



## NTUA Road Safety Update - February 2012



National Technical University of Athens  
Road Safety Update

February 2012

### Driven to Distraction Conference, Toronto 2012



The International Conference on Distracted Driving organised by the Canadian Automobile Association (CAA) and the Traffic Injury Research Foundation (TIRF), took place in Toronto, Canada on March 1st, 2012. This Conference highlighted current research initiatives from around the world regarding a broad range of distractions, explored lessons learned from legislation and enforcement, and shared experiences drawn from private, public and community approaches to increase awareness and change behaviours. NTUA Associate Professor George Yannis presented "The Effects of Different Types of Driver Distractions: Findings from the EU" [LINK](#)

### 3rd Pan-hellenic Highways Engineering Conference 2012



The 3rd pan-hellenic Highways Engineering Conference, organised by the Technical Chamber of Greece, took place on 9-10 February 2012 in Athens. [LINK](#)

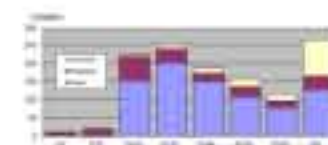
NTUA road safety presentations concerned:

- Safety in Road Design
- Development of a Strategic Plan for the improvement of road safety in Greece, 2011-2020
- Application of the Interactive Highway Safety Design Model (IHSDM) in Greece
- Comparative analysis of road safety parameters on European motorways
- Parameters Affecting Greek Drivers Willingness to Pay for the Avoidance of

#### Road Accidents

- Recording and Evaluation Procedure of Drivers' Distraction. The Case of Thessaloniki's Ring Road
- Contribution to the investigation of behavior of drivers under fatigue, with the use of innovative technologies
- Road Safety Audit: principles and implementation in Greece. The case of Attica Tollway ("Attiki Odos")
- Development of a methodology for road safety impact assessment of infrastructure projects in Greece
- Analysis of the safety impact of advertising signs on the number of road accidents

### Road fatalities by age, gender, road user type, Greece 2010



According to ELSTAT data, 1,258 persons were killed in Greece: 838 drivers, 241 passengers and 179 pedestrians. Male drivers account for almost 70% of all road fatalities in Greece. Young male drivers account for almost 45% of male driver fatalities and older people account for more than 50% of pedestrian fatalities. The higher accident severity was found in accidents involving older persons (8,0 fatalities per 100 accidents) and younger persons (4,5 fatalities per 100 accidents).

### EU transport in figures 2011



Directorate General for Mobility and Transport (DG Move) of the European Commission released the Statistical Pocketbook 2011 '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 allowed for time series comparisons and country rankings. [LINK](#)

### Factors Affecting Accident Severity Inside and Outside Urban Areas in Greece 2012



A paper titled "Factors Affecting Accident Severity Inside and Outside Urban Areas in Greece" co-authored by A.Theofilatos, D.Graham and G.Yannis is just published in the Journal of Traffic Injury Prevention. From the application of the models, it appears that the factors affecting road accident severity only inside urban areas are young drivers, bicycles, intersections and collision with fixed objects, whereas the factors affecting severity only outside urban areas are weather conditions, head-on and side collisions, demonstrating the particular road users and traffic situations which should be focused for road safety interventions for the two different types of network (inside and outside urban areas). [DOI>](#)

### Development of macroscopic models for the severity of road accidents with one or more vehicles 2011



A Diploma Thesis titled 'Development of macroscopic models for the severity of road accidents with one or more vehicles' was presented by Smaragda Kritikou in March 2011. The application of the four of log-rate models revealed the impact of various factors on the accident severity (type of region, intersection, weather and lighting condition, vehicle type, age and collision type). Single-vehicle accidents were found 2.4 times more serious than accidents with two or more vehicles and the severity of accidents for the pedestrians was found 1.2 times higher than that for the drivers and 1.4 than that for the passengers.

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](#)

#### About NRSO



The mission of the NTUA Road Safety Observatory ([www.nrso.ntua.gr](http://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.