

2013 European Workshop

AFB20 (2) Roadside Safety Design

International Research Activities Subcommittee

8:45 AM – 6:15 PM Thursday, April 11, 2013

Co-Chairmen: Rod Troutbeck and Michael Dreznes

CEN-CENELEC Management Centre

Avenue Marnix 17

B-1000 Brussels

Room: Newton A+B

AGENDA

8:30 – 8:45 **Registration**

8:45 – 9:00 **Opening Remarks, Self Introductions and Membership Status**

Michael Dreznes – International Road Federation

Christophe Nicodème – European Union Road Federation

Welcome Presentation

9:00 – 9:30 *CE marking conditions for the road safety barriers placed as products on the EU market*

George Kastarakis (European Commission – DG Enterprise)

Focus Topic Presentations

9:30 – 11:00 **SESSION I: EN 1317 Framework – CE Mark and EU Rules for Road Restraint Systems**
Chairman: Marco Anghileri

1. *Revision of the hEN1317-5 – Modifications of the EU Harmonized Standard – Procedural Improvements*

Franz Muller (Road Safety Consultant) and Luca Felappi (Arcelor Mittal), ITALY

2. *Revision of the hEN1317-5 – Modifications of the EU Harmonized Standard – Technical Improvements*

Luca Felappi (Arcelor Mittal) and Franz Muller (Road Safety Consultant), ITALY

3. *Soil and EN 1317: Origin, Development and Proposal*

Matteo Pezzucchi (Norwegian Public Road Authority), NORWAY

4. *Effects of Materials Tolerances on the Design of Road Safety Barriers*

Claudia Cofano (GDTECH), BELGIUM

5. *Use of Computational Mechanics Methods Within EN1317*

Clément Goubel (LIER), FRANCE

11:00 – 11:15 **BREAK**

11:15 – 13:15 **SESSION II: Innovation for Road side Safety**

Chairman: Angel Martinez

6. ***SAVERS (Selection of Appropriate Vehicle Restraint Systems) Project***
Francesca La Torre (University of Florence) , ITALY
7. ***Roadsense, Prevention of Involuntary Lane Departure by Road Audio-Tactile Alert***
Jeanne Foret (Aximum) , FRANCE
8. ***Historical Review and Current Situation for Road Restraint Systems in Spain***
Sergio Corredor (SIMEPROVI), SPAIN
9. ***In-situ Concrete and Precast Technology Go Together for the Next Generation of Concrete Barriers***
Thomas Edl (DELTA BLOC), AUSTRIA
10. ***Roadside Safety Evaluation Software for Portugal***
Carlos Roque (National Laboratory of Civil Engineering), PORTUGAL
11. ***Technical Innovation for Safer and Sustainable Steel Safety Barriers – Present and Future,***
Christina Rodriguez (GRUPO CONDESA), SPAIN

13:15 – 14:00 LUNCH

14:00 – 14:30 **SESSION II: Innovation for Road side Safety (continued)**

Chairman: Angel Martinez

12. ***Optimizing Crash Cushion Selection based on Performance, Physical Constraints and Reusability***
Luigi Grassia (University of Naples), ITALY
13. ***Installation of Steel Guardrails on Bridges - Belgian Developments***
Joseph Marra (GDTECH) and Kris Redant (BRRC), BELGIUM

14:30 – 16:30

SESSION III: Workzone Safety / Experience with Crashworthy Terminals & Transitions

Chairman: Franz Muller

14. ***Portable Steel Barriers & Gates***
Tobias Schneider (SGGT), GERMANY
15. ***Temporary Portable Rumble Strips in Work Zones***
Tim Cox (Plastic Safety Systems), USA
16. ***Assessing Safety of Traffic Passing Through a Work Zone - A Stochastic Micro-Simulation***
Zaier Zaidi (National Highway Authority Pakistan), PAKISTAN
17. ***Work Zone Safety by using the Low Angle (T) Containment Levels of EN 1317***
Jan Droege (Volkman & Rossbach), GERMANY
18. ***Safety for Work Zones: An approach towards European Harmonisation***
John Kreps (Avery Dennison), BELGIUM
19. ***Evaluation of 12m Long Turned Down End Terminal Using Full Scale Crash Testing and Finite Element Simulation***
Ali Osman Atahan (Mustafa Kemal University), TURKEY
20. ***Evolution of Steel to Concrete Transitions from 1974 to EN 1317-7***
Heike Becker (Einfeldt & Partner GbR), GERMANY
21. ***The co-effect of car velocity and mass on road design***
Adrian Cotrus (Netivei), ISRAEL

16:30 – 16:45 BREAK

16:45 – 18:00 SESSION IV: Forgiving Roadsides according to the EN 12767 / Motorcycle Safety
Chairman: Ali Osman Atahan

22. *“Forgiving” Roadsides by Using Passive Safe Road Infrastructure According to EN12767*

Carolien Willems (Safety Product), BELGIUM

23. *Guidelines for the Approval and Installation of Forgiving Roadside Poles in Israel*

Victoria Gitelman (Ran Naor Road Safety Research Centre), ISRAEL

24. *Warrants and Standards for Motorcycle Protection at Crash Barriers in Israel*

Victoria Gitelman (Ran Naor Road Safety Research Centre) ISRAEL

25. *Trees in Non-Urban Areas and European Road Safety*

Myrko Bellmann (Volkman & Rossbach), GERMANY

6:00 pm FINAL COMMENTS AND ADJOURNMENT