



NTUA Road Safety Update - November 2014

National Technical University of Athens
Road Safety Update
November 2014

Together for Safer Roads - Private Sector Global Coalition 2014

Ten leading global companies have come together to create Together for Safer Roads (TSR) – an **innovative cross-sector coalition** focusing on improving road safety and reducing deaths and injuries by road traffic collisions. The vision of Together for Safer Roads is a world where roads are safe for all people. Members will use their combined knowledge, data, technology and networks to promote safer roads, vehicles and systems; safer road users; and advocacy and thought leadership. TSR members will also focus on scaling industry best practices that draw on cross-industry expertise. An Expert Panel, drawn from Academia, NGOs, Governments and International Organizations, with the active participation of NTUA Professor George Yannis, will advise the coalition on its focus areas and activities. [LINK](#) [VIDEO](#)

PIARC - Importance of Road Maintenance 2014

A new report on the **Importance of Road Maintenance** is now available by the World Road Association (PIARC). The importance of maintenance needs to be recognised by decision makers, funded appropriately and well managed to ensure maximum value is achieved. Inadequate levels of investment or poor management of the road network will have serious consequences for economies and social well-being. This report makes the case for the importance of road maintenance by drawing on robust evidence from around the world. [LINK](#)

European Commission - Event Data Recorders Report 2014

The European Commission has recently released a Report on Event Data Recorders (EDR), prepared by the Transport Research Laboratory. The objective of this study was to assist the European Commission in deciding whether the fitting of EDR in all vehicles or certain categories of vehicles **could result in an improvement of road safety** or have other possible consequences that would justify the costs associated with the adoption of EU legislative measures. The study aimed to quantify the costs and benefits for heavy goods vehicles, light goods vehicles, buses and coaches, and passenger cars (for private and commercial use). According to this study, the benefits of EDRs are consistently documented in terms of road safety, vehicle design, accidentology and accident reconstruction and legal accident proceedings. [LINK](#)

Road safety forecasts in five European countries using structural time-series models -2014

A paper titled 'Road safety forecasts in five European countries using structural time-series models', co-authored by Constantinos Antoniou, Eleonora Papadimitriou and George Yannis is now published in Traffic Injury Prevention. The objective of this research is to **apply structural time series models for obtaining reliable medium- to long-term forecasts of road traffic fatality risk using data from 5 countries with different characteristics from all over Europe** (Cyprus, Greece, Hungary, Norway, and Switzerland). Two structural time series models are considered: (1) the local linear trend model and the (2) latent risk time series model. Furthermore, a structured decision tree for the selection of the applicable model for each situation (developed within the Road Safety Data, Collection, Transfer and Analysis [DaCoTA] research project, co-funded by the European Commission) is outlined. The modeling process included the model selection, the introduction of intervention variables and the development of mobility scenarios. The forecasts using the developed models appear to be realistic and within acceptable confidence intervals. The proposed methodology is proved to be very efficient for handling different cases of data availability and quality, providing an appropriate alternative from the family of structural time series models in each country. [DOI](#)

Greece presents an impressive 4-year drop of 40% in road fatalities in 2013

According to the ELSTAT provisional data for 2013, **road fatalities in Greece have decreased by 40% since 2009**, whereas serious injuries decreased by 22%. The rate fatalities per number of vehicles has decreased the same period by 42%. The recent deep economic crisis is a major factor which might explain this significant decrease in road fatalities in Greece. [LINK](#)

ERF RoadSide Safety Design Seminar - Brussels 2014

The AFB 20 (2) Roadside Safety Design Seminar was organised by the European Union Road Federation (ERF) in cooperation with the International Road Federation and the Transportation Research Board and took place with great success on 5 November 2014 in Brussels. The conference was attended by more than 100 road safety experts and stakeholders from around the globe to gather and exchange information concerning the latest trends and developments in the area of **passive safety and road infrastructure safety design**. All presentations are now available. [LINK](#)
NTUA presentation concerned: 'Effectiveness of Roadside Safety Measures' [LINK](#)

ROSEE - Road Safety International Conference - Brescia 2014

The International Conference **'Infrastructures and Behaviours to Enhance Road Safety'** organised by ALOT - the Agency of East Lombardy for Transport and Logistics, took place with great success in Brescia on 21 November 2014. This event was organized in order to present the final results of the ROSEE project, carried out within the South East Europe transnational cooperation programme (SEE). In this Conference, the current situation of road safety potential in South East Europe was presented by international specialists followed by all the project results, with emphasis on road safety infrastructural and behavioural issues, including the relative pilot actions and investment proposals which emerged from the ROSEE project. [LINK](#)
NTUA presentation concerned: 'Proposals for Road Infrastructure Safety Investments and Interventions in South East Europe' [LINK](#)

Make Roads Safe Hellas - Infrastructures Workshop - Athens 2014

An **Infrastructures Road Safety Workshop**, organised by Make Roads Safe Hellas took place in **Athens on 20 November 2014**. The aim of the workshop was to bring together international and national road safety experts, stakeholders and decision-makers and give them the opportunity to share their knowledge and discuss ways to continue improving infrastructures' road safety. Make Roads Safe Hellas, as the Lead Partner of the SENSOR project had the opportunity to present the results of a comprehensive study regarding the assessment of the TEN-T network safety for first time in Greece, according to the international EuroRAP protocols. [LINK](#)
NTUA presentation concerned: 'Road Safety in South-East Europe' [LINK](#)

