

PERSONAL INFORMATION

Eftihia G. Nathanail



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Sex Female

Nationality Greek

CURRENT POSITION

- Associate Professor
- Head of the Traffic, Transportation and Logistics Laboratory – TTLog

STUDIES

1992-1996

PhD

Department of Civil Engineering, University of Thessaloniki

- Dissertation Topic: "A decision support system for the selection of the optimum incident management strategy"

1989-1991

Master of Science in Transportation Engineering (MSCE)

Department of Civil and Architectural Engineering, University of Miami, Coral Gables, Florida

- Thesis topic: "Freeway Incident Delay Minimization Through the Optimum Deployment of Emergency Response Units"

1982-1987

5-YEAR DIPLOMA in Surveying Engineering

Aristotle University of Thessaloniki, Greece

- Thesis topic "Optimization of the fare policy in urban transport organizations"

SPECIAL COURSES

1999

- EMME/2, Transportation Planning Software package, "Advanced auto assignment", "Advanced transit assignment", INRO, Montreal, Canada

1994

- ARC/INFO (Geographical Information Systems- GIS) Advanced Users' Seminars, Technical Chamber of Greece
- Intergraph (MGE - Microstation) User's seminars, Technical Chamber of Greece

1992

- IGRDS (Interactive Graphics Roadway Design System), Cal Poly, San Luis Obispo, CA
- Intersection Design I, CALTRANS, San Diego, CA
- Intersection Design II, CALTRANS, San Diego, CA
- Freeway Design, CALTRANS, San Diego, CA
- VERSACAD (computer applications, CALTRANS, San Diego, CA

COMPUTER KNOWLEDGE

Computer skills

- Specialized Software for Transportation Engineers: Paramics, Visum, Vissim, AIMSUN, Cube, HCS, SOAP, NETSIM, INTRAS, KRONOS, QRS, EMME
- Statistical packages: SAS, SPSS, NCSS, Lindo, SLAM II
- Other Software: A-logit, ARC/INFO, MGE, AutoCAD, ADVOCATE, VERSACAD, Microstation, TORA
- Computer Environment: Windows NT, MS-DOS, Macintosh, IBM CMS, VAX/VMS, UNIX

LANGUAGES

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Oral	Writing (reading)	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	B2	B2	B2

FIELDS OF SPECIALIZATION

Specialization towards the cognitive domains

- Freeway incident management / Operations research
- Transport planning
- Optimization and assessment
- Systems design and impact analysis
- Risk assessment
- Hazardous materials transportation
- Driver and traveler behavioral modeling
- Dynamic traffic simulation systems
- Smart transportation systems (traffic monitoring, motorist information systems, routing, navigation)

Engineering qualification

- Transportation Engineering license category C' (valid till 2023)
- Surveying Engineering license category A' (valid till 2023)

ACADEMIC EXPERIENCE

2016-today

- Associate professor "Transportation systems design and evaluation", Department of Civil Engineering, University of Thessaly
- Head of Traffic, Transportation and Logistics Laboratory (TTLog)

2008-2016

- Assistant professor "Transportation systems design and evaluation", Department of Civil Engineering, University of Thessaly
- Head of Traffic, Transportation and Logistics Laboratory (TTLog)

2002-2008

- Lecturer, Department of Civil Engineering, University of Thessaly

1999 - 2002

- Adjunct assistant professor, Department of Civil Engineering, University of Thessaly

1996 - 1999

- Adjunct lecturer, Department of Civil Engineering, University of Thessaly

Sept. 1990 - Aug. 1991

- Research and teaching assistant, Transportation Engineering Laboratory, Department of Civil and Architectural Engineering, University of Miami, Florida

Jan. 1989 - Aug. 1990

- Teaching assistant, Department of Civil and Architectural Engineering, University of Miami, Florida

PROFESSIONAL EXPERIENCE

Jan. 1994-2002

- Managing Director, TRD International S.A.

Oct. 1992 - Dec. 1993

- Senior Transportation Engineer, TRD International S.A.

Apr. 1992 - Sep. 1992

- Transportation Engineer Range B, Project Studies, CALTRANS, Department of Transportation, San Diego CA

Sep. 1991 - Mar. 1992

- Transportation Engineer Range A, Design and Minor Contracts, CALTRANS, Department of Transportation, San Diego CA

Jan. 1990 - Jul. 1991

- Associate engineer, Technical Department, DOLPHIN Cruise Lines, Miami, Florida

May 1988 - Dec. 1988

- Scientific supervisor, Transportation Planning Laboratory, Department of Civil Engineering, University of Thessaloniki

TEACHING EXPERIENCE

2016 - today

**Associate Professor**  
University of Thessaly, Department of Civil Engineering

- 2016-2017: "Freight transport and logistics", Interdepartmental Postgraduate Programme "Project Management. Transportation and Spatial Planning", Department of Planning and Regional Development and Department of Civil Engineering, University of Thessaly, course coordinator.
- 2016-2017: "Design and evaluation of transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2016-2017: "Road safety", 10th semester, Department of Civil Engineering, University of Thessaly.
- 2016-2017: "Transportation planning", 5th semester, Department of Civil Engineering, University of Thessaly.

#### 2008 – 2016 Assistant Professor

University of Thessaly, Department of Civil Engineering

- 2015-2016: "Freight transport and logistics", Interdepartmental Postgraduate Programme "Project Management. Transportation and Spatial Planning", Department of Planning and Regional Development and Department of Civil Engineering, University of Thessaly, course coordinator.
- 2015-2016: "Design and evaluation of transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2013-2014, 2014-2015: "Transportation systems and traffic simulation and modelling", Master studies programme "Modeling and Design of civil engineering structures", Department of Civil Engineering, University of Thessaly.
- 2012-2013, 2013-2014, 2014-2015: "Design, management and evaluation of transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2011-2012: "Transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2011-2012: "Optimization of traffic flow and transportation networks", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2011-2012: "Intelligent Transportation Systems – ITS", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2010-2011, 2011-2012, 2013-2014: "Organization and management of freight transportation and logistics systems", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2010-2011, 2011-2012, 2013-2014: "Transportation Safety management", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2008-2009, 2009-2010, 2011-2012, 2012-2013: "Simulation applications in transport systems – traffic flow/transportation", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2008-2009, 2009-2010, 2010-2011: "Application of Information Society on Transportation", Interdepartmental Programme of Postgraduate Courses on Transportation 'Planning, Organization and Management of Transportation Systems' – MET.M., A.U.Th..
- 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016: "Road safety", 10th semester, Department of Civil Engineering, University of Thessaly.
- 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016: "Transportation planning", 5th semester, Department of Civil Engineering, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, Department of Planning and Regional Development, University of Thessaly.

#### 2002 – 2008 Lecturer

University of Thessaly, Department of Civil Engineering

- 2006-2007, 2007-2008: Simulation applications in transport systems – traffic flow/transportation", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2004 – 2005: "Simulation of transportation systems", Master studies programme 'Applied mechanics and system simulation', Department of Civil Engineering, University of Thessaly.
- 2003-2004, 2004-2005, 2005-2006, 2006-2007: "Application of Information Society on Transportation", Interdepartmental Programme of Postgraduate Courses on Transportation 'Planning, Organization and Management of Transportation Systems' – MET.M., A.U.Th..

- 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2011-2012, 2012-2013: "Road safety", 10th semester, Department of Civil Engineering, University of Thessaly.
- 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2011-2012, 2012-2013: "Transportation planning", 5th semester, Department of Civil Engineering, 2011-2012, 2012-2013, Department of Planning and Regional Development, University of Thessaly.
- 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007: "Transportation Engineering", 4th semester, Department of Civil Engineering, University of Thessaly.

1999 - 2002 **Adjunct assistant professor**

University of Thessaly, Department of Civil Engineering

- 1999-2000: "Transport systems and transport engineering", 4th semester, Department of Planning and Regional Development, University of Thessaly.
- 2000-2001, 2001-2002: "Road safety", 9th semester, Department of Civil Engineering, University of Thessaly.
- 1997-1998, 1998-1999, 1999-2000, 2000-2001: "Transport systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 1997-1998, 1998-1999, 1999-2000: "Traffic control", 7th semester, Department of Civil Engineering, University of Thessaly.
- 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002: "Transportation Engineering", 4th semester, Department of Civil Engineering, University of Thessaly.
- 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002: "Transportation planning", 5th semester, Department of Civil Engineering, University of Thessaly.

1996 – 1999 **Adjunct lecturer**

University of Thessaly, Department of Civil Engineering

- 1999-2000: "Transport systems and transport engineering", 4th semester, Department of Planning and Regional Development, University of Thessaly.
- 2000-2001, 2001-2002: "Road safety", 9th semester, Department of Civil Engineering, University of Thessaly.
- 1997-1998, 1998-1999, 1999-2000, 2000-2001: "Transport systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 1997-1998, 1998-1999, 1999-2000: "Traffic control", 7th semester, Department of Civil Engineering, University of Thessaly.
- 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002: "Transportation Engineering", 4th semester, Department of Civil Engineering, University of Thessaly.
- 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002: "Transportation Engineering", 4th semester, Department of Civil Engineering, University of Thessaly.

