

7th INTERNASTIONAL CONFERENCE ON TRANSPORT RESEARCH

Conference Program

Thursday, 5 November 2015

9:00 – 9:30	Welcome - Registration
9.30 – 11.30	Special Session: Theses presentation of young researchers <i>Chair: C. Antoniou – Y. Tyrinopoulos</i>
11:30 – 12:00	<i>Coffee Break</i>
12:00 -13:00	Greetings Honorary award ceremony for Professor G.A. Giannopoulos <i>Chair: P. Papaioannou</i>
13:00 – 13:45	Keynote Speech
13:45 – 14:30	<i>Lunch Break</i>
14:30 – 16:00	Session A: Urban Mobility: Theory and Applications <i>Chair: A. Stathopoulos - M. Pitsiava-Latinopoulou</i>
<p>3. Alternative-collective patterns of ownership and use of passenger cars in the city, Ioanna Palanta and Christos Taxiltaris</p> <p>31. Traffic Calming measures: Users' Level of acceptance development through time, Panagiotis Iordanopoulos, Katerina Chrysostomou and Evangelos Mitsakis</p> <p>10. Evaluation Methodology for bikeway characteristics in a mid-size city in Greece, Athanasios Galanis, Pantelis Kopelias, Evangelos Bourazanis, Ioannis Kaltsas and Nikolaos Eliou</p> <p>57. Impacts of the economic crisis on mode choice and trip frequency of urban transport systems, Apostolos Papagiannakis, Giannis Baraklianos and Alexia Spyridonidou</p> <p>54. Attitudinal survey for the urban maritime transport in the city of Thessaloniki, Greece, Alexandros Dolianitis, Socrates Basbas, Magda Pitsiava-Latinopoulou, George Mintsis and Ioannis Politis</p>	
16:00 – 16:30	<i>Coffee Break</i>
16:30 – 18:00	Session B: Issues in Transport Policy and Economics <i>Chair: E. Sambracos – I. Golias</i>
<p>34. The future of transport in Europe: Addressing the Challenges, Maria Boile, Aggelos Aggelakakis, Anestis Papanikolaou and Alkiviadis Tromaras</p> <p>66. Investigation of application of the "Value Capture" method for financing the Thessaloniki metro: the case of enterprises, Andreas Nikiforiadis, Anastasia Roukouni, Socrates Basbas, George Mintsis and Christos Taxiltaris</p> <p>80. Peak Car Effects on Scheme Appraisal, Christina Spiliopoulou and Constantinos Antoniou</p> <p>45. A Multivariate Probit Model for Analyzing Travelers' Choice of Airline Carrier, Christina Milioti, Matthew Karlaftis† and Eleni Akkogiounoglou</p> <p>81. Highway Infrastructure Investment and Economic Growth at the MSA Level; Accounting for Spillover Effects, Eirini Kastrouni, Xiang He and Lei Zhang</p> <p>56. Locational determinants of birth and death of business establishments and their relationship to highway networks, Srinath Ravulaparthi, Ioannis Tsouros and Konstadinos Goulias</p>	
11:30 – 14:30	Parallel Poster Session A: Research Theses
<p>11. A Model for the Supply Vehicle Routing Problem with Route Time Balancing, Theologia Moustaka, Konstantinos Kepaptsoglou, Nikolaos Lagaros and Matthew Karlaftis†</p>	

12. **Regional rail connection between Thessaloniki and Larissa. Evaluation of the current situation and proposals for the improvement of the level of service provided**, Nikoleta Tsougeni and Christos Pyrgidis
13. **Catenary Free Power Supply Systems for Tramways - Comparative Assessment**, Rafail Katkadigkas and Christos Pyrgidis
14. **Multivariate Statistical Methods for explaining Powered Two Wheelers' Traffic in Urban Arterials**, Paraskevi Katachanaki, Emmanouil Barmounakis, Eleni Vlahogianni and John Golias
17. **Evaluation of Congestion Pricing Policies on Urban Road Network's Traffic**, Lampros Alexandros Papadoulis, Ilias Gkotsis, Eleni Vlahogianni, Konstantinos Kepaptsoglou, John Golias and Christina Milioti
21. **The investigation of exogenous influences on public transport performance**, Georgios Georgiadis and Panagiotis Papaioannou
25. **Soft mobility scenarios for a sustainable city**, Stella Strataki
27. **Comparative assessment of road infrastructure sustainability rating systems**, Evdokia Iliadou, Nikolaos Eliou and Alexandros Zouros
36. **Game-theoretical Investigation of Supply and Demand in Aviation Markets**, Ioanna Pagoni and Voula Psaraki-Kalouptsidi
37. **Optimal detour choice in an urban freeway**, Vyronas Sarantidis, Pantelis Kopelias, Nikolaos Eliou and Eleni Tyrogianni
38. **Effect of vehicle collision type on road accident severity in Greece**, George Yannis, Panagiotis Papantoniou and Olga Reitzopoulou

