



## NTUA Road Safety Update - June 2014



### Professor Matthew Karlaftis 1969-2014



NTUA Professor Matthew Karlaftis passed away on 4 June 2014. NTUA and the global scientific community lost **an eminent scientist and a bright personality**, with significant contribution to transportation planning and engineering in Greece and worldwide. Prof. M.Karlaftis contributed and guided several research projects and engineering studies and published numerous papers in scientific journals and conference proceedings, cited intensively worldwide. Editor-in-Chief of Transportation

Research Part C and Board Member of several other Journals, he received several scientific awards. He served also as Chairman of the Hellenic Institute of Transportation Engineers. Transportation statistical modeling was his passion, with great contributions on road accident analysis.

Prof. M.Karlaftis will always be the bright example for the Department of Transportation Planning and Engineering of the National Technical University of Athens.

### ETSC PIN Report - Ranking EU Progress on Road Safety 2014



The European Transport Safety Council (ETSC) has just launched the PIN Annual Report at the PIN Annual Conference on June 18th, 2014 in Brussels. There were 9.800 fewer road deaths in the EU in 2011-2013 than in three years before in 2010, demonstrating that **the European Union is almost on track to reach the 2020 target**. Slovakia (-37%) tops the ranking for reduction in road deaths between 2010 and 2013, followed by Spain, Greece and Portugal with reductions of more than 30%. Across the EU28 road deaths have been cut by 18% between 2010 and 2013, equivalent to a 6.2% average annual reduction. The EU target for 2020 is therefore reachable if combined efforts at both national and EU level are stepped up. [LINK](#)

However, there is a clearly slower progress in reducing serious injuries on EU roads. George Yannis, NTUA Associate Professor, stated that "The difference in progress might be attributed to several factors which have a more important impact on deaths than on serious injuries, such as improved vehicle passive safety, speed management and better driver behaviour (leading to less injury accidents but many less deaths) and the improved post accident care systems across the EU."

### IRTAD Road Safety Annual Report 2014



The International Road Traffic and Accident Database (IRTAD) of the International Transport Forum (ITF/OECD) published the Annual Report 2014, which comprises a **synthesis of the main trends and road safety indicators** for the year 2012 and preliminary data for the year 2013. It presents longer-term trends in order to better understand the developments taking place in the different countries. The road fatality count in IRTAD countries was 1.7% lower in 2012 than 2011 whilst mobility, in terms of motorised vehicle-kilometres, remained more or less constant. Although the fatality reduction fits into the long-term downward trend, 2012 saw the smallest reduction in ten years.

Moreover, a report activity of the IRTAD Group summarising the activities of the Group and detailed reports from 37 countries are presented. NTUA has contributed to the detailed report for Greece. [LINK](#)

### United Nations Sustainable Development for Road Safety Goals 2014



The United Nations High-Level Political Forum on Sustainable Development has recently included road safety in the "Zero Draft" which proposed goals and targets on Sustainable Development for the Post 2015 Development Agenda. At the proposed goal 11 on building inclusive, safe and sustainable cities and human settlements, a specific road safety goal is set: to **provide access to safe, affordable, accessible and sustainable transport for all and to expand public transport and improve road safety**, with specific target to half the number of road fatalities by 2030. [LINK](#)

### Sixth European Road Safety Day - Athens 2014



The Sixth European Road Safety Day took place with great success in Athens on May 9th, 2014 organised by the European Commission, in cooperation with the Greek EU Presidency. This one-day conference, centred around the headline theme '**Safe and smart infrastructure**', brought together more than 250 road safety experts, stakeholders and decision-makers from Greece and from Europe who participated actively at the two round table discussions on infrastructure challenges and on technological solutions. In parallel, several interesting road safety products, services and concepts were presented at the information stands offered by leading European and Greek road safety organisations. [LINK](#)

NTUA Professor Emeritus George Kanellaidis presentation concerned Road safety strategy and measures. [LINK](#)

### European Road Safety Charter - Together we are Road Safety Workshop Athens 2014



The workshop 'Together we are road safety', organised by the European Road Safety Charter and the Road Safety Institute 'Panos Mylonas' took place with great success on May 28th in Athens. [LINK](#). The purpose of the workshop was to promote best practices and explore new ideas in relation to **awareness and education of young people** on road safety issues. [LINK](#)

NTUA Associate Professors George Yannis and Constantinos Antoniou presented: 'Safety statistics at the Greek roads'. [LINK](#)

### ERF Future Road Infrastructure Challenges Symposium Brussels 2014



The Symposium on Future Road Infrastructure Challenges was organised by the European Union Road Federation (ERF) and took place with great success in Brussels on 18 June 2014. It was a highly dynamic and interactive forum in which the current challenges faced by the sector were discussed by the more than 100 experts, decision makers and stakeholders. The ERF event was structured around five principal themes: **safety, sustainability, ITS, financing and innovation**. All presentations are now available. [LINK](#)

### 42nd Annual ASECAP Study and Information Days Athens 2014



The 42nd annual ASECAP Study and Information Days organised by the European Association with tolled motorways (ASECAP) took place with great success on 26-28 May in Athens. The conference reflected the interconnection, under the umbrella of sustainability, between questions regarding **tolling and concessions, road safety and security and Intelligent Transport Systems**, and exploited the added value of combining the unmatched technical expertise and field experience of ASECAP Members with top-notch political considerations. On the first day of the discussion a special session focused on Road safety, security and sustainability. All conference presentations are now available. [LINK](#)

### Modeling road accident injury under-reporting in Europe - 2014



A paper titled 'Modeling road accident injury under-reporting in Europe' co-authored by George Yannis, Eleonora Papadimitriou, Antonis Chaziris and Jeremy Broughton is now published in European Transport Research Review. The purpose of this research is to present a disaggregate analysis of road accident injury under-reporting in selected European countries. The level of injury under-reporting is expressed by under-reporting coefficients, estimated as the actual estimated number of road accident injuries of a given severity to the number of related injuries recorded by the Police. Log-rate models are developed in order to estimate the combined effects of country (CZ, FR, GR, HU, NL, ES and the UK), road user type (car occupant, motorcyclist, pedal cyclist, pedestrian), Police severity score (serious or slight injury) and MAIS score (the maximum Abbreviated Injury Scale score) on under-reporting. The results suggest that **the examined characteristics have important combined effect on under-reporting** (i.e. third-order interaction). For example, it was found that slight injuries are more likely to be under-reported than serious injuries in the Czech Republic, France, and Greece, while the opposite is the case for the Netherlands and the UK. Moreover, although the Netherlands do not present high under-reporting rates overall, a particular issue is identified in this country for pedal cyclists' slight injuries. [DOI](#)

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](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.