Jan. 1989 – Aug. 1991 **Research and teaching assistant**

Transportation Engineering Laboratory, Department of Civil and Architectural Engineering, University of Miami, Coral Gables, Florida

- 1990-1991: Head of Transport Engineering Laboratory. Transport engineering laboratories and use of software: Highway Capacity Software, SOAP, NETSIM, QRS. Department of Civil and Architectural Engineering, University of Miami, Florida (research assistant).
- 1990: Teaching assistant, "Project Management", Department of Civil and Architectural Engineering, University of Miami, Florida
- 1990: Teaching assistant, "Statics – Structural analysis", Department of Civil and Architectural Engineering, University of Miami, Florida
- 1989-1990: Teaching assistant, "Surveying engineering". Department of Civil and Architectural Engineering, University of Miami, Florida

**SUPERVISION OF ACADEMIC STUDIES**

Supervisor in diploma theses of undergraduate studies

- Papaioannou Giorgos (in progress): Optimal fleet and route choice on maritime transport.
- Nikos Chatzistamatis (in progress): Night deliveries.
- Michailidis Ilias (in progress): The role of big data in transport.
- Zafiridis Theodoros (in progress): Travelers' behavioral models.
- Sourlas Dimitris (in progress): System of urban mobility in Volos.

- Fourkas Spyros, Mesionis Giorgos (2016): Formulation of a transportation model for the urban agglomeration of city of Volos (in progress).
- Magginas Aris, Manoli Stefania: (2015): PPP in the port of Volos.
- Kouros Panagiotis (2014): Freeway incident management through incident detection algorithms. the case of Attiki Odos.
- Karyoti Eleni (2014): Assessment of the accessibility and mobility at Pelion villages.
- Karaouli Eleni, Pantazi Sofia (2014): Car sharing system for the University of Thessaly.
- Papafoti Lambrini (2014): Green urban transportation in Volos.
- Siozou Lefki, Ntasseniou Georgia (2013): Simulation of traffic impacts of transportation infrastructure interventions in the city of Ioannina.
- Katranaras Ilias, Fourlas Dimitris (2013): Risk analysis of Thessalia's provincial road network.
- Panagiotidis Giannis (2012): State-of-the-art review on evaluation methodologies for transportation incident management systems.
- Konitsiotis Nikolaos (2011): Description and evaluation of advanced systems in road transportation.
- Vlachou Natalia, Lagiou Etleva, Stavropoulou Christianna & Tsitsiva Eleni (2011): Planning and evaluation of road safety campaigns in the School of Engineering of University of Thessaly.
- Kontos Panagiotis (2007): Design and management of the transportation of liquid fuel through the tunnels of Attiki Odos.
- Kyritsis Chariton (2007): Presentation and implementation of a hierarchy process for the optimization of level junctions.
- Primpidis Konstantinos (2005): Quality analysis of passenger services of Hellenic Railway Organization.
- Nanouris Christos (2004): Risk analysis of the national road network of city of Volos.
- Dimitriou Evgenia, Triantafyllou Maria (2003): Analysis of the strategic and operational plan of Volos Port Authority and formulation of an exploitation plan of port space.
- Arvanitaki Erasmia, Gogas Michael (2003): Investigation of measures for environmental impacts due to traffic congestion in the city of Kalamaria.
- Loupasaki Eleftheria (2003): Planning and evaluation of road incidents in the wider area of Volos.
- Nikakis Konstantinos (2002): E-parking system in Kingston Upon Thames.
- Maltzaris Ioannis (2002): Before-After analysis and implementation of the evaluation of traffic management measures in city of Polihni.
- Liaskas Thomas (2002): Analysis of road nodes, links and network via static and dynamic methods.
- Konstantis Xenofon (2002): Development of an impact assessment framework for the traffic impacts of alternative scenarios for the city of Volos.
- Economidis Ioannis (2001): Investigation of the impacts caused by telematics and new technologies in the transportation sector.
- Philippatos Othonas (2000): Feasibility study of the development of a logistics centre in the wider area of Volos.

## Supervisor in Master theses

- Kioussis Vassilis (in progress): Application of specific freight delivery systems (city lockers)
- Charalampidou Sofia (2015): Development of route optimization models for route planners: the case of I-Mobi Volos.
- Karakitsiou Jenny (2015): Investigation of municipal waste collection systems: The case of the Municipality of Peristeri.
- Tsanakas Nikos (2015): Calibration and evaluation of traffic flow models using empirical data.
- Charalabidou Sofia (2013): Smart mobility in the city of Volos.
- Barkabas Vassilis (2012): Restructuring logistics business model of MAMA products Distribution Company.
- Efremidou Ermioni (2012): Development of forecast models for the influence of talking while driving on driving behavior.
- Kamara Maria-loulia (2012): Development of an operation framework for the intermodal network of freight transportation in Greece.
- Koukoulis Dimitris (2011): Investigating the level of service of bike network in the city of Karditsa.
- Sanidas Giannis (2010): Design of the transportation of liquid fuel through bypassing the tunnels of Attiki Odos.
- Adamos Ioannis (2005): Impact analysis of modern driver assistance systems on traffic and

behaviour.

- Ladopoulos Lazaros (2004): Integrated impact assessment system of the advanced systems for the management of road traffic and road infrastructure.

Supervisor in Doctoral theses

- Ioannis Karakikes (in progress): Simulation and impact assessment of innovative systems for urban freight distribution. Department of Civil Engineering, University of Thessaly.
- Maria Karatsoli (in progress): Intelligent transport systems with usage of “big data” for management of sustainable mobility. Department of Civil Engineering, University of Thessaly.
- Mpartziokas – Tsompras Alexandros (in progress): Methodological framework for the identification of an integrated walkability index with the use of geospatial analysis and GIS. School of Surveying Engineering, National Technical University of Athens (member of the three-member committee).
- Gogas Michael (in progress): Determining logistics centers network of intermodal transportation in Southeastern Europe. Department of Civil Engineering, University of Thessaly.
- Papoutsis Konstantinos (in progress): Cost analysis and optimization of sustainable urban freight transport under the prism of Life-Cycle Analysis. Joint PhD: University of Thessaly and University of Antwerp, Belgium
- Tsami Maria (in progress): Modeling service quality of public transportation and its impact on mode and route choice. Department of Civil Engineering, University of Thessaly.
- Adamos Ioannis (2016): Development of penetration models of road safety campaigns in driving behavior and accidents. Department of Civil Engineering, University of Thessaly.
- Stefanouli Maria (2015): Methodological and empirical analysis of the daily movement for work purposes. Department of Urban planning and Development, University of Thessaly (member of the three-member committee).
- Irina Pitsina (2015): Integral Estimation of Urban Public Transport System Service Quality from the End-Users Point of View. Transport and Telecommunication Institute, Riga, Latvia (member of the three-member committee).
- Misokefalou Eleni (2015): Modeling driver distraction and road safety impacts (member of the three-member committee). Department of Civil Engineering, University of Thessaly.
- Kottas Panagiotis (2012): Detecting driver sleepiness by using a system that analyses eye image. Department of Civil Engineering, University of Thessaly.
- Petamidis Charalampos (2011): Evaluation of information systems towards optimizing traffic management through simulating drivers’ and traffic flow attitude. Department of Civil Engineering, University of Thessaly.

Committee Member of Doctoral Theses

- Gavanas Nikolaos (2011): Spatial impacts of transportation system: Application in South-Eastern Europe. Aristotle University of Thessaloniki.
- Zacharaki Eleni (2010): The impact of behavior in the relation of land uses and transport. Aristotle University of Thessaloniki
- Zacharis Stratis (2010): Hazardous Materials transportation in Greece. Aristotle University of Thessaloniki

OTHER EDUCATIONAL ACTIVITIES

May 2016 **Training School on “Urban and Transportation Planning”, Organized by the University of Thessaly within the context of ALLIANCE European project, Volos, Greece**

School organizer and trainer

- Course 1: Transportation on hazardous materials on interurban highways and tunnels
- Course 2: Freight transportation and logistics: An evaluation framework

2014 – 2015 **Open Digital Courses of the University of Thessaly”, Operational Programme “Education and Lifelong Programme” 2007-2013**

Scientific responsible

- Road safety (A+)
- Transportation Planning (A-)
- Design and evaluation of transportation systems (A-)

2014 – 2015 **Operational program Education and life-long learning-PEGA,**

University of Thessaly, Aristotle University of Thessaloniki “Road infrastructure focusing on sound designing and environmental authorization. Emphasis on new European Directives 2008/96/EC, EN1317, 2002/49/EC and 54/2004”

Trainer

- «Hazardous goods transportation on road network»

May 2014 Training School on Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems, COST TU1004 Training School on Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems  
School organizer and trainer

- Section: EVALUATION: Lectures: Evaluation methodologies and Output indicators

2012 Graduate Program, Civil and Environmental Engineering, University of Hawaii at Manoa, Honolulu, Hawaii

Invited speaker

- «Hazardous Material Transportation through tunnels – A risk assessment framework»

2013 - 2015 Operational program Education and life-long learning 2007-2013, Ministry of Education and European Commission. Budget: 32,000 €

Scientific coordinator

- Internships program for undergraduate students of University of Thessaly

May 2010 Within the context of the interdepartmental master studies program ‘Planning, organization and management of transportation systems’– MET.M., AUTH, CERTH

