



NTUA Road Safety Update - October 2011



Road Safety Update

October 2011

European Transport Safety Lecture in Athens 2011



The European Transport Safety Council together with the Road Safety Institute Panos Mylonas are organising the 13th European Transport Safety Lecture, on "**Distra**cted Driving", which will take place in Athens, in November 7th, 2011. The lecture will be delivered by Associate Professor George Yannis, NTUA, with a response by Prof. Oliver Carsten of the Institute for Transport Studies at the University of Leeds. Driver distraction is an important factor driving up the risk of road collisions worldwide. Researchers claim that some source of driver distraction is reported in up to 30% of road accidents. [LINK](#)

3rd Conference on Road Safety and Simulation 2011

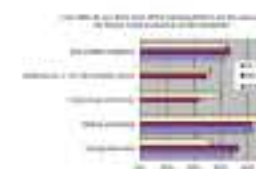


The 3rd International Conference on Road Safety and Simulation took place in Indianapolis, in September 2011, organised by the Transportation Research Board and the Center for Road Safety Center of Purdue University. NTUA Associate Professor

M.Karlaftis was member of the Organising Committee. NTUA presentations concerned:

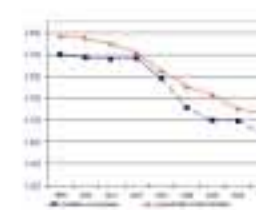
- An investigation of older driver road safety perceptions and driving performance on freeways
- Is it risky to talk, eat or smoke while driving? Findings from a driving simulator experiment
- Identifying riding profiles parameters from high resolution naturalistic riding data
- Detecting secondary accidents in freeways
- Young drivers and alcohol impaired driving: a driving simulator experiment
- Model for sight distance calculation and three-dimensional alignment evaluation in divided and undivided highways

Changes of Greek drivers' attitude towards road safety



According to the first results of the SARTRE 4 Pan-European drivers' attitude survey processed by NTUA, Greek drivers demonstrate an **increase of perceived risk** associated with drug use or mobile phone use between 2004 - 2011. The perceived risk associated with bad weather and driver fatigue has also increased between 1996 - 2011. Greek drivers self-reported speeding behaviour increased in 2011, despite the decrease between 1996 - 2004.

Road Safety on Motorways - EU Facts & Figures 2010



Road Safety on Motorways in the EU is highlighted at the Traffic Safety Basic Facts 2010 recently released at the European Road Safety Observatory of the European Commission as prepared by the DACOTA project. 1.654 persons were killed in road traffic accidents on motorways in 16 EU countries in 2008, representing **7% of the total road traffic fatalities**. The fatality rate (fatalities per million inhabitants) on motorways decreased by almost 42% between 1999 and 2008, from 8,3 per million inhabitants in 1999 to 4,8 in 2008. [LINK](#)

Parameters affecting seat belt use in Greece



A research titled 'Parameters affecting seat belt use in Greece' co-authored by G.Yannis, A.Laiou, S.Vardaki, A.Dragomanovits, E.Papadimitriou and G.Kanellaidis from NTUA, was published in the International Journal of Injury Control and Safety Promotion in March 2011. A national field survey was conducted for the analytical recording of seat belt use.

A binary logistic regression model was developed, and the impact of each parameter on seat belt use in Greece was quantified. Parameters included in the model concern characteristics of car occupants (gender, age and position in the car), the type of the car and the type of the road network. The variable with the highest impact on not wearing the seat belt is being a **passenger on the back seats**. [DOI](#)

Correlation of road accidents and weather conditions



A Diploma Thesis titled 'Correlation of road accidents and weather conditions' was presented by Dimitris Bilonis in July 2011. The purpose of this diploma thesis is to investigate the correlation between accident counts and basic meteorological conditions, such as rainfall and temperature. For this reason, analytical daily data were used for the number of accidents, fatalities and injuries, as well as for the temperature and the precipitation. The results show that the drop of temperature causes a decrease in the number of accidents, while an **increase in precipitation causes a decrease in the number of accidents and fatalities** as well.

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.

If you do not wish to receive this Road Safety Update click here to [unsubscribe](#)

AcyMailing - Joomla!β.A Newsletter System

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.