

Workshop on Traffic Environment, Primary and Secondary Safety of Powered Two-wheeled Vehicles

Johannes Kepler University, Altenberger Straße 69, 4040 Linz (Austria)

Uni-Center, 2nd Floor, Room G

Final Agenda

10th March 2016

- 09:00 - 09:10 Welcome. Luigi Del Re (Johannes Kepler Universitat, AT)
- 09:10 - 09:35 Investigating the potential of a V2X based intersection support using the Motorcycle-Car Multi-Driver Simulation. Sebastian Will (WIVW Institute for Traffic Sciences, DE)
- 09:35 - 10:10 A comparison of the existing standards to assess the protection provided by roadside barriers in racing and normal driving. Mario Maza (Universidad de Zaragoza, ES)
- 10:10 - 10:30 **Coffe break**
- 10:30 - 10:55 Advancing the Darmstadt Method for abrasive testing. Raphael Pleß
Kamil Klonecki (Technica University Darmstadt, DE)
- 10:55 - 11:20 Influence of protective equipment on injury severity and injury type at moped accidents –
Introduction of the project PROTECT ME. Corina Klug (Technica University Graz, A)
- 11:20 - 11:45 A new helmet design for improved protection against subclinical brain injuries. Mazdak Ghajari
(Imperial College of London, UK)
- 11:45 - 12:10 Next step towards advanced helmet test methods. Remy Willinger (University of Strasbourg, FR)
- 12:10 - 12:45 Critical review of existing helmet standards. Oscar Juste (Universidad de Zaragoza, ES)
- 12:45 - 13:45 **Lunch break**
- 13:45 - 14:30 **Visit to JKU labs and facilities**
- 14:30 - 15:05 Road safety measures addressing primary and secondary safety of MC-riders: An overview of status
and effects. Truls Vaa (Institute of Transport Economics, NO)
- 15:05 - 15:30 Research at TRL: Motorcyclist Safety Solutions & Standards. Phil Martin (Transport Research
Laboratory, UK)
- 15:30 - 15:55 Brain injury criteria expressed in terms of axons strains. Remy Willinger (University of Strasbourg,
FR)
- 15:55 - 16:55 **General discussion(all)**

11th March 2016

- 09:00 - 09:35 Overview on semi-active and active technologies for PTW stability control Sergio M. Savaresi
(Politecnico di Milano, IT)
- 09:35 - 10:00 Overview of Warning Systems which enhance PTW safety. Roberto Lot (University of
Southampton, UK)
- 10:00 - 10:25 Virtual Testing of Active Safety System. Jinwei Zhou, Philipp Polteraer (Johannes Kepler
Universitat, AT)
- 10:25 - 10:55 **Coffe break**
- 10:55 - 11:20 Autonomous emergency braking for motorcycles: potential benefits and current challenges. Marco
Pierini (University of Firenze, IT)
- 11:20 - 11:45 Computational modelling of brain injury biomechanics and neuroimaging predict the site of brain
damage seen in chronic traumatic encephalopathy. Mazdak Ghajari (Imperial College London, UK)
- 11:45 - 12:10 How virtual models help assessing injuries for PTW scenarios? Luděk Hynčik (University of West
Bohemia, CZ)
- 12:10 - 12:40 **Conclusive remarks (all)**