Organizer - speaker

- Workshop for “organization and management of maritime transport and ports”

May 2014 – Oct. 2015 “Human network for the promotion of road safety – ADIRITOS”, University of Thessaly, Assigned by the Ministry of Research and Technology

Driving instructor training

2009 – 2012 Operational program Education and life-long learning 2007-2013, Ministry of Education and European Commission. Budget: 95,000 €

Scientific coordinator

Internships program for undergraduate students of University of Thessaly

2006-2008 Strengthening the administrative skills of the Port Authority in Cyprus

Education program organizer and instructor

July 2003 Summer School on Transport and Sustainable Economic Development. Road Transport and Road Safety, UniAdriatic Universities’ Network Activities, University of Ioannina, Ammoudia, Preveza

Trainer

PARTNERSHIPS WITH INTERNATIONAL EDUCATIONAL INSTITUTIONS

2015 Memorandum of Understanding with Transport and Telecommunications Institute (TTI), Riga, Latvia.

2015 Joint PhD Program with University of Antwerp, Belgium.

ADMINISTRATIVE ACTIVITIES IN UNIVERSITY OF THESSALY

2015 – today ▪ Special interdepartmental committee of the Interdepartmental graduate program "Project

- management, transportation and spatial planning" (term from 2015 onwards) and postgraduate student selection committee
- 2014 – today
  - Member of the Committee for Study program
- 2010 – 2015
  - Member of the Committee for Buildings of the Department of Civil Engineering
- 2013
  - Member of the Committee for Financial Planning of the Department of Civil Engineering
  - Member of Sustainability committee of the Department of Civil Engineering
  - Member of committee of the re-compilation of the European Credit Transfer System (ECTS) 2013
- 2013, 2011, 2009, 2007
  - Representative of the Transport domain for the formulation of Studies Guide of Master studies program of Department of Civil Engineering (University of Thessaly)
- 2009
  - Responsible for the compilation of the European Credit Transfer System (ECTS)
- 2008, 2002 - 2003
  - Responsible for the compilation of Studies Guide 2008

## RESEARCH ACTIVITY

With assignment by academic and research institutions

- Enhancing excellence and innovation capacity in sustainable transport interchanges, ALLIANCE, H2020-TWINN-2015, 1/1/2016-31/12/2018. Scientific responsible.
- New cooperative business models and guidance for sustainable city logistics - NOVELOG", European Commission, HORIZON-2020 Mobility for Growth, 2015-2018. Assigned to University of Thessaly by the European Commission. Project coordinator (proposal phase).
- "I-MOBI VOLOS", Intelligent Urban Mobility Information and Management System Towards Urban Sustainability in the city of Volos, Greece. University of Thessaly Research project, 2013-2015. Budget: €20.000. Project scientific advisor.
- "Open Digital Courses of the University of Thessaly", Operational Programme "Education and Lifelong Programme" 2007-2013. Scientific responsible.
- "City-HUB", Collaborative European Research Project (RTD), CERTH/HIT, 2012-2015. Budget: 116,200 €. *Scientific Responsible.*
- NEAR 2- Network of European Asian Rail Research capacities. European Commission - 7th Framework Programme. 12/1/2012 - 11/30/2014. Budget: €887.007. Senior Researcher.
- TRI-VALUE - Ex-post evaluation of Transport Research and Innovation in the FP7.European Commission - 7th Framework Programme.5/1/2013 - 5/1/2014. Budget: €498.206, 72. Senior Researcher.
- School zones analysis for the 6<sup>th</sup> Elementary School of N. Ionia. Thessaly.
- "Road infrastructure focusing on sound designing and environmental authorization. Emphasis on new European Directives 2008/96/EC, EN1317, 2020/49/EC and 54/2004", Operational program Education and life-long learning 2007-2013, Knowledge Update program for graduate students. Member of the research team.
- "International scientific study on Transport Corridor Management", Lulea Tekniska Universitet, 1/1/2013 – 30/6/2013. Budget: 26,850 €. Scientific Responsible.
- 1st conference on sustainable urban mobility" (14/12/2012)", University of Thessaly, 1/11/2012 – 30/12/2013. Budget: 580 €. Scientific Responsible.
- "TTRANS- Enhancing the transfer of Intelligent Transportation System innovations to the market ", FP7- THEME [TPT.2012.3-2.] - Grant agreement no: 314263, assignment to UTh INTELSPACE Innovation Technologies SA., 3/2013. *Expert Consultant – Evaluator.*
- "HR- Croatia: Technical assistance for Management of IPA/SF Operational Programme - Publication ref EuropeAid/132567/D/SER/HR", assignment to UTh East West Consulting (EWC) sprl, 2-3/2013. *Expert Consultant.*
- "Project-Level Traffic Forecasting Guidelines", University of Hawaii at Manoa, Department of Civil and Environmental Engineering, 2012. Budget: USD 200,000. *Member of the research team.*
- "Promoting driving awareness and safe driving at local level in the cross-border area Greece – Bulgaria – PROMO SAFE DRIVING", European Territorial Cooperation Program Greece – Bulgaria 2007-2013. Assigned by the municipality of Serres. Scientific consultant for the formulation of educational material.
- "STRAtegies and measures for smarter urban freIGHT SOLutions", Collaborative European Research Project (RTD), CERTH/HIT, 2011-2014. Budget: 190,500 €. Scientific Responsible.
- "Connecting LOng and Short-distance networks for Efficient tRansport – Closer", Collaborative European Research Project assigned to the Institute of Transport, Center for Research and Technological Development by the European Commission, 2010-2012. Scientific responsible.
- "Planning and organization of road safety activities", University of Thessaly. Assigned by several organizations. Budget: 12,000 €. Scientific Responsible.
- "Dissemination of CAST - Campaigns and Awareness-raising Strategies in Traffic Safety"



Specific Targeted Research Project (STREP), assigned to the University of Thessaly by the European Commission 2008-2009. Scientific responsible.

- “Evaluation of the Greek Campaign CAST”, in the context of the research project “Campaigns and Awareness-raising Strategies in Traffic Safety” Specific Targeted Research Project (STREP), assigned to the University of Thessaly by the European Commission 2008-2009. Scientific responsible.
- “REVITA- Development of Small and Medium size railway stations into multipurpose local service centres”, INTERREG III B CADSES Programme. Institute of Transport, National Center for Research and Technological Development, 2006 - 2008. Deputy scientific responsible.
- “Management of the transportation of hazardous goods through the tunnels of the National roadway network from Athens to Patras, the underground bypass of Katerini, and the underwater tunnel of Action – Preveza”, Institute of Transportation, National Center for Research and Technological Development. Assigned by the Ministry of Environment and Public Works, Greece, National Highway Funds S.A., 2007 - 2008. Budget: 120,000 €. Deputy scientific responsible.
- “Development of the institutional and administrative rules for the transportation of dangerous goods through roadway tunnels”, Institute of Transportation, National Center for Research and Technological Development. Assigned by the Ministry of Environment and Public Works, Greece, Special Service of Public Works – SERA (concession projects), 2006 – 2007. Budget: 120,000 €. Deputy scientific responsible.
- “Integrated Road Safety Systems, with the application of advanced driver monitoring, warning and information technologies (OSOA – 3P)”, Research reinforcement program (PENED – 2003). Assigned to the University of Thessaly by the General Secretariat for Research and Technology, Ministry of Development, 2005-2008. Budget: 134,000 €. Scientific Responsible.
- “Campaigns and Awareness-raising Strategies in Traffic Safety” Specific Targeted Research Project (STREP). Assigned to the University of Thessaly by the European Commission, 2005-2008. Budget: 602,000 €. Scientific Responsible.
- “Environmental friendly urban freight transport in Kavala”. Assigned to the University of Thessaly by the Institute of Transport, Center of Research and Technological Development, 2005. Budget: 5,000 €. Scientific Responsible.
- “Human network for the advancement and promotion of the road safety”. Assigned to the University of Thessaly by the General Secretariat for Research and Technology, Ministry of Development, 2003-2005. Budget: 18,000 €. Scientific Responsible.
- “Feasibility study for the improvement of the Port of Volos”. Assigned to the University of Thessaly by the Volos Port Authority SA, 2003. Budget: 9000 €. Scientific Responsible.
- “Feasibility study for the improvement of the main pier, the container terminal and the road connection over the Xirias river in the Port of Volos jurisdiction”. Assigned to the University of Thessaly by the Volos Port Authority SA, 2003. Budget: 6,000 €. Scientific Responsible.
- “Feasibility for the establishment of short sea shipping services in Pagasitikos gulf”. Assigned to the University of Thessaly by the Volos Port Authority SA, 2004. Scientific Responsible.
- “Integrated system for the benchmarking of the railway infrastructure”, Institute of Transport. Assigned by the Hellenic Railways, 2003 - 2006. Budget: 170,000 €. Project coordinator.
- “Integrated system for the benchmarking of the passenger services of the Hellenic Railways”, Institute of Transport. Assigned by the Hellenic Railways, 2003 - 2006. Budget: 190,000 €. Project coordinator.
- “Efficient Integration of Cargo Transport Modes & Nodes in CADGES area – IMONODE”, European Initiative Interreg IIIB 2000 – 2006. Institute of Transport (2003 – 2006). Responsible for the analysis and simulation of the freight transport demand and its relation to the socioeconomic development and the development of the freight terminal network.
- “Feasibility study for the construction of railway and port terminal infrastructure in western Greece and the creation of an EU intermodal “gate” in south east Europe”. Institute of Transport, Assigned by Hellenic Railways 2003. Development of alternative transportation infrastructure scenarios for the servicing of western Greece. Passenger and freight flows forecasting. Cost-benefit analysis of the alternative scenarios, valuation of impacts and estimation of financial terms for the feasibility of the investment associated to each scenario.
- “Transportation of dangerous and over-weight cargo, along the Egnatia Axis (Via Egnatia)” Egnatia Odos S.A. (2001-2002). Assigned to the Aristotle University of Thessaloniki. Market and legal framework analysis, technical, operational and economic analysis, development of a risk assessment methodology and system. Technical manager.
- “Development of an urban public transport system at the municipalities of Amintaio, Aetos, Filotas and Lehovo”, Assigned by Florina’s Development Authority to the University of Thessaly (2000-2001). Project responsible.

