

ISN/EARPA Workshop on Biomechanics Input to Integrated Safety

8th September 2009 / York, UK

With the convergence of active and passive safety, new potential for the protection of all road users is opening up in the field of integrated safety: The mitigation of accident consequences can be further improved by using information from the pre-crash phase in order to intervene in the closed loop driver/vehicle and tune the protection strategy according to the perceived situation before the crash actually happens. The question which should be answered in this workshop is how biomechanical knowledge can contribute to the development of this research area. The workshop, which is jointly organised by the Integrated Safety Network (ISN)¹ and the European Automotive Research Partners Association (EARPA)², shall provide a forum for exchange and discussion as well as for the presentation of biomechanics and its role for integrated safety features. Open participation is strongly encouraged to facilitate information exchange.

Programme

- 13.00 Welcoming and introduction to the programme
- 13.10 DREAM: Connecting Real-World Pre-Crash Factors to Vehicle Safety Technology Development
H. Fagerlind / Chalmers Univ. of Technology
- 13.30 Analysis of Car Driver Behaviour in Pre-Crash Situations on a Driving Simulator
M. Hétier, X. Wang, J.-P. Verriest / INRETS
- 13.50 Introduction in ADAS Systems
J. Wismans / SAFETEQ
- 14.10 The Need of Pre-Crash Triggered Airbags for Young and Elderly
O. Boström / Autoliv Research
- 14.30 Test and Simulation Tools for Integrated Safety
P. Lemmen / FTSS Europe
- 14.50 Active Human Models
C. Rodarius / TNO
- 15.10 Deceleration Sled Testing for the Development of Integrated Safety Measures for Motorcyclists
I. Symeonidis, G. Kavadarli, F. Fraga, L. van Rooij, E. Schuller, S. Peldschus / LMU Munich, TNO
- 15.30 Wrap-up discussion and conclusions
- 16.00 Closing

Venue: Park Inn York, North Street, York, North Yorkshire, YO1 6JF, United Kingdom

Registration: see registration form on the IRCOBI website www.ircobi.org

Contact person: P. Urban, phone: +49 241 80 27015, e-mail: urban@fka.de

Participation is free of charge.

Further information on location and hotels on the IRCOBI website www.ircobi.org

¹ ISN is an association created in March 2008 to continue on a self sustained basis the activities of the network of excellence APSN (info@integratedsafetynetwork.org)

² EARPA is the association of automotive R&D organisations bringing together the most prominent independent R&D providers in the automotive sector throughout Europe (www.earpa.org)