



NTUA Road Safety Update - August 2015

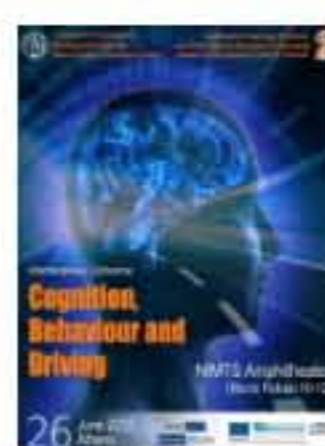
Professor John Golias appointed Minister at the new transitional Government of Greece 2015



Professor John Golias was appointed Minister for Reconstruction of Production Environment and Energy at the new transitional Government of Greece. It is **the first time that a Transportation Engineer is appointed Minister at the Greek Government.**

Professor John Golias is the Director of Traffic Engineering Laboratory of NTUA and Rector of NTUA. He has been involved in all areas of transportation planning and engineering sector for more than 35 years through numerous research projects, engineering studies and committees in Greece and abroad and he is the author of a great number of published scientific papers, cited widely worldwide. He served also as Secretary General of the Ministry of Transport during the Athens 2004 Olympic Games and Chairman of the Hellenic Institute of Transportation Engineers. Road accident analysis and road safety policy are among his key scientific areas. [LINK](#)

NTUA/UOA - Cognition, Behaviour and Driving Inter-disciplinary Conference, Athens 2015



A targeted Interdisciplinary Conference on Cognition, Behaviour and Driving took place with great success on June 26th, 2015 in Athens, co-organised by the Department of Transportation Planning and Engineering of the National Technical University of Athens (NTUA), the Department of Neurology, Psychiatry and Social Medicine, and the Department of Psychology of the National and Kapodistrian University of Athens (UoA). [LINK](#)

At this Conference, the **results of the following two interdisciplinary research projects** were presented:

DRIVERBRAIN - Performance of drivers with cerebral diseases at unexpected incidents, within the framework of the ARISTEIA research programme,

DISTRACT - Causes and impacts of driver distraction: a driving simulator study, within the framework of the THALES research programme,

both granted through open and highly competitive procedures by the Hellenic Ministry of Education, Lifelong Learning and Religious Affairs. All Conference presentations are now available. [LINK](#)

TRANSED International Conference, Lisbon 2015



The 14th International Conference on Mobility and Transport for Elderly and Disabled persons (TRANSED) took place with great success in Lisbon on 28-31 July 2015. The main objective of the Conference was to promote and encourage the development of transport services and systems that meet the needs of people with some sort of disability through the exchange and dissemination of knowledge and experience. New cases and experiences and new knowledge were presented with focus on ambitious aim setting and management for **inclusive access for all types of temporary or permanent disabilities.** [LINK](#)

NTUA presentations concerned:

- 📄 Road traffic casualties in the elderly in Europe: analysis of macroscopic and in-depth data
- 📄 Assessing driving behaviour in the elderly: methodological issues
- 📄 How does distracted driving affect reaction time of older drivers?
- 📄 Driving performance profiles of drivers with parkinson's disease
- 📄 Driving difficulties as reported by elderly drivers with MCI and without neurological impairment: implications for road design

UCL - International Conference on Transport and Health - London 2015



The 1st International Conference on Transport and Health organised by the University College London (UCL) and the Transportation Public Health Link (TPH Link) took place with great success in London on 6-8 July 2015. This innovative event combined presentations of submitted work with cross-disciplinary workshops lead by teams of transport and public health professionals on several topics, including **Global Road Safety & Injury Prevention.** 📄

NTUA presentations concerned:

- 📄 Investigating the different distraction mechanism between cell phone use and conversation with the passenger, through a driving simulator experiment
- 📄 How cell phone use affects reaction time of older drivers
- 📄 How drivers with brain pathologies deal with in-vehicle distraction, what are their emotions and driving habits: a questionnaire assessment