## Assignment under private law

- “Master plan for the development of the infrastructure and operations of the passenger port of Volos”, Volos Port Authority, Ministry of Maritime (2000). Assigned to Aristotle University of Thessaloniki. Responsible for the transportation master planning (accessibility and parking).
- “Potential market share of the port of Volos and measures for the increase of its productivity and business partner”, Volos Port Authority, Ministry of Maritime (1997). Assigned to Aristotle University of Thessaloniki. Responsible for the transportation modeling (forecasting).
- “Sustainable mobility in the prefecture of Magnesia” (1997). LIFE Program. Development plan for the transportation system, and assessment of its impact to the environment, tourism, and economy of the area. Responsible for the air transportation system.
- “Strategic development and management plan for the air transportation infrastructure of W. Greece and Peloponnisos” (1997). University of Thessaly, Department of Civil Engineers, and Urban planning. National Aviation Authority. Analysis of transportation infrastructure and throughput, travel cost, inventory of equipment and structure. Responsible for the forecast of air and road volumes.
- “Organization of the traffic system of Amintaios” (1996). University of Thessaly, Department of Civil Engineering. Municipality of Amintaios. Member of the research team.
- “Urban planning and development of the 11th department of the Prefecture of Serres” (1997). University of Thessaly, Department of Civil Engineering. 11th department of the Prefecture of Serres. Member of the research team.
- Assignment of 11th Territorial Region of Serres, 1997 Role: Member of the research team.
- “Research for the transportation of hazardous goods in Greece and the role of Hellenic Railways”, (1997). Aristotle University of Thessaloniki, Department of Civil Engineering. Hellenic Railways. Member of the research team.
- “Marketing plan for the Port of Thessaloniki, identification of potential markets, and relevant issues” (1996). Aristotle University of Thessaloniki, Department of Civil Engineering. Port of Thessaloniki. Member of the research team.
- «A Study on Integrated Border Crossing Points Management between Schengen Area and Russia/Belarus». Europeaid, EU — Assistance Projects - World Trade Organization, 2011.
- “Traffic and environmental impact study, including techno-economical assessment of the construction of the Aluminium Tower interchange”. Democracy of Cyprus – Ministry of Transportation and Works. 2008-2009. Assigned to SSE Environment SA / ALA Planning Partnership Ltd. Responsible for the traffic impact analysis.
- “Enhancement of the administrative abilities of the Cyprus Port Authority”, European Commission 2006 – 2008. Assigned to TREDIT SA. Responsible for the development, implementation, monitoring and evaluation of a training program for the Port Authority and its partners.
- “Prediction of congestion and incident in real time for intelligent incident management and emergency traffic management – PRIME”, European Commission, Information Societies Technology (IST) programme (2000-2002). Development and employment of methods for the integrated management of road traffic, congestion, and traffic disruption incidents. Implementation of advanced technologies for detection of emergency situations (incidents and congestion), through video image processing, verification (GPS/GSM/GIS), decision-making (Variable message signs). Role: development, implementation and coordination of the pilot implementation in Greece, organizing the specific interest group activities and the related dissemination events.
- “Thematic evaluation of the transportation development project”, European Commission, DG XVI (1999). Assigned to Oscar Faber, UK. Assessment of the on-going and future Support Framework Program in the European countries, investigation of the degree of completion, allocated and resulted budget. Role: Responsible for the National (Greek) report.
- “Technological priorities in the transport sector”, General Secretariat for Research and Technology, Ministry of Development (1999). Coding, analysis and evaluation of innovative systems applied in transport. Responsible for the traffic and incident management systems.
- “Development of an integrated navigation system for rural networks- IN ARTE” European Commission, DG XIII (1998 – 2000). Driver navigation system, dynamic information systems, used for incident prevention and minimization of travel times. Responsible for the analysis and dynamic vehicle identification system and the development of the expert system implemented for crash prevention.
- “Worldwide emergency telemedicine services - WETS”, DGXIII, Telematics Applications (1998- 2000). Development and coordination of the Greek pilot implementation.
- “Integrated incident management, emergency healthcare and environmental monitoring in road networks - IN-EMERGENCY”, DGXIII, Telematics Application (1998- 2000). Development and coordination of the Greek pilot implementation.
- “System for effective assessment of the driver state and vehicle control in emergency

situations - SAVE”, DGXIII, DRIVE III (1996- 1998). Application of advanced technologies for the monitoring of the drivers’ behavior, notification of the drivers and the surrounding environment, and application of emergency control strategies for accident avoidance.

- “Incident response with on-line innovative sensing - IN-RESPONSE”, DGXIII, DRIVE III (1996 - 1998). Application of new technologies for the incident detection, verification, and response, motorists’ information and traffic management. A pilot implementation is realized in Thessaloniki (ERMIS - emergency response and management information system).
- “Sustainable urban and regional freight flows - SURFF”, GD XIII, Advanced Telematics Applications, DRIVE III (1996 - 1998).
- “Sustainable urban mobility management based on an integrated tool-set - SUMMIT”, SAVE Program, European Union (1995 - 1996). Development of a tool for designing and assessing more-suitable mobility patterns having particular regards to the estimation and achievement of positive energy and environmental impacts.
- “MITHOS, Monitoring of Intermodal Transportation of Hazardous Goods”, DRIVE II, DG XIII, V-2066, 1993-1994.
- “METAFORA, Freight and Fleet Management”, DRIVE II, DG XIII, V2005, 1992-1993.
- “TELAID, Advanced Transport Telematics for the transportation of the disabled persons”, DRIVE II, DGXIII, V1960, 1992-1993.

#### Research collaborations

##### Europe (indicative list):

- Transport and Telecommunications Institute, Riga, Latvia
- Maritime University of Szczecin, Poland
- Newrail, Newcastle University, UK
- ERTICO, Belgium
- POLIS, Belgium
- Panteia BV, The Netherlands
- Venice International University, Italy
- Center for Innovation in Transport, University of Catalonia, CENIT, Spain
- Center for transport and logistics, Iniversita degli study di Roma La Sapienza, Italy
- Fraunhofer IVI, Germany
- Imperial College, UK
- City University London, UK
- Leeds University, UK
- Universidad Politecnica de Madrid, Spain
- Technion, Israel
- Royal Institute of Technology (KTH), Sweden
- University of Antwerp
- TU Delft, The Netherlands
- TU Graz, Austria
- University of Stuttgart, Germany
- University of Luxembourg, Luxembourg
- IFSTTAR, France
- TU Dresden, Germany
- TOI, Norway
- TNO, The Netherlands

##### US-Canada-Australia (indicative list):

- University of Hawaii at Manoa
- University of Miami
- University of California at Berkeley
- University of Florida (Transportation Research Center)
- University of Kentucky
- Rensselaer Polytechnic Institute in Troy, NY
- McMaster University, Institute of Transportation and Logistics (MITL), Hamilto, Ontario, Canada
- VicRoads, Victoria, Australia
- University of Sydney, Institute of Transport and Logistics, Melbourne, Australia