15:00 – 18:00	Parallel Poster Session B: Research Theses
<p>40. Applications of laser scanning technologies in transport operations, Ioulia Markou, Constantinos Antoniou, Maria Tsakiri and Andreas Georgopoulos</p> <p>44. Evaluation of Roadside Wrong-way Warning Systems with Different Type of Sensors, Jian Xing</p> <p>46. Comparison of macroscopic and microscopic emission estimation approaches in the evaluation of ITS, Sokratis Mamarikas, Evangelos Mintsis, Evangelos Mitsakis and Josep Maria Salanova Grau</p> <p>47. Influencing factors of pedestrian velocity under constraints, George Kouskoulis and Constantinos Antoniou</p> <p>49. Developing a Sustainable Mobility Plan in Piraeus with Special Emphasis on Cycling, Efthimios Bakogiannis, Avgi Vassi, Maria Siti and Georgia Christodouloupoulou</p> <p>67. GPS Data Collection for Active Transport Modes and Design of Real Life Experiments, Ioannis Tsouros, Amalia Polydoropoulou and Konstadinos Goulias</p> <p>68. Rhythms in Urban and Island Areas: Does Lifestyle Affect Daily Dynamics?, Ioannis Tsouros, Amalia Polydoropoulou, Konstadinos Goulias and Athena Tsimpa</p> <p>71. Development of a Methodological Framework for Predicting Containers' Dwell Time in Marine Container Terminals – First Results, Ioanna Kourounioti, Amalia Polydoropoulou and Xristos Tsiklidis</p> <p>73. Analysis of Preferences for the Use of Bicycling Sharing System in Athens, George Yannis, Panagiotis Papantoniou, Eleonora Papadimitriou and Athina Tsolaki</p> <p>72. Travel Behaviour Change via Social Marketing interventions, Foteini Mikiki, Panagiotis Papaioannou and Andreas Oikonomou</p>	
18:00 – 20:00	Cocktail