Panagiotis Papantoniou awarded outstanding Conference Poster, London 2015



Panagiotis Papantoniou, NTUA PhD Candidate and Researcher at the Department of Transportation Planning and Engineering in the School of Civil Engineering of the National Technical University of Athens has been awarded with the outstanding conference poster award of the 1st International Conference on Transport & Health Changing Perspectives, which took place in London, 6-8 July 2015. The outstanding conference poster award concerned the poster presentation on **"How cell phone use affects reaction time of older drivers"** co-authored by Costas Antoniou, George Yannis, Eleonora Papadimitriou, Dimosthenis Pavlou and John Golias. [LINK](#)

UN - Road Safety agreed at the Global Sustainable Development Goals 2015



Road safety targets were agreed at the UN negotiations for the Global Sustainable Development Goals (to be formally approved in September). More precisely, a **specific stand-alone target (3.6) in the Health Goal (3) to reduce road traffic fatalities by 50% by 2020** and a target on sustainable urban transport (11.2) in the Cities Goal (11) have been approved, in a landmark achievement for the global road safety community. [LINK](#)

WRI Cities Safer by Design 2015



A new Guide titled 'Cities Safer by Design' has recently been published by the World Resources Institute. It is a Global Reference Guide to assist cities save lives from traffic fatalities through **improved street design and smart urban development**, that taps examples from cities worldwide and includes 34 different design elements to improve safety and quality of life. [LINK](#)

Road Safety Foundation - Engineering Safer Roads Report 2015



The Road Safety Foundation has released a report titled 'Engineering Safer Roads - Star Rating roads for in-built safety'. Previous annual launches of Risk Mapping and Performance Tracking results have prompted the questions:

- What has been done on the 'most improved' roads?
- What is wrong with the 'persistently higher risk' roads?
- What should be done?

This report answers those questions with a **focus on safe road design.** The purpose of this report is to demonstrate pathfinding work carried out with the assistance of leading authorities on the application of Star Ratings in Britain. [LINK](#)

Road fatalities characteristics, Greece 1991-2013



Basic characteristics of road fatalities in Greece for the period 1991 - 2013 are summarised in a comprehensive Table (data source: ELSTAT). Since 2001, there are more than 1.000 less road fatalities per year in Greece. According to these time series data a **spectacular decrease (more than 60%) in road fatalities for young people and children** is observed during the last decade, as well in fatalities outside urban areas, especially in junctions, when raining and in accidents with heavy goods vehicles. On the contrary, fatalities decrease during the last decade is quite limited for motorcyclists and cyclists, older drivers, women drivers and non resident riders, as well as in junctions inside urban areas. 📄

Hellastron - Emergency lane campaign 2015



The newly founded organisation HELLASTRON (Hellenic Association of Toll Road Network) carried out an information campaign promoting the appropriate use of emergency lanes in all Greek Motorways: Atiki Odos, Rion-Antrion Bridge, Egnatia Odos, Nea Odos, Morsas, Aegean Motorway, Olympia Odos and Kentriki Odos. A well-documented leaflet titled **"Emergency lane - Life lane"** containing the necessary instructions for the use of the emergency lane is widely distributed this summer to the drivers using the Greek motorways. [LINK](#)

IOAS - Enjoy visiting Greece 2015



The Road Safety Institute "Panos Mylonas" in collaboration with the Athens International Airport "Eleftherios Venizelos" carried out a campaign for road safety for Greek and foreign drivers who visit Greece, putting posters in projection screens in Athens Airport for the whole month of August 2015, with the support of Interbus.