#### STUDY ACTIVITIES

- Transportation studies
- “Feasibility Study for the Development of Intermodal Transport Nodes along the Hellenic Trans-European Transport Network “National freight centres network”, (2002-2003), Ministry of Transport and Telecommunications. Deputy responsible for the study, coordinator for estimating the demand for future freight flows.
  - “Implementation of a Container Terminal Management System”, Ministry of National Economy and Thessaloniki Port Authority (2000). Responsible for the training programme.
  - “Feasibility and viability of the establishment of industrial area of Aspropirgos” (1998). Municipality of Aspropirgos. Project manager.
  - “General transport and traffic study in the Greater Area of Thessaloniki - Stage II” (1997). Bureau of Urban Planning and Environmental Protection of Thessaloniki. Responsible for the sampling of the household survey, the traffic counts, and the traffic forecasting modeling.
  - “Traffic and construction study for the K7 intersection in the vicinity of the elementary school” (1997). Municipality of Oraiokastro. Main traffic engineer.
  - “Traffic and construction study for the pedestrian way and parking lot at Dimokratia str.” (1997). Municipality of Oraiokastro. Main traffic engineer.
  - “Traffic study at the Municipality of Lagada” (1997). Municipality of Lagadas. Main traffic planner.
  - “Urban development and traffic planning for the inter-connection of the old and new developments at the Municipality of Oraiokastro” (1996). Municipality of Oraiokastro. Main traffic planner.
  - “Traffic study at the Old Town” (1996). Municipality of Thessaloniki. Planner.
  - “Parking study at the Municipality of Abelokipoi” (1996), Municipality of Abelokipoi. Planner.
  - “Feasibility study for the railway connection between Domokos and Lianokladi”, General Support for the Hellenic Railways, (1996). Examination of the cost effectiveness of three alternative scenarios for the geometric and operational characteristics of the line, in order for its integration with the upgrade of the Athens - Thessaloniki railway corridor. The study includes traffic forecasts, estimation of socio-economic and environmental impacts, cost-benefit analysis, IRR estimation and multicriteria evaluation of the alternative scenarios. Responsible for feasibility analysis task.
  - “Feasibility study, and preliminary engineering for the roadway corridor between Ormenio - Ferres - Alexandroupoli (Hellenic - Bulgarian border)”, Ministry of Environment, Planning and Public Works. The study includes traffic volume counts, travel demand forecasting, modal split, environmental impacts, and economical analysis. Responsible for feasibility analysis task.
  - “Feasibility study, and preliminary engineering for the roadway corridor between Siatista - Kristallopí (Hellenic - Albanian border)”, Ministry of Environment, Planning and Public Works. The study includes traffic volume counts, travel demand forecasting, modal split, environmental impacts, and economical analysis. Responsible for feasibility analysis task.
  - “Feasibility study for the railway line between Volos and Palaiofarsalos” General Support for the Hellenic Railways, (1995 - today). Investigation of the feasibility for the upgrade of the railway line, including development of alternative infrastructure and operations scenarios, traffic forecasts, estimation of socio-economic and environmental impacts, cost-benefit analysis, IRR estimation and multicriteria evaluation of the alternative scenarios. Responsible for feasibility analysis task.
  - “Improvement of the geometric characteristics of 12 intersections along National Highway 11”, Technical Bureau of the Prefecture of Thessaloniki”, (1994 - 1996). Principal planner.
  - “Collection of geometric and operational data on the roadway and public transport networks - TSA 032” (1996), ATTIKO METRO A.E. Study team.
  - “Environmental Impact Study for the National Airport of Skiathos”, National Aviation Authority, Ministry of Environment, Planning, and Public Works, (1995). Position in the study: Project coordination.
  - “Environmental Impact Study for the National Airport of Ikaria”, National Aviation Authority, Ministry of Environment, Planning, and Public Works, (1995). Position in the study: Project coordination.
  - “Evaluation of the feasibility of the Rio-Antirrio bridge”, initiated by the European Investment Bank and in coordination with GTM International, 1995. Project coordinator: responsible for model development and demand forecasting.
  - “Feasibility study for new air carrier among the Greek isles”, project initiated by the Chamber of Commerce, 1994, for the establishment of a new air carrier in Greece, operated by the Chambers of Greece, 1994-1995. Project coordinator.
  - “Master Plan Study for an Environmentally - friendly Transport System in Budapest”, EEC - PHARE Program, 1993-1995. Assistant coordinator.
  - “Strategic Master Plan for the Transport Infrastructure in Greece - GREECE 2010”, project initiated by the Ministry of Finance, Greece, 1992-1993. Study team: responsible for model

development and demand forecasting.

- "Inspection of the construction of Route 52 East", (1992) CALTRANS, San Diego California. The inspection included right-of-way fence lines, embankments, side slopes, sound walls, and environmental protection. Monitoring team.
- "Feasibility study and design of a 4-lane 12-mile segment on Route 125", (1992) CALTRANS, San Diego California. Planner. "Design of the Route 78 and Route 5 interchange". (1992) CALTRANS, San Diego California. This job included widening of the exit ramp from Route 78 to Route 5, ramp metering, ramp closure, and traffic diversion. Planner.
- "Design of new entrance and exit ramps along Route 78, and ramp metering", (1992). CALTRANS, San Diego California. Planner.
- Planning and design entrances and exits along five miles of a collecting road Route 78, installation of signage, environmental protection, and installation of special asphalt coating, San Diego California, 1992. Role: researcher.
- "Upgrading of Route 36 from a medium flow arterial to a high speed high volume highway", (1991) CALTRANS, San Diego California. This project included right of way acquisition along the corridor to be improved. Planner.
- "Studies involving design of bridge joint seals at various locations", (1991) CALTRANS, San Diego California. Planner.
- "Installation of traffic signal, pedestrian crossing, and wheelchair ramp at the Calle Albara and Route 52 intersection", (1991) CALTRANS, San Diego California. Planner.
- "Coordinated signalization along Route 78". (1991) CALTRANS, San Diego California. Planner.
- "Park-and-ride facilities study", (1991). The project included identification of the location of the facilities in San Diego county and estimation of utilization rates. CALTRANS, San Diego California. Planner.
- "Left-turn pockets design along Orange Blvd", (1991) CALTRANS, San Diego California. Planner.
- "Chip seal overlay and realignment of the traffic lanes on Jamacha Rd", (1991) CALTRANS, San Diego California. Planner.
- "Expressway maintenance plans and asphalt replacement", (1991) CALTRANS, San Diego California. Planner.
- "Trip Characteristics of the agglomeration of Thessaloniki", (1987-88). Aristotle University of Thessaloniki, Department of Civil Engineering, Transportation Engineering Laboratory. Ministry of Environment, and Public Works. Team coordinator.

## PUBLICATIONS

### Theses – Dissertations

- Nathanail Eftihia, "Support system for the selection of the optimum strategy for the management of road incidents", Ph.D. Thesis, Department of Civil Engineering, Aristotle University of Thessaloniki, July 1996.
- Nathanail T., "Freeway Incident Delay Minimization Through the Optimum Deployment of Emergency Response Units", Master Thesis, Department of Civil and Architectural Engineering, University of Miami, Coral Gables, FL, August 1991.
- Nathanail T., "Optimization of the fare policy in the Mass Transit Organizations, through the application of FWFARE", Bachelor Thesis, Department of Civil Engineering, University of Thessaloniki, Thessaloniki, January 1988.

### Publications in scientific journals

- Nathanail E., Adamos G., Tsami M., (to appear). "Green urban interchanges: Stakeholder and users' perspectives. Special Issue of the Fresenius Environmental Bulletin Journal.
- Adamos Giannis & Eftihia Nathanail, (to appear). "A before-after study on the impact of a road safety training program on professional drivers". International Journal of Transportation: Special issue on road safety in Europe, SERSC.
- Nathanail Eftihia, Michail Gogas, Giannis Adamos, (to appear). Urban freight terminals: A sustainability cross-case analysis. *Procedia - Social and Behavioral Sciences*.
- Mitropoulos, L., Adamos, G., Nathanail, E., Yatskiv, I. & Kabashkin, 2017. "Building on European scientific excellence to develop an educational program on intermodal connections for Latvia and the region". In press *Transport Journal*.
- Adamos Giannis & Eftihia Nathanail, 2016. "Predicting the effectiveness of road safety campaigns through alternative research designs". *Journal of Safety Research*, Volume 59, December 2016, Pages 83-95, Elsevier. DOI: 10.2016/j.j.sr.2016.10.003.
- K. Papoutsis, E. Nathanail, 2016. Facilitating the Selection of City Logistics Measures through a Concrete Measures Package: A Generic Approach *Transportation Research Procedia* 12, 679-691

