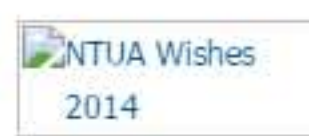




NTUA Road Safety Update - December 2013 - Best Wishes for 2014



NTUA best wishes for a safe and prosperous 2014



We heartily wish you very joyful Christmas holidays and a prosperous new year 2014, plenty of personal and professional achievements. Let's dream, let's hope and let's work systematically for a **more bright 2014**, getting closer to the road fatalities zero

vision in Europe.

The European Road Safety Observatory Wins the Prince Michael International Road Safety Award 2013



The European Road Safety Observatory (ERSO) of the European Commission as developed by the EC co-funded research projects SafetyNet and Dacota has been awarded the prestigious Prince Michael International Road Safety Award 2013 as recognition for its **contribution to making widely available for the first time in Europe a wealth of road safety data and knowledge** to support evidence based decision making. Since its opening in 2006, ERSO has attracted millions of visitors seeking the most recent and appropriate data and knowledge covering a wide range of road safety contemporary issues. [LINK](#)

NTUA participated actively at all phases of the development of the European Road Safety Observatory.

Detecting Powered-Two-Wheeler Incidents from High Resolution Naturalistic Data 2013



A paper titled 'Detecting Powered-Two-Wheeler Incidents from High Resolution Naturalistic Data' co-authored by E.Vlahogianni, G.Yannis and J.Gollas is now published in Transportation Research Part F: Traffic Psychology and Behaviour. During risky conditions, Powered-Two-Wheeler (PTW) drivers often alter their behavior from a regular driving pattern to an irregular chain of driving actions by braking, changing the throttle pressure, maneuvering and so on, or combinations of the above. However, both the actual and perceived thresholds of regular and irregular driving behavior differ among PTW drivers. A simple and flexible methodology is proposed in order to define PTW driving profiles by distinguishing between regular and irregular PTW driving behaviors using high resolution naturalistic data. "Irregularities" in driving behavior are consistently expressed as outlying values in the dataset of driving parameters. The detected irregularities are those that diverge from the centroid of the jointly considered driving parameters. These irregularities may be considered to define critical driving situations (incidents) that are further associated to typical driving events. Results indicate that the joint consideration of **variables which are directly connected to the mechanical characteristics of PTW, such as front and rear brake activation, wheel speed, throttle and steering, are adequate to distinguish the regular from irregular PTW driving behavior.** [DOI](#)

EU transport in figures 2013



The Directorate General for Mobility and Transport (DG Move) of the European Commission released the Statistical Pocketbook 2013 'EU Transport in figures'. In this Statistical Pocketbook, key road safety Tables are contained, together with several other Tables on transport statistics, providing a **complete picture of current trends in transport in Europe**. Data on road fatalities for the EU member states and associate countries allow for time series comparisons and country rankings. [LINK](#)

New edition of Road Safety Charter 2013



The European Road Safety Charter is a **participatory road safety platform** of businesses, associations, research institutions and public authorities. Signatories perform actions and share good practice in order to solve road safety problems that they encounter in their everyday environments and cut road deaths. The new Charter should maintain civil society's commitment and ensure pan-European coverage, while addressing vulnerable road users such as children and young people. The new edition aims to simplify the commitment process and operates based on a membership concept under the slogan 'Together we are road safety'. [LINK](#)

ERF - Road Markings save lives and money 2013



The European Union Road Federation (ERF) has launched a Position Paper that makes the case for a more widespread use of road markings on Europe's roads as a means of increasing road safety and reducing the socio-economic impact of accidents. **Road markings are one of the most cost-effective safety solutions** that are available to policymakers and road owners. They provide drivers with much needed guidance on the road, allow for better preview time and can significantly help avert the risks of run-off accidents and head-collisions. This paper is calling on Member States to establish intervention and maintenance policies to guarantee that road markings on Europe's road remain visible for first and foremost for road users and at same time, optimise the interaction between the road infrastructure and the intelligent car. [LINK](#)

Hellenic Ministry of Transport - Electronic books for traffic and safety education 2013



The Hellenic Ministry of Infrastructure, Transport and Networks, as a part of the effort to reduce road accidents in Greece, emerges as a top priority the **Road Safety Education Development**. Particular emphasis is given on informing and educating children about road safety and traffic behaviour and prepare them to become responsible future drivers. For this reason, a series of electronic traffic education books for students of Primary and Secondary Schools, prepared by CERTH/HIT and with the contribution of NTUA, are now available online. [LINK](#)

HITE Education and Road Safety, Athens 2013



A Workshop on Education and Road Safety was organised by the Hellenic Institute of Transportation Engineers in Athens on 27 November 2013. Several aspects and **initiatives of road safety education** were highlighted with the the active participation of road safety decision makers, experts and practitioners from Greece. [LINK](#) All the workshop presentations are now available. [LINK](#)

NTUA Research Associate Dr. Sophia Vardaki presented the education at the national road safety strategic plan. [LINK](#)

Road Safety Month in Crete 2013



The **Road Safety Month in Crete** with message "I'm careful and I get winner on the road" took place in Crete from 8 to 18 November 2013 and was organised by the four Chambers of Crete together with the Region of Crete, the Municipalities of Herakleion, Chania, Rethimno and Agios Nikolaos, and the participation of the Hellenic Transport Chambers Association and the Road Safety Institute Panos Mylonas. These events were aiming to increase road safety awareness of local communities, given that road accident causes are known and can be prevented. Several activities took place with a large participation of the Crete communities.

NTUA contributed with specialised presentations from the ROSEE project on key road safety issues in the four Workshops organised in Herakleion, Agios Nikolaos, Rethimno and Chania. More specifically, NTUA presentation concerned:

- Road safety of vulnerable road users
- Road safety enforcement

Speed Management

IOAS - Road Safety Info-Centre in Athens 2013



The Road Safety Institute (R.S.I.) "Panos Mylonas" created a pleasant area in the city center of Athens (Stoa Bibloulou, 5 Pasmazoglou Str.), in order to **better inform citizens on road safety issues**. The Road Safety Information Center (R.S.I.C.) was established thanks to the support of Philekpaideutiki Etaireia (Society for the Promotion of Education and Learning) and the Safer Roads Foundation, while the referral Centers for Road Safety (NEST's) have been developed through the EU funded

AVENUE project. [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 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.