The aim of this campaign is to **remind people who visit Greece that the risks on the road are constant**, especially when the road network is overloaded with a large number of vehicles during summer holidays. [LINK](#)

International Cycling Safety Conference, Hannover 2015



The 4th International Cycling Safety Conference will take place in **Hannover on 15-16 September 2015**, hosted by the Accident Research Unit of the Hannover Medical School, in cooperation with the Deutsche Verkehrswacht, the DVR and the ETSC. This conference started as a Dutch initiative of the Ministry of Infrastructure and the Environment, TNO, Fietsberaad (Dutch center of expertise on bicycle policy), SWOV and Delft University of Technology together with Chalmers University of Technology. The International Cycling Safety Conference (ICSC) developed to a premium forum for researchers and development engineers in the field of cycling safety to exchange their knowledge, to extent their network and to bring up new research topics and safety solutions. [LINK](#)

Road Safety & Simulation International Conference, Orlando 2015



The 2015 Road Safety & Simulation International Conference, organised by the University of Central Florida (UCF) and the University of Tennessee, Knoxville (UTK) will take place on **6-8 October 2015, in Orlando, Florida, USA.** Under the auspices of the Southeastern Transportation Center, three world-class research centers will support the conference: Center for Advanced Transportation Systems Simulation and the Institute for Simulation and Training at UCF and UTK's Center for Transportation Research.

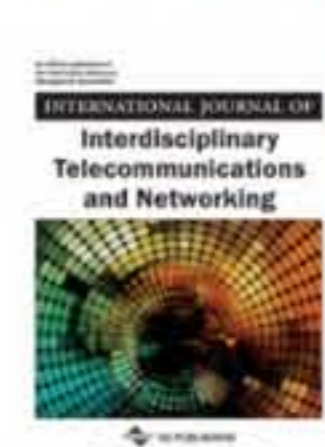
The RSS series showcases advancements in traffic simulation and driving simulator technologies, introducing new initiatives and concepts that have emerged since the first RSS conference in Rome, Italy in 2007. [LINK](#)

TRA 2016 - EU Champions of Transport Research Competition 2016



The 6th European Transport Research Conference Transport Research Arena 2016 to take place in Warsaw between 18-21 April 2016 is organising the **EU Champions of Transport Research Competition.** The competition recognises and celebrates leading researchers who are, or have recently been, contributing to surface transport EU-funded projects. Successful candidates will have to **demonstrate excellence and proven impacts in their field of research.** This competition will provide a platform to further disseminate knowledge and results from research projects in Surface Transport, promoting future synergies and further development of innovative ideas, in line with the strategic objectives of the TRA stakeholders. The Champions of Research Competition will act as a showcase for the very best EU-funded research and encourage the identification of current and future leaders in the field. The deadline for submission of entries is 30 September 2015. [LINK](#)

Simulation of Pedestrians and Motorised Traffic: existing research and future challenges - 2014



A paper titled 'Simulation of Pedestrians and Motorised Traffic: existing research and future challenges' co-authored by Eleonora Papadimitriou, Jean Michael Auberlet, Sylvain Lassarre and George Yannis is now published in International Journal of Interdisciplinary Telecommunications and Networking. The objective of this paper is the analysis of the **state of the art in pedestrian simulation models** and the identification of key issues for further research, with particular focus on the modelling of pedestrians and motorised traffic. A review and a comparative assessment of pedestrian simulation models are carried out, including macroscopic models, earlier meso- and microsimulation models (mostly in Cellular Automata) and more recent Multi-Agent simulation models. The reviewed models cover a broad range of research topics: pedestrian flow and level of service, crowd dynamics and evacuations, route choice etc. However, pedestrian movement in urban areas and the interactions between pedestrians and vehicles have received notably less attention. A number of challenges to be addressed in future research are outlined: first, the need to and account for the hierarchical behavioural model of road users (strategic / tactical / operational behaviour); second, the need for appropriate description and parameterization of vehicle and pedestrian networks and their crossing points; third, the need to exploit in the simulation models the results of statistical and probabilistic models, which offer valuable insight in the determinants of pedestrian behaviour. In each case, recent studies towards addressing these challenges are outlined. [LINK](#)

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](#)

#mce_temp_url#

AcyMailing - Joomla!&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 is 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.