- Irina Pticina, Eftihia Nathanail, Sergey Kibish. Software solution for planning and conducting a transport survey, *Procedia Computer Science* 77 (2015) 240 – 248.
- Adamos Giannis & Eftihia Nathanail, (2015). "How to train safe drivers: Setting up and evaluating a fatigue training program". *Transport and Telecommunication Journal*. Volume 16, Issue 1, Pages 9–20, ISSN (Online) 1407-6179, DOI: 10.1515/ttj-2015-0002, February 2015.
- K. Papoutsis, M. Gogas, E. Nathanail (2015). Market uptake of ICT usage in supply chains. *International Journal of Transport Economics*, Special Issue.
- M. Gogas, K. Papoutsis and E. Nathanail (2014). Optimization of Decision-Making in port logistics terminals: using Analytic Hierarchy Process for the case of port of Thessaloniki. *Transport and Telecommunication*, 2014, volume 15, no. 4, 255–268.
- E. Nathanail, M. Gogas, and K. Papoutsis (2014). Investigation of stakeholders' view towards the introduction of ICT in supply chain using Analytic Hierarchy Process. *Journal of Traffic and Logistics Engineering*, Vol. 2, No. 2, pp. 113-119, June 2014.
- Adamos Giannis, Eftihia Nathanail & Paraskevi Kapetanopoulou (2014). "Cluster modeling of driving behavior under fatigue". *Transportation Research Record: Journal of the Transportation Research Board*, Issue Number: 2465, Publisher: Transportation Research Board, ISSN: 0361-1981, pp 24–32.
- Eftihia Nathanail & Giannis Adamos, Paraskevi Kapetanopoulou & Ermioni Efrimidou (2014). "Does talking with a fellow passenger affect everybody the same while driving? An impact assessment on driving performance and behavior". *Advances in Transportation Studies an international Journal* 2014 Special Issue, Vol. 1, pp. 77-86.
- Nathanail, E. (2014). "Framework for Monitoring and Assessing Performance Quality of Railway Network Infrastructure: Hellenic Railways Case Study." *J. Infrastruct. Syst.*, 20(4), 04014019.
- Nathanail Eftihia & Adamos Giannis (2013). "Planning and financing schemes linked to the decision-making for the interconnection of long-short distance transport". *Transport and Telecommunication*. Volume 14, Issue 1, Pages 20–28, ISSN (Online) 1407-6179, ISSN (Print) 1407-6160, DOI: 10.2478/ttj-2013-000, February 2013.
- Nathanail Eftihia & Adamos Giannis (2013). "Road safety communication campaigns: Research designs and behavioral modelling. *Transportation Research Part F: Traffic Psychology and Behaviour*, Volume 18, May 2013, Pages 107–122.
- Adamos Giannis, Nathanail, E. & Kapetanopoulou, P., (2013). "Do road safety campaigns work? How to assess the impact of a national fatigue campaign on driving behavior", *Transportation Research Record: Journal of the Transportation Research Board*, Issue Number: 2364, Publisher: Transportation Research Board, ISSN: 0361-1981, pp 62–70.
- Nathanail Eftihia, Papoutsis Konstantinos (2013), *Towards a Sustainable Urban Freight Transport and Urban Distribution*, *Journal of Traffic and Logistics Engineering*, Vol, 1, No. 1 June 2013.
- Giannis Adamos, Eftihia Nathanail, Paraskevi Kapetanopoulou (2012), "Does the theme of a road safety communication campaign affect its success?", *Transport and Telecommunication*, 2012, Volume 13, No 4, 294–302, ISSN (Online) 1407-6179, ISSN (Print) 1407-6160, DOI: 10.2478/v10244-012-0025-5, December 2012.
- Adamos, G., Nathanail E., Zaharaki E., (2012), "Developing a Decision-Making Framework for collaborative practices in long-short distance transport interconnection", in *Procedia – Social and Behavioral Sciences*, Volume 48, 2012, pages 2849-2859.
- Nathanail E.G., S. Zaharis, N. Vagiokas, P. D. Prevedourous, (2010), "Risk assessment for the transportation of hazardous materials through tunnels", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2162, Transportation Research Board of the National Academies, Washington, D.C., 2010, pp. 98–106.
- Nathanail E., 2008, "Measuring the quality of service for passengers on the Hellenic Railways", *Transportation Research Part A: Policy and Practice*, Elsevier. Volume 42, Issue 1, January 2008, Pages 48–66.
- Nathanail E., 2008, "Routing of dangerous goods through the implementation of a risk assessment methodology", *Transition Studies Review*, issue 48.
- Nathanail E., 2007, "Developing an integrated logistics terminal network in the CADSES area", *Transition Studies Review*, May 2007, Volume 14, Issue 1, pp 125-146.
- Nathanail T., and K. Zografos, «Simulation Tool for Evaluating the Effectiveness of Freeway Incident Response Operations», *Transportation Research Record: Journal of the Transportation Research Board*, No 1485, 2162, Transportation Research Board of the National Academies, Washington, D.C., 1995, pp 105-111.
- Zografos, K., Nathanail, T., and Michalopoulos, P. (1993). "Analytical Framework for Minimizing Freeway-Incident Response Time." *J. Transp. Eng.*, 119(4), 535–549.

## Conferences proceedings with peer review

- Giannis Adamos & Eftihia Nathanail, 2017. "Training professional drivers towards complying with safety standards: a naturalistic study". Transportation Research Board (TRB) 96<sup>th</sup> Annual Meeting, Washington, D.C., USA, January 8-12, 2017.
- Lambros Mitropoulos, Giannis Adamos, Eftihia Nathanail, Irina Yatskiv (Jackiva) & Igor Kabashkin, 2017. "Developing an educational program for transportation across regions: the case for intermodal connections for Latvia and the region". Transportation Research Board (TRB) 96<sup>th</sup> Annual Meeting, Washington, D.C., USA, January 8-12, 2017.
- Eftihia Nathanail, Panagiotis Kouros, Pantelis Kopelias, 2016. "Traffic volume responsive incident detection". World Conference on Transport Research – WCTR, Shanghai, July 2016.
- Eftihia Nathanail, Michael Gogas & Giannis Adamos, 2016. "Smart interconnections and urban freight transport towards achieving sustainable city logistics". Transport Research Arena 2016, Warsaw, Poland, April, 18-21, 2016.
- Eftihia Nathanail, Giannis Adamos & Michael Gogas, 2016. "A novel framework for assessing sustainable urban logistics. 14<sup>th</sup> World Conference on Transport Research, Shanghai, China, July, 10-15, 2016.
- Eftihia Nathanail, Michael Gogas & Giannis Adamos, 2016. "Assessing the performance of intermodal city logistics terminals in Thessaloniki". 3<sup>rd</sup> Conference on Sustainable Urban Mobility, 26-27 May 2016, Volos, Greece.
- Eftihia Nathanail, Michael Gogas & Giannis Adamos, 2016. "Urban freight terminals: A sustainability cross-case analysis". 2<sup>nd</sup> International Conference Green Cities 2016: Green Logistics for Greener Cities, 02-03 March 2016, Szczecin, Poland.
- Eftihia Nathanail, Michalis Gkogkas, Konstantinos Papoutsis, 2015. "Multi-stakeholder Assessment of Smart Solution in Urban-Interurban Freight Transportation Interfaces". 7th Conference on Transportation Research in Greece (ICTR2015). Hellenic Institute of Transportation Engineers (S.E.S) and Institute of Sustainable Mobility and Transport Networks (HIT.), Athens, 5 and November 6, 2015.
- Giannis Adamos, Maria Tsami and Eftihia Nathanail, 2015. "Urban interchanges: Moving towards a seamless transportation solution". 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference. Mykonos Island, Greece, June 14-18, 2015.
- Konstantinos Papoutsis, Eftihia Nathanail, 2015. "Facilitating the selection of city logistics through a concrete measures package: A generic approach". 9<sup>th</sup> International Conference on City Logistics, Tenerife, Spain, June 2015.
- Maria Tsami, Giannis Adamos & Eftihia Nathanail, 2015. "Transport Interchange Design: Analyzing the case of the New Railway Station of Thessaloniki". International Conference on Changing Cities II. Spatial, Design, Landscape & Socio-economic dimensions, Porto Heli, Peloponnese, June, 22-26, 2015.
- Giannis Adamos & Eftihia Nathanail, 2015. "Assessing the impact of a fatigue training program on driving behavior". 6th pan-Hellenic Conference on Road Safety, Athens, Greece, March, 12-13, 2015.
- G. Adamos & E. Nathanail, 2015. "Comparison of Experimental, Quasi-experimental, and Nonexperimental Designs When Predicting Effectiveness of Road Safety Campaigns", Transportation Research Board 94th Annual Meeting, Washington, D.C., January 11-15, 2015
- George A. Giannopoulos, Maria T. Tsami & Eftihia G. Nathanail, "Defining Common Goals For Future Intermodal Mobility", Transportation Research Board 94th Annual Meeting, Washington, D.C., January 11-15, 2015
- Maria Tsami, Eftihia Nathanail, 2014. "Examining Travelers "Optimal Strategies" in Transit trip Choices, applying a Classification Tree Approach on Transit Quality of Service Indicators". OPT-i: International Conference on Engineering and Applied Sciences Optimization. Kos Island, Greece, 4-6 June 2014.
- Michael Gogas, Eftihia Nathanail, 2014. "Multilevel multicriteria design of intermodal transport freight center networks". OPT-i: International Conference on Engineering and Applied Sciences Optimization. Kos Island, Greece, 4-6 June 2014.
- P Kottas, EG Nathanail, PD Prevedouros, Experiments with 2 and 3-Dimensional Detection Algorithms Preliminary to Driver Drowsiness Monitoring, Transportation Research Board 93rd Annual Meeting.
- Maria Tsami, Eftihia Nathanail 2014. "A decision tree application in transit quality of service in the city of Volos". 2nd Conference of Sustainable Urban Mobility, 05-06 May 2014, Volos, Greece.
- L. Papafoti, K. Papoutsis and E. Nathanail (2014). Environmental impact assessment of urban public transport systems: a scenario study for the northwest part of city of Volos. 2nd Conference on sustainable urban mobility, May, 5-6, 2014. Volos, Greece.
- Giannis Adamos, Eftihia Nathanail & Maria Tsami, 2014. "Designing sustainable urban

transport interchanges". 2nd Conference of Sustainable Urban Mobility, 05-06 May 2014, Volos, Greece.