PRI/TIRF - Communication Technologies and Road Safety Symposium - Abu Dhabi 2014

The International Symposium on Communication Technologies and Road Safety was organised by the Emirates Traffic Safety Society (ETSS), the Arab Road Safety Organization (AROSO), La Prévention Routière Internationale (PRI) and the Traffic Injury Research Foundation (TIRF) and took place in Abu Dhabi, on 26-27 November 2014. The symposium objective among others was to highlight the **solutions offered by modern technology to ensure positive impact on the behaviour of drivers** while driving. [LINK](#)
NTUA presentation concerned: 'Distracted driving and mobile phone use: overview of impacts and countermeasures' [LINK](#)

NAN - 34th Annual Conference - Puerto Rico 2014

The 34th Annual Conference of the US National Academy of Neuropsychology took place in Puerto Rico, on 12-15 November 2014. This year's NAN conference theme was **New Horizons in Neuropsychology Research and Practice**. [LINK](#)
NTUA presentations concerned:
[Neurocognitive correlates of driving behaviour](#)
[Differential simulator driving patterns among community-dwelling healthy and mildly neurologically impaired adults during driver distraction conditions](#)

IRTAD - Celebrating 25 years of road safety data - 2014

The International Transport Forum celebrated the 25th anniversary of IRTAD. For **25 years, IRTAD has worked to improve traffic safety data** and support evidence based decision making to enable more effective road safety strategies and save lives. Founded with 12 member countries as a database, IRTAD also soon brought together road safety experts and statisticians from research institutes, national administrations, international organisations, universities, automobile associations and car manufacturers. Today, IRTAD has 70 members from 35 countries. [LINK](#)

WHO - World Day of Remembrance 2014

The World Day of Remembrance for Road Traffic Victims (WDR) is commemorated on the third Sunday of November each year to remember the many millions killed and injured on the world's roads, together with their families and many others also affected, as well as **reflect on the tremendous burden and cost of this daily continuing disaster**. The Day of Remembrance for Road Traffic Victims was first established in 1995 on the initiative of the European Federation of Road Traffic Victims. Since 2005 the World Day of Remembrance is endorsed by the United Nations and recognised and honoured on all continents. [LINK](#)
In the last years, several special events are organised all over Greece by road safety NGOs (RSI-Mylonas, Efthita-Rhodes, SOS Road Crimes) in order to commemorate the World Day of Remembrance. On the occasion of the 2014 WDR, Deputy Minister of Infrastructure, Transportation and Networks, Michalis Papadopoulos highlighted that it is high priority for the Government, the design and implementation of a set of measures for wide sensibilisation of citizens in changing driving behaviour and realizing that road safety is a high personal responsibility issue for all. [LINK](#)

Safe Roads Safe Kids Summit 2014

The Safe Roads | Safe Kids Global Road Safety Summit will take place in Washington D.C., on 11-12 December 2014. This high level Summit will focus on **strong action steps to end the epidemic of traffic deaths and injuries that threatens children** worldwide. It will bring together International Agencies, Governments, Foundations, NGOs, the private sector and families. The starting point of the discussions is the fact that every day, more than 500 children are killed in a road traffic collision, and tens of thousands are injured, often suffering lifelong disabilities. Unless concrete action is taken now, the global toll of traffic injuries will explode, placing millions of children at risk. The Safe Kids Campaign and the Child Declaration for Road Safety are key global campaigns of road safety for kids. [LINK](#)

FEMA - 4th European Motorcyclists' Forum - Brussels 2015

The 4th European Motorcyclists Forum, organised by the Federation of European Motorcyclists' Associations (FEMA), hosted by the European Parliament members Inés Ayala-Sender (S&D), and Wim van de Camp (EPP), Transport Committee Vice-Chairman Dominique Riquet (ALDE) will take place in Brussels, on 2-3 February 2015. This year's Forum will focus on the question **'How to tackle motorcycle safety challenges for the next decade?'**
The full-day workshop on Monday 2nd of February will present and discuss the outcomes of the EU co-financed project RIDERSCAN- A European Scanning Tour for Motorcycle Safety, including the state of the art of motorcycle safety knowledge, access to powered two wheelers, the traffic and road environment, and how to convey safety messages to riding community, in order to set up a result-based PTW safety strategy. Subsequently, the Debate-Session in the Parliament will take place in the morning of Tuesday 3rd of February and further expand on motorcycling safety in the context of the mid-term evaluation of Commission road safety policy orientations 2011-2020. [LINK](#)

UCL - International Conference on Transport and Health - London 2014

The 1st International Conference on Transport and Health organised by the University College London (UCL) and the Transportation Public Health Link (TPH Link) will take place in **London on 6-8 July 2015**. This innovative event will combine presentations of submitted work with cross-disciplinary workshops lead by teams of transport and public health professionals on several topics, including Global Road Safety & Injury Prevention. Abstract submission closes on 19 January 2015. [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.nrsso.ntua.gr) is to support the Greek and the International Road Safety Community with current key road safety knowledge and data, which are 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.