Friday, 6 November 2015

9:00 – 11:00	Session C: Research and Applications in Road Safety <i>Chair: G. Yannis – V. Halkias</i>
<p>2. Investigation of the degree of implementation of the International Standard ISO 39001:2012 for the management of road safety, Ilias Keppas and Yannis Tyrinopoulos</p> <p>5. Methodology for the analysis of the interurban road network in the context of integrated seismic risk management, Nikolaos Gavanas, Alexandros Sdoukopoulos, Anastasios Tsakalidis and Magda Pitsiava-Latinopoulou</p> <p>16. Pilot implementation of e-Call system in Greece, George Patsiavos, Sofia Papathanasopoulou, Panagiotis Papaspiliopoulos, Dimitris Margaritis, Alexander Stathacopoulos, Evangelia Portouli and Aikaterini Pagle</p> <p>23. Investigation of motorcycle riders' behavior on rural roads' junctions, Panagiotis Lemonakis, Nikolaos Eliou and George Botzoris</p> <p>28. Development of an Educational Scheme for Road Safety Auditors in Greece, Sophia Vardaki, Anastasios Dragomanovits, Evangelia Gaitanidou, Evangelos Bekiaris and George Kanellaidis</p> <p>79. Spatial road safety modeling leveraging crowd-sourced publicly available geographic data, Loukas Dimitriou, Dimitrios Efthymiou and Constantinos Antoniou</p>	
11:00 – 11:30	<i>Coffee Break</i>
11:30 -12:30	Intervention by Ms P. Perka, General Secretary for Transport Sponsors Speeches Award of young researchers
12:30 – 13:45	Session D: Environment and Energy in Transport <i>Chair: K. Vogiatzis - E. Bekiaris</i>
<p>6. Comparison of population exposure results at airport noise zones using different noise prediction softwares (INM, IMMI/CadnaA) in the framework of the Corfu strategic noise map, Konstantinos Vogiatzis, Charalampos Antoniadis, Pantelis Kopelias and Eleni Misokefalou</p> <p>32. Impact of light conditions on traffic flow, Charalampia Lagou and Ioanna Spyropoulou</p> <p>65. Electric Vehicles Charging Infrastructure Location: A Genetic Algorithm Approach, Dimitrios Efthymiou, Katerina Chrysostomou, Maria Morfoulaki and Georgia Aifantopoulou</p> <p>30. Evaluation of positive & negative effects from the use of anti-noise barriers as a mitigation measure for road traffic environmental noise, Konstantinos Vogiatzis, Nikolaos Eliou, Pantelis Kopelias, Eleni Misokefalou and Charalampos Antoniadis</p> <p>35. Effects of C-ITS on the Environmental Footprint of Vehicular traffic at Signalized Intersections, Evangelos Mintsis, Josep-Maria Salanova Grau, Evangelos Mitsakis and Georgia Aifantopoulou</p>	
13:45 – 14:30	<i>Lunch Break</i>
14:30 – 16:15	Session E: Policy, Management and Operational aspects in Mobility <i>Chair: G. Aifantopoulou – N. Eliou</i>
<p>8. The exploitation of a controlled parking system in the Municipality of Thessaloniki. Calculating the impacts of alternative parking pricing policies and estimating scenarios, Maria Morfoulaki, Kornilia Kotoula and Glikeria Myrovali</p> <p>26. Evaluation of evacuation effectiveness using sensitivity analysis, Margarita Kostovasili and Constantinos Antoniou</p> <p>52. Assessment of LOS at pedestrian streets and qualitative factors. A pedestrians' perception approach, Olga Lazou, Aggeliki Sakelariou, Socrates Basbas, Evangelos Paschalidis</p>	

and Ioannis Politis

53. Efficient Management of parking under constraints, Vasileia Papathanasopoulou, Ioulia Markou, Constantinos Antoniou, Vassilis Gikas, Athanasios Mpimis, Haris Perakis and George Yannis

75. Policies for Enhancing Mobility in Academic Campuses: The case of CERN, Athena Tsirimpa, Ilias Gkotsis, Konstantinos Kepaptsoglou, Eleni Vlahogianni, Amalia Polydoropoulou and Matthew Karlaftis†

41. A Holistic Approach of the Correlation between GDP and Air Transport through Panel Data Analysis, Vassilios Profillidis, George Botzoris and Stylianos Taxidis

16:15 – 16:30 Coffee Break

16:30 – 18:00 **Session F: Methodological aspects and applications in Freight and Logistics in Transport**
Chair: A. Ballis – M. Boile

63. Capitalization of MED projects' outcomes: recommendations for integrating project outcomes into policy frameworks, Konstantinos Papoutsis, Eliza Gagatsi, Georgia Aifantopoulou and Panagiotis Tzenos

69. Multi-stakeholder Assessment of Smart Solution in Urban-Interurban Freight Transportation Interfaces, Eftichia Nathanail, Michael Gogas and Konstantinos Papoutsis

78. Advanced Cargo Transport Information Services Platform, Eleftherios Sdoukopoulos, Afroditi Anagnostopoulou, Maria Boile, Konstantinos Rikkou, Sotirios Theofanis, Christos Georgakopoulos, Georgios Voulkas, Petros Pallis, Theodora Todi and Georgios Iliadis

33. Singular Spectrum Analysis – Hybrid Forecasting Methods with Application to Air Transport Demand, Kingsley Adjenughwure, Victor Balopoulos and George Botzoris

9:00 – 13:00 Parallel Poster Session C

4. The Poly-SUMP methodology as a tool for Sustainable Urban Mobility Planning and its application process in the Region of Central Macedonia, Afroditi Stamelou, Kostas Konstantinou and Irene Tsakiridou

7. Fuzzy theory application for the improvement of Optimum Route algorithms, Konstantinos Mattas, George Botzoris and Basil Papadopoulos