- Sofia Charalampidou & Eftihia Nathanail, 2014. "Prioritization of smart mobility solutions in the city of Volos". 2nd Conference of Sustainable Urban Mobility, 05-06 May 2014, Volos, Greece.
- Maria Tsami, Giannis Adamos, Eftihia Nathanail, 2014. "Designing women friendly transport interchanges". Accepted for paper preparation and submission at the 5th International Conference on Women's Issues in Transportation - Bridging the Gap, 14-16 Apr 2014 Paris - La Défense (France).
- Maria Tsami, Eftihia Nathanail, 2014. "Opening ground to female transit movements. Women's vs operator's perspective in transit quality of service". Accepted for paper preparation and submission at the 5th International Conference on Women's Issues in Transportation - Bridging the Gap, 14-16 Apr 2014 Paris - La Défense (France).
- Michael Gogas, Konstantinos Papoutsis, Eftihia G. Nathanail, 2014. "Urban logistics: assessing the market uptake of innovative technologies". Transport Research Arena (TRA 2014), April 14-17, 2014, Paris-la-Defense (France).
- Giannis Adamos & Eftihia Nathanail, 2014. "Is car pooling parents' choice for their children transportation to and from school?". Submitted at the Transport Research Arena (TRA 2014), April 14-17, 2014, Paris-la-Defense (France).
- Eftihia Nathanail & Giannis Adamos, 2014. "Associating risk-taking driving with risk index of urban road intersections". Submitted at the Transport Research Arena (TRA 2014), April 14-17, 2014, Paris-la-Defense (France).
- Adamos Giannis, Nathanail, E. & Kapetanopoulou, P., (2013). "Do road safety campaigns work? How to assess the impact of a national fatigue campaign on driving behavior", Paper 13-4152, 92nd Annual Meeting of TRB, Washington, D.C.,
- Eftihia Nathanail & Giannis Adamos, 2013. "Assessing the impact of information provision to driving behavior". Road Safety and Simulation International Conference (RSS2013), Rome, Italy, October 22-25, 2013.
- Eftihia Nathanail & Giannis Adamos, Paraskevi Kapetanopoulou & Ermioni Efrimidou, 2013. "Does talking with a fellow passenger affect everybody the same while driving? An impact assessment on driving performance and behavior". Road Safety and Simulation International Conference (RSS2013), Rome, Italy, October 22-25, 2013.
- Michael Gogas, Konstantinos Papoutsis, Eftihia Nathanail, 2013. Methodological framework for the assessment of monitoring and information systems in urban distribution. Accepted for presentation and publication in the proceedings of 6th conference for transport research in Greece (ICTR 2013).Thessaloniki, 17 & 18 October, 2013.
- Konstantinos Papoutsis, Michael Gogas, Eftihia Nathanail, 2013. "Market uptake of ICT usage for enhanced visibility on supply chain", European Transport Conference, 30 September 2013 — 02 October 2013, Frankfurt, Germany.
- Maria Tsami, Giannis Adamos, Eftihia Nathanail, 2013. "Sustainable development design for the transformation of the Thessaloniki Railway Station into a city hub", European Transport Conference, 30 September 2013 — 02 October 2013, Frankfurt, Germany.
- Maria Tsami, Eftihia Nathanail, 2013. "A contribution of identifying how the gap between travellers' perceptions and transit operators' planning affect travel choices", 2nd Symposium of the European Association for Research in Transportation, Stockholm 4-6 September 2013.
- Maria Tsami, Giannis Adamos & Eftihia Nathanail, 2013. "Moving towards the development of sustainable transportation hubs in Europe: Investigating the role of soft modes in Thessaloniki railway station reformation", 4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2013) & SECOTOX Conference, Mykonos Island, Greece, June 24-27, 2013.
- M. Tsami, K. Papoutsis, M. Gogas, E. Nathanail, 2013. "Integrating spatial development planning of border-crossing points (BCPs): cross-case analysis between the case of Schengen and Russia - Belarus and the case of USA and Canada". 4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2013) & SECOTOX Conference, Mykonos Island, Greece, June 24-27, 2013.
- Maria Tsami, Eftihia Nathanail & Giannis Adamos, 2013. "Designing urban transport interchanges: The case of Thessaloniki railway station". International Conference on "Changing Cities": Spatial, morphological, formal & socio-economic dimensions. Skiathos Island, Greece, June 18-21 2013.
- Giannis Adamos & Eftihia Nathanail, (2013), "Recommendations on the development and implementation of a coherent decision-making process in the short-long transport interconnection". 13th World Conference on Transport Research, Rio de Janeiro, Brazil, July 15-18, 2013.
- Eftihia Nathanail & Giannis Adamos, (2013), "Safety system guidelines for car-pooling. 13th



- World Conference on Transport Research, Rio de Janeiro, Brazil, July 15-18, 2013.
- Eftihia Nathanail, Konstantinos Papoutsis (2013), "Towards a sustainable urban freight transport and urban distribution", 2012 International Conference on Traffic and Transportation Engineering (ICTTE 2013), Malé, Maldives, February 2-3, 2013.
  - Ioannis Adamos, Eftihia Nathanail, Christina Zacharouli, Christina-Stamatina Nima, Savvas Parastratidis (2012), "Development of a driving profile within the circumstances of using mobile phones for the risk estimation", 5th national conference on road safety, Volos, Greece, 11-12 October 2012.
  - Ermioni Efraimidou, Eftihia Nathanail, Ioannis Adamos, Paraskevi Kapetanapoulou (2012), "Investigation of influence of conversation on driving behavior", 5th national conference on road safety, Volos, Greece, 11-12 October 2012.
  - Eftihia G. Nathanail, Michael A. Gogas (2012), INTEGRATED CARGO TRACKING AND WAREHOUSE MANAGEMENT SYSTEM, 25th ARRB Conference, Perth, Australia, September 2012.
  - Papoutsis Konstantinos, Nathanail Eftihia (2012), "Urban distribution concepts: a SWOT analysis on best practices of urban logistics solutions", 2nd International Conference on Supply Chains, Katerini, Greece, October 5-6, 2012.
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## 1. Deliverable D5.5, ALLIANCE Project.

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- Eftihia Nathanail, Giannis Adamos, Lambros Mitropoulos, Michael Gogas, Ioannis Karakikes, Stanisław Iwan, Maja Kiba-Janiak, (2016), Integrated assessment framework for UFT solutions, Deliverable D3.1., NOVELOG project, H2020 Mobility for Growth.
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- Monzón, A., Di Ciommo, F., Hernández, S., Nathanail, E., Adamos, G., Tsami, M., Poppeliers, R., Heddebaout, O., Jarvi, T., Nokkala, M., Kostianen, J., Palmer, D., Harmer, C., Millard, K., Andersen, J., Christiansen, P., Gabor, A., Pusztai, A., Virag, A., Spousta, J., 2015. "City-HUB Handbook". Deliverable D5.2, City-HUB Project.
- Nathanail, E., Adamos, G. & Tsami, M., 2015. "Dissemination material V". Deliverable D8.7, City-HUB Project.
- Nathanail, E., Adamos, G. & Tsami, M., 201. "Report on conference presentations and publications II". Deliverable D8.9, City-HUB Project.
- Nathanail, E., Adamos, G. & Tsami, M., 2014. "Dissemination material IV". Deliverable D8.6, City-HUB Project.
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- Allen, H. Harmer, C. Millard, K. and Palmer, D. Monzon, A. Hernandez, S. DiCommo, F. de Oña, R. Nathanail, E. and Adamos, G., 2013. Guide for Smart and Efficient Design. Deliverable D3.2, City-HUB Project.
- Nathanail, E., Adamos, G. & Tsami, M., 2013. "Dissemination material II". Deliverable D8.4, City-HUB Project.
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- Nathanail, E., Adamos, G. & Tsami, M., 2012. "Dissemination Plan". Deliverable D8.1, City-HUB Project.
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- Nathanail E., Papoutsis K., Gogas M. and Adamos G., 2013. "Terminal Management Case Project" in Eckhardt, J. (ed.) "Transport Corridor Management Structure", International scientific study on Transport Corridor Management as part of the project Bothnian Green Logistics Corridor.
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- Nathanail E., Gogas M., Papoutsis K., and Adamos G., 2012. Case study: Constantza Port, Romania. In: Christiansen P., Johansen B.G., Andersen J. and Eidhammer O.: Case studies: Results and synthesis. Deliverable 5.2 CLOSER, Annex A. Detailed case reports, 47 p.
- Nathanail, E. & Adamos, G. (Eds), 2012. "Policy Advisory Group recommendations". Deliverable D4.2. CLOSER Project.
- Eftihia Nathanail, Giannis Adamos (Eds.), Laura Parra, Eva Ruiz-Ayucar, Alain L"Hostis, Corinne Blanquart, Silvia Olsen, Petter Christiansen, Oddgeir Osland, Tuuli Järvi, Zuzana Svedova and Bladimir Zan, 2011. "Analysis of the Decision-Making framework". Deliverable 4.1 CLOSER Project.
- Ingrid Nagel, Eftihia Nathanail, Giannis Adamos, Jon Martin Denstadli, Olav Eidhammer,



Jardar Andersen, 2011. "Emerging Mobility Schemes – Final Report". Deliverable D2.2, CLOSER Project.

