitätsklinik Ulm, Abteilung Unfallchirurgie (DE)

13:30 Do we advance to explain whiplash in using new diagnostic methods?
Bruno Soltermann, Chefarzt Schweizerischer Versicherungsverband (CH)

14:00 Whiplash prevention initiative: changing societal, organizational policy, driver awareness and behaviour (Canada)
Marc White, Canadian Institute for the Relief of Pain and Disability (CA)

14:15 New standards: the objectives of the association for medical and technical trauma biomechanics
Uwe Moorahrend, Trauma surgery (DE)

14:30 Break
Session 4: Biomechanics and Juridical Knowledge for Forensic Experts
Chair: Wilfried Klanner, FIA

15:00 Wünsche an technische und medizinische Sachverständige, Probleme bei der Beurteilung
Felix Walz, AGU (CH); Wolfram Hell, Institut für Rechtsmedizin, Ludwig-Maximilians-Universität München (DE)

15:45 Problematik der Δv-Ermittlung; EURO NCAP Test als Grundlage der EES-Ermittlung
Hans Bäumler, Büro für Unfallanalytik, Hochschule München (DE)

16:45 Break

Session 5: Influencing criteria
Chair: Hans Bäumler, Büro für Unfallanalytik, Hochschule München

9:00 Aktuelle europäische Forschungsstudien und Ergebnisse
Wolfram Hell, Institut für Rechtsmedizin, Ludwig-Maximilians-Universität München (DE)

9:15 Autoskooter-Unfälle, Freiwilligenversuche
Stefan Horion, Institut für Rechtsmedizin, Ludwig-Maximilians-Universität München (DE), (inquired)

Session 6: Case management; legal aspects in Switzerland, Austria, Germany
Chair: Matthias Graw, Institut für Rechtsmedizin der LMU

9:45 Kausalität und Invalidität bei Whiplash in der Schweiz
Ulrich Meyer, Bundesrichter, Bundesgericht Luzern (CH)

10:20 Break

10:50 Schadenersatz oder Bereicherung? Die Bedeutung des HWS-Traumas für die österreichische Versicherungswirtschaft
Wolfgang Reisinger, Wiener Städtische Versicherung AG (AT)

11:30 Die deutsche Rechtsprechung zur HWS-Problematik
Oskar Riedmeyr, Kanzlei Dr. Eick & Partner, München (DE)

12:10 Final discussion: case management; legal aspects in Switzerland, Austria, Germany

12:45 End of the conference
Participation fee

Complete Conference: € 950,– plus VAT
Program Part 1 (Sessions 1, 2, 3): € 790,– plus VAT
Program Part 2 (Sessions 4, 5, 6): € 290,– 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 November 18, 2010. You can register for the complete conference or book the assigned program parts separately.

Conference venue

Hotel Holiday Inn Munich - City Center
Hochstraße 3 · 81669 Munich, Germany

Registration and information

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Whiplash 2010
3rd International Conference, November 18 – 20, 2010, Munich

I attend to:  □ Program Part 1    □ Program Part 2

Name

First Name

Title

Company

Department

Street

Country / Zip Code / City

Phone

E-mail

Yes, I hereby agree to receive further information □ via E-mail □ via Phone

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Invoice address (if different from above)

Registration fee: € 790,— plus VAT for program part 1, € 290,— plus VAT for program part 2 or € 950,— plus VAT for the complete conference (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.

Date / Signature