



NTUA Road Safety Update - August 2013



13th World Conference on Transport Research - Rio de Janeiro 2013



The 13th World Conference on Transport Research, organised by the World Conference on Transport Research Society and by the COPPE - Federal University of Rio de Janeiro, took place in Rio de Janeiro in Brazil, between 15-18 July 2013. More than 1.200 participants from more than 60 countries presented and discussed the **most recent trends in transport research** in more than 900 oral presentations and in more than 100 poster presentations. Traffic safety analysis and policy was a major topic area (C4) of the Conference with more than 50 presentations. NTUA road safety presentations concerned:

- Review of distracted driving factors
- Characteristics of road accidents with young people in Europe
- Parameters affecting road fatalities outside urban areas in Europe
- Seasonal distributions of road fatalities in Europe
- Motivations, travel habits, attitudes and behaviour of European Pedestrians
- Evolution in motorcycle crashes and current crash characteristics in the OECD countries
- Contributory factors of powered two wheelers crashes
- Misreporting injury severity in European road accidents
- Impact of meteorological factors on the number of injury accidents
- Powered Two Wheelers Safety Measures: Recommendations and Priorities

Is road safety management linked to road safety performance? 2013



A paper titled 'Is road safety management linked to road safety performance?' co-authored by Eleonora Papadimitriou and George Yannis is now published in the Journal of Accident Analysis and Prevention. Quasi-Poisson models and Beta regression models are developed for linking road safety management indicators (estimated on the basis of Categorical Principal Component Analysis) and other indicators (i.e. background characteristics, etc.) with road safety performance (mortality and fatality rates, SPIs, composite indicators, etc.).

The results of the analyses suggest that **road safety management can be described on the basis of three composite indicators: "vision and strategy", "budget, evaluation and reporting", and "measurement of road user attitudes and behaviours"**. More-over, no direct statistical relationship could be established between road safety management indicators and final outcomes. However, a statistical relationship was found between road safety management and SPIs, which were in turn found to affect 'final' outcomes, confirming the SUNflower approach on the consecutive effect of each layer. [DOI](#)

WHO Strengthening Road Safety Legislation Manual 2013



The good practice manual, titled '**Strengthening road safety legislation: a practice and resource manual for countries**' is now published by World Health Organisation. Comprehensive road safety legislation - which incorporates evidence-based measures and strict and appropriate penalties, backed by consistent, sustained enforcement and public education - has been proven to reduce road traffic injuries and fatalities. This manual describes methods and provides resources that practitioners and decision-makers can use for enacting new laws or amending existing ones as part of a comprehensive road safety strategy, it recommends a stepwise approach to assessing and improving legislation relating to five specific risk factors for road-traffic injuries, as well as post-crash care. [LINK](#)

PIARC Comparison of national road safety plans 2012



A report on road safety policies published by the World Road Association (PIARC) is now available. This report examines the **road safety performance of several nations**, reviews reported policies and strategies in jurisdictions and attempts to establish linkages between adopted and implemented road safety policies, overarching multi-year strategies and performance outcomes. The findings are built upon survey returns from 16 countries and 8 selected state/provincial jurisdictions which set out the road safety visions, strategies, policies and practices they have adopted to underpin their road safety performance. [LINK](#)

European Commission Road Safety Vademecum 2013



The Road Safety Unit of DG MOVE of the European Commission issued the **Road Safety Vademecum**, in order to provide an overview of the latest road safety data and the main road safety developments in the European Union. It is based on data from the EU road accident database (CARE), presenting the first provisional figures reported for 2012, where available, complemented with the final detailed data for 2011. [LINK](#)

Road Safety and Simulation Conference 2013



The Road Safety and Simulation 2013 (RSS 2013) Conference is organised by the University of Roma Tre and it will take place in **Rome on 22-25 October 2013**. A special emphasis is put on driving simulation and how this tool can improve roadway design and the study of emerging technologies that take into consideration human factors as well and their effects on safety. Specifically, the Conference's focus and target is to:

- facilitate discussion on the latest methods and techniques in road safety analysis and management
- increase understanding of causality of crashes through the deployment of driver simulators, naturalistic driving, non-intrusive sensing technologies, and crash reporting
- help identify new directions in safety modeling and management. [LINK](#)

IRTAD Better Safety Data Conference 2013



The International Transport Forum (ITF) and the Iberoamerican Road Safety Observatory (OISEVI) organise a conference on Better safety data for better road safety outcomes. The conference will take place in **Buenos Aires on 13-14 November 2013**. This Conference is the first joint event between the International Traffic Safety Data and Analysis Group (IRTAD) and the Iberoamerican Road Safety Observatory (OISEVI) and it will focus on data improvement and quality as the best ally in the development of road safety strategies, as well as data analysis in IRTAD, OISEVI and other countries. [LINK](#)

6th International Congress on Transport Research in Greece 2013



The 6th International Congress on Transport Research, organised by the Hellenic Institute of Transport and the Hellenic Institute of Transportation Engineers will take place in **Thessaloniki, Greece on 17-18 October, 2013**. The main objectives of the conference are to present recent research results in the field of transport and to examine the current developments and to exchange knowledge and experiences on the transport research at national and international level. [LINK](#)

This Road Safety Update aims to support frequently the Greek and the International Road Safety Community with current key road safety knowledge and data, which is gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the National Technical University of Athens.

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About NRSO



The mission of the NTUA Road Safety Observatory (www.nrso.ntua.gr) is to support the Greek and the International Road Safety Community with current key road safety knowledge and data, which is gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the School of Civil Engineering of the National Technical University of Athens, as well as within co-operations with various national and international road safety organisations.

The NTUA Road Safety Observatory has been developed within the framework of two European Union co-funded research projects, namely SAFETYNET - Development of the European Road Safety Observatory (2004-2009) and DACOTA - Road Safety Data Collection, Transfer and Analysis (2010-2012), with Scientific Responsible for NTUA, Professor George Yannis.