



## NTUA Road Safety Update - November 2009



National Technical University of Athens  
**ROAD SAFETY UPDATE**

November 2009

### 1. 4th Pan-Hellenic Road Safety Conference 2009

The 4th Pan-Hellenic Road Safety Conference was organised by the Hellenic Institute of Transportation Engineers and the National Technical University of Athens. NTUA presented 'Characteristics of lorry and bus accidents in Greece', 'Application of the SUNflower methodology for the assessment of two-wheeler safety in Greece', 'Correlations of road accident and meteorological conditions time-series', 'Seat belt and helmet use in Greece',



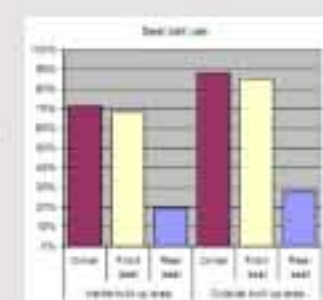
### 2. 4th IRTAD Conference 2009

The 4th IRTAD Conference took place in Seoul and brought together more than 100 road safety experts from around the world to discuss the use of safety data set targets and monitor road safety performance and to encourage knowledge transfer for data collection and analyses. NTUA presented 'CADaS - A common road accident data framework in Europe', 'Road safety and the elderly in Europe', and 'Analyses using the European Road Safety Observatory'



### 3. Seat belt use rate, Greece 2009

According to an observational study carried out by NTUA under the coordination of Prof. George Kanellaidis, around 1 out of 4 drivers do not use seat belts. Females have higher seat belt use rates. Only 19% of rear seat passengers use seat belt inside urban area and 28% outside urban area. Child restraint use is 57% with no significant difference inside / outside urban area.



#### About NRSO



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 Kanellaidis

Disclaimer

### 4. Impact of enforcement on traffic accidents and fatalities: A

**Multilevel analysis 2008**  
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 Kanellaidis.  
In this research, distributional assumptions of the Poisson family were used for the counts of road accidents and fatalities of the various regions of Greece. The combination of the model results with additional behavioural data led to the conclusion that enforcement intensification has a direct impact on the improvement of driver behaviour and attitude and subsequently on the reduction of road accident and fatalities. DOI: [10.1016/j.ssci.2009.09.012](#)

### 5. Correlation of pedestrian safety impact parameters 2006

A Diploma Thesis titled 'Correlation of pedestrian safety impact parameters' was presented by Marianna Aggelidaki and Manos Vernandos in July 2006. The use of log-linear analysis was chosen and applied for the statistical analysis of data from road accidents involving pedestrians for the period 1996 – 2003 in Greece. The results of the analysis suggested that children under 15 years old and elderly over 66 years old appear to have higher probabilities of fatal injury, while no relationship was proved between the probability of fatal injury, gender and nationality of the pedestrian.



*This ROAD SAFETY UPDATE aims to inform frequently the Greek Road Safety Community on some of the latest scientific developments in the field.*

*If you want to be removed from this list please let us know.*