9. Factors affecting professional drivers' response to Variable Message Signs, Maria Pouloupoulou and Ioanna Spyropoulou

15. Viability of investments for the development of an electric vehicle charging network in Greece, Nikiforos Plytas, Dimitris Margaritis and Maria Boile

18. Fuzzy Sustainability Assessment of Urban Transportation Vehicle Technologies, Lambros Mitropoulos and Panos Prevedouros

19. Exploring the potential of a Green Freight Intermodal Transport Cluster in South East Europe, Eliza Gagatsi, Elli Papakosma, Annie Kortsari and Elpida Xenou

20. Validation of Everscape, the Evacuation Simulator, Emmanouil Chaniotakis

24. Should We Promote Cycle Infrastructure in Athens? - A Total Cost Analysis, Alexandros Deloukas

29. Transportation-related climate change adaption measures, Iraklis Stamos, Evangelos Mitsakis and Josep-Maria Salanova

39. Road Safety Training through a Master Course in Belarus, Stergios Mavromatis, Alexandra Laiou, George Yannis, Jo Barnes, Gabriele Giustiniani and Luca Persia

42. Integrated Urban and Transport Planning in Touristic Areas towards Sustainable Mobility: The case of Rethymno, Crete, Konstantinos Athanasopoulos and Thanos Vlastos

43. Systematic Data Collection from Social Media for Transportation Research, Emmanouil

Chaniotakis, Constantinos Antoniou and Evangelos Mitsakis

48. Complex Network Analysis on Transportation Networks, Emmanouil Chaniotakis, Evangelos Mitsakis, Josep Maria Salanova Grau and Iraklis Stamos

13:30 – 18:00

Parallel Poster Session D

50. Modelling intermodal freight flows with combined use of Transtools and Cube Cargo.

Case study: freight transport in the logistics chains crossing the Adriatic Sea, Fani

Hatziioannidou

51. Sustainable student mobility in the city of Serres, Panagiota Papadopoulou, Foteini Mikiki and Eleftherios Panagiotopoulos

55. Experimental Evaluation of INS/GYRO Smartphone Sensors for Land Vehicle Navigation: Preliminary Testing and Results, Haris Perakis, Thanassis Mpimis, Chis Danezis, Vassilis Gikas and Constantinos Antoniou

58. Transport Governance Mapping in Thessaloniki, SWOT Analysis and Recommendations, Spyros Vougias, Katerina Chrysostomou, Georgia Aifantopoulou and Anastasios Tsakalidis

59. Stimulating ITS Deployment in Europe: Barriers and Recommendations, Maria Chatziathanasiou, Annie Kortsari and Yannis Tyrinopoulos

60. Integrating city logistics into urban mobility policies, Maria Morfoulaki, Foteini Mikiki, Kornilia Maria Kotoula and Glykeria Myrovali

61. Towards a modern estimate of “value to prevent a fatality” for road crashes in Greece, Konstantinos Kostovasilis and Constantinos Antoniou

62. A Decision Support System for Evaluating the Athens Bus Network Lines, Aggelos Gkiokas, Dimitra Katsampi, Eleni Vlahogianni, Konstantinos Kepaptsoglou and Matthew Karlaftis†

64. Investigation of issues for improving energy consumption and environmental impacts in rail freight transport, Athanasios Ballis, Tatiana Moschovou and Eleni Tournaki

70. Assisting Transit Operators in Designing Sustainable Bus Route Networks, Yannis Tyrinopoulos, Moschoula Pternea, Konstantinos Kepaptsoglou, Dimitrios Kosmopoulos, Markos Papageorgiou and Ioannis Papamichail

74. Development of a National City Network for Sustainable Urban Mobility Plans: Problems and perspectives, Ioannis Politis, Panagiotis Papaioannou and Anastasia Nikolaidou

76. How does socio-economic status affect the use of CRS and seat belts? Preliminary results from a study in Athens, Ioanna Armouti, Constantinos Antoniou and George Yannis

77. Critical changes in road safety during economic recession. A comparison between Greece and the USA, Alexandros Skampardonis and Pantelis Kopelias

82. The iRAP standardized protocols as a tool for infrastructure road safety inspections: the NR6 I/C Velestino (A1) - Volos road section example, Evangelos Bellos, Stelios Efstathiadis and Steve Lawson