



## NTUA Road Safety Update - December 2011 - Best Wishes for 2012



National Technical University of Athens  
Road Safety Update

December 2011

### NTUA best wishes for a beautiful and safe 2012



We heartily wish you joyful Christmas holidays and a beautiful **new year 2012**, plenty of personal and professional achievements. May 2012 bring light to our economies as well as more efforts for more lives saved on the roads. 🎄

### European Transport Safety Lecture in Athens 2011



The European Transport Safety Council together with the Road Safety Institute Panos Mylonas organised the 13th European Transport Safety Lecture on "**Distracted Driving**", which took 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](#)

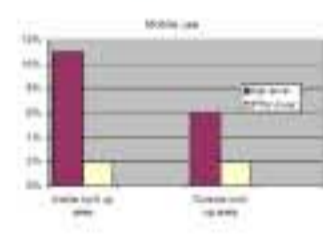
### User Forum on Power Two Wheeler Safety Research in Paris 2011



The User Forum on **Power Two Wheeler Safety Research** took place in Paris on December 14th, 2011. It was organised by the EC co-funded research project 2BESAFE (2-Wheeler Behaviour and Safety), which designed and implemented a broad-ranging research programme (including naturalistic riding experiments) that produced fundamental knowledge on PTW rider behaviour and on interaction

between PTW riders and other road users. The produced knowledge was used to propose relevant countermeasures to mitigate PTW accidents' related fatalities and injuries. NTUA presented 'Powered Two Wheeler critical risk factors: Behaviour - Infrastructure - Weather'. [LINK](#)

### Mobile phone use rate, Greece 2009



According to an observational study carried out by NTUA under the coordination of Prof. George Kanellaidis, **9% of passenger car drivers use mobile phone** during driving, whereas 2% of Power Two Wheelers use mobile phone while driving. Mobile phone use rate is increased inside built-up areas and for young drivers (16 - 24), especially for young female passenger car drivers (16%) and young female PTW riders

(12%). 📱

### Estimation of fatality and injury risk by means of in-depth fatal accident investigation data 2010



A research titled 'Estimation of fatality and injury risk by means of in-depth fatal accident investigation data', co-authored by G.Yannis, E.Papadimitriou, E.Dupont and H.Martensen was published in the Journal Traffic Injury Prevention in September 2010. A fatal accident investigation (FAI) database is used, which includes intermediate-level in-depth data for a harmonized representative sample of 1300 fatal accidents in 7 European countries. The results of this research show that the baseline fatality risk of road users involved in fatal accidents decreases with **accident size** and increases with the vulnerability of the road user. On the contrary, accident size increases non-fatal injury risk of road users involved in fatal accidents. [DOI>](#)

### The impact of mobile phone use and music on the driver behaviour and safety by the use of a driving simulator 2011



A Diploma Thesis titled 'The impact of mobile phone use and music on the driver behaviour and safety by the use of a driving simulator' 📱 was presented by Elena Papathanasiou and Evridiki Postantzi in March 2011. The analysis of the experiment results revealed that the lower speed and the increase of the distance from the middle of the road of the drivers who have a difficult conversation at the mobile phone while

driving, cannot compensate for the much greater risk of an accident, in case of an unexpected event, due to **increased reaction time**.

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 organized 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](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.