- Andersen J., Eidhammer O., Osland, O., Parra L. and Adamos G., 2010. "Interconnections between short and long-distance transport networks: Structure of interface and existing indicators". Deliverable 3.1. CLOSER Project.
  - De Dobbeleer, W., Nathanail, E. & Adamos, G., 2009. "Pan-European Road Safety Campaign: Final Report: Campaign Design". Deliverable 5.3, CAST Project.
  - Adamos, G., Ausserer, K., Brijs, K., Brijs, T., Daniels, S., Divjak, M., Forward, S., Haupt, J., Kazemi, A., Krol, B., Malasek, J., Nathanail, T., Risser, R., Tamis, K. & Zabukovec, V., 2009. "Results of the evaluation of campaigns and relevant findings to validate the tools in WP2". Deliverable 4.2, CAST Project.
  - Patricia Delhomme, Werner De Dobbeleer, Sonja Forward, Anabela Simões, Giannis Adamos, Alain Areal, Julien Chappé, Chloe Eyssartier, Peter Loukopoulos, Teti Nathanail, Suzanne Nordbakke, Heiko Peters, Ross Phillips, Maria Pinto, Marie-Frédérique Ranucci, Gian Marco Sardi, Jose Trigoso, Truls Vaa, Knut Veisten & Esther Walter, 2009. "Manual for Designing, Implementing, and Evaluating Road Safety Communication Campaigns – Part I". Deliverable D3.2a, CAST Project.
  - Patricia Delhomme, Werner De Dobbeleer, Sonja Forward, Anabela Simões, Giannis Adamos, Alain Areal, Julien Chappé, Chloe Eyssartier, Peter Loukopoulos, Teti Nathanail, Suzanne Nordbakke, Heiko Peters, Ross Phillips, Maria Pinto, Marie-Frédérique Ranucci, Gian Marco Sardi, Jose Trigoso, Truls Vaa, Knut Veisten & Esther Walter, 2009. "Manual for Designing, Implementing, and Evaluating Road Safety Communication Campaigns – Part II". Deliverable D3.2b, CAST Project.
  - Truls Vaa, Ross Phillips (eds), Giannis Adamos, Alain Areal, Karin Ausserer, Patricia Delhomme, Marko Divjak, Werner de Dobbeleer, Sonja Forward, Barbara Krol, Annette Meng, Inger Synnøve Moan, Teti Nathanail, Ewald Pohlmeier, Gian Marco Sardi, Paul Schepers, Eva Sedá, Pål Ulleberg & Esther Walter, 2009. "Effects of Road Safety Campaigns". Deliverable D1.3, CAST Project.
- Honours and awards
- Award for the sustainable development in World Road Association Prize Competition 2011, Mexico World Road Congress, for the scientific paper: Mitropoulos, Prevedouros, Nathanail, (2011), Life-Cycle Assessment through a comprehensive sustainability framework: A case study of urban transportation vehicles, XXIVth World Road Congress in Mexico City, 26-30 September 2011.

## PARTICIPATION IN ACTIONS

### Participation in scientific and professional associations

- Member of the Institute of Transportation Engineers (ITE)
- Member of the American Society of Civil Engineers (ASCE)
- Member of the Association of Transportation Engineers of Greece
- Member of the Association of Surveying Engineers of Greece
- Member of the Association of Surveying Engineers of Northern Greece
- Member of the Technical Chamber of Greece
- Alumni Association - University of Miami, Florida
- Alumni Association - Anatolia College, Thessaloniki, Greece

### Committees / Representations

- Dangerous Goods Expert to the Transport Group Inland Surface Transport for a 3 year term, NATO
- National representative: TUD COST Action TU1305: Social networks and travel behavior", European Cooperation in Science and Technology – COST, supported by the EU RTD Framework Programme, 2014-2018.
- Member of Advisory board in project "Mitigation measures and good practice to reduce human fatalities and disruption of services resulting from suicides and trespasses on railways property-RESTRAIL", European Commission, 7th Framework Programme, 2011-2014.
- Member of evaluation committee in ECOMOBILITY campaign 2011-2012, organization ECOCITY.
- Tutor at Young Researchers Seminar 2011, Copenhagen, Denmark, ECTRI, FERSI, FEHRL.
- National representative COST-TU1004: Modelling public transport passenger flows in the era of intelligent transport systems, European Commission 2011-2015.
- Committee of dangerous cargoes transport (AT040) of the Transportation Research Board, 2009-until now.
- Scientific Board of the Transport Institute, Center for Research and Technological Development (HIT - CERTH) 2008-2015.

**Organizational and Scientific Committees**

- Chair of the Organizing Committee for the 3rd Conference of Sustainable Urban Mobility, Volos, 26-27 May 2015.
- Scientific Committee 2<sup>nd</sup> International Conference “Green Cities 2016 – Green Logistics for Greener Cities, Szczecin, Poland
- Member of the Scientific Committee of RELSTAT 2015.
- Organizer of the i-MOBI Volos FORA Event, Volos, September 2015.
- Organizer of the 1<sup>st</sup> City-HUB Project FORA Event– Meeting with Local Stakeholders, Volos 5 May 2014.
- Chair of the Organizing Committee for the 2nd Conference of Sustainable Urban Mobility, Volos, 5-6 May 2014.
- Coordinator of task force for corridors management structures, Green transport corridor management workshop 23.4.2013, Örebro, Sweden.
- Co-organizer of the workshop “Identifying key intermodality factors for interchanges”, and coordinator of City-HUB project focus groups, CERTH/HIT, Budapest, Hungary, 21/3/2013.
- Organizer of the workshop «Intelligent systems for the interconnection of urban-interurban freight transport”, Centre for Research and Technology Hellas, 13/9/2012.
- Organizing committee of the 1st conference on sustainable urban mobility, Association of Civil Engineers of Magnesia, TCG and UTH, Volos, 14/12/2012.
- Co-organization «Final CAST Conference”, 6th Framework Programme, Brussels, January 26-27/1/2009.
- Workshop organization «Development of small and medium size railway stations in Central and Eastern Europe into multipurpose local service centers”, CERTH, Athens, 20/5/2008.
- Chair of organizing committee for road safety workshop “Implementation of public awareness campaigns for the improvement of road safety level” University of Thessaly and Magnesia branch of Technical Chamber of Greece (TCG), Volos, May, 2009.
- Chair of organizing committee for the road safety workshop, Transport Engineering Laboratory, University of Thessaly, Volos, May, 2008.
- Monitoring committee of 6th Framework Program “Railways, Airports, Urban Transport”, Ministry of Transport and Communications (2000-2006).
- Task force for Transport theme of ‘Technological Perspective Broadening’ of General Secretariat for Research and Technology (2002-2003).
- Expert Group for the thematic network ROSEBUD (Road Safety and Environmental Benefit-cost and cost effectiveness analysis for Use in Decision Making), European Commission (2002-2004).
- Scientific committee of “3rd national highway engineering” (2011).
- Scientific committee of 1st (2002), 2nd (2004), 3rd (2006), 4th (2008) and 5th (2010) international conference on “transport research in Greece”.
- Organizing committee of 1st (2002, chair), 2nd (2004, chair), 3rd (2006, chair) and 5th (2010) international conference on “transport research in Greece”.
- Scientific committee of the 2nd international conference “Rail transportation development” (2005)
- Scientific committee of the 2nd (1998), 3rd (2005) and 5th (2012) “National conference on Road Safety”. Organizing committee of the 2nd (vice-chair) (1998) and 5th (2012) “National conference on Road Safety”.
- Member of the Scientific Committee of 2nd international conference “Rail transportation development” Athens, December 2005.
- Organizing committee of the workshop “The role of Civil Engineer in Greece – Future Perspectives within new trends”, Department of Civil Engineering, University of Thessaly, Volos, 2003.
- Chair of the Hellenic Institute of Transportation Engineers, 2002-2004.
- Vice-chair of the Hellenic Institute of Transportation Engineers, 2000-2002.
- Organizer of the Workshop «Intelligent systems for the interconnection of urban-interurban freight transport», Hellenic Institute of Transport, Thessaloniki September 13, 2012.

**Reviewer in journals and conferences****Journals**

- Transportation Research Record
- Transportation Research Part A (Elsevier)
- Transportation Research Part D (Elsevier)
- European Journal of Transport and Infrastructure Research
- International Journal of Sustainable Transportation
- Journal of Transport and Telecommunications

- Public Transport
- European Journal of Transport and Infrastructure research
- Transportation Research Review
- International Journal of Sustainable Transportation
- Fresenius Environmental Bulletin
- Advances in Transportation Studies

### Conferences

- Green Cities, 2016
  - Transport Research Arena (TRA) (2011-2016)
  - International Conference on Transportation Research (ICTR) (from 1st to current)
  - Annual Meeting of TRB (since 2009)
  - International Conference on Road Safety and Simulation (since 2009)
  - 13th WCTR
  - RelStat (since 2014)
  - International Conference on Road Safety and Simulation (since the 3<sup>rd</sup> conference)
  - International Conference protection and restoration of the environment (since the 12<sup>th</sup> conference)
- Invited speeches
- Capturing the user experience into transport project design, MIND-sets Expert Workshop New transport technologies, different human behaviour, October 29-30, 2015. Barcelona.
  - Transportation Interchanges as a Key component of Sustainable Urban Mobility The European Experience, RelStat2015, October 21-24 2015, Riga, Latvia.
  - Impact assessment of ITS for urban freight transport, ITS Next: the final event of SEE-ITS, September 22-23, 2014. Thessaloniki.