






PERSONAL INFORMATION



Eftihia G. Nathanail

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- Sex** Female
- Nationality** Greek

CURRENT POSITION

- Professor, Department of Civil Engineering, University of Thessaly
- Dean of the School of Engineering
- Director of TTLog (Traffic, Transportation and Logistics Laboratory)
- Vice-director of the Graduate Program "Prevention, management and restoration of the impacts of natural disasters and climate change in the built environment"

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 TRAINING

- 2019
 - Transitioning from Face-to-Face to Online Teaching, Center for Teaching Excellence, University of Hawaii, Mānoa Campus, April 4, 2019
- 2018
 - Open Educational Resources (OER) Workshops: Introduction to OER, Copyright & Intellectual Property, OER Adaptation and Publishing, Center for Teaching Excellence, University of Hawaii, Mānoa Campus, September 13, 20, 27, 2018
- 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)

ACQUIRED 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, PROMETHEE
- 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

SPECIALIZATION

- Specialization towards the cognitive domains
- Freeway incident management / Operations research
 - Transportation planning
 - Optimization and assessment
 - Systems design and impact analysis
 - Risk assessment
 - Hazardous materials transportation
 - Driver and traveler behavioral modeling
 - Dynamic traffic simulation systems
 - Intelligent transportation systems (traffic monitoring, motorist information systems, routing, navigation)
 - Intermodal transportation
 - Freight transportation and logistics
 - Decision making
- Engineering qualification
- Transportation Engineering license category C' (valid till 2023)
 - Surveying Engineering license category A' (valid till 2023)

ACADEMIC EXPERIENCE

- 2023 - present
- Professor of Design and Evaluation of Passenger and Freight Transportation Systems, Department of Civil Engineering, University of Thessaly
 - Dean of the School of Engineering
 - Director of TTLLog (Traffic, Transportation and Logistics Laboratory)
- 2022 - 2023
- Professor of Design and Evaluation of Passenger and Freight Transportation Systems, Department of Civil Engineering, University of Thessaly
 - Vice chair of Civil Engineering Department
 - Director of TTLLog (Traffic, Transportation and Logistics Laboratory)
- 2021 - 2022
- Professor of Design and Evaluation of Passenger and Freight Transportation Systems, Department of Civil Engineering, University of Thessaly
 - Chair of Transportation, Infrastructure and Environmental Management Division
 - Director of TTLLog (Traffic, Transportation and Logistics Laboratory)
- 2018 - 2019
- Alfred Yee Visiting professor (I2MO9), Department of Civil and Environmental Engineering, University of Hawaii at Manoa, Honolulu, HI
- 2016 - 2020
- Associate professor "Design and evaluation of passenger and freight transportation systems", Department of Civil Engineering, University of Thessaly
 - Director of TTLLog (Traffic, Transportation and Logistics Laboratory)
- 2008 - 2016
- Assistant professor "Transportation systems design and evaluation", Department of Civil Engineering, University of Thessaly
 - Director of TTLLog (Traffic, Transportation and Logistics Laboratory)
- 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

2020 - Professor

University of Thessaly, Department of Civil Engineering

- 2020-2021, 2021-2022, 2022-2023, 2023-2024: "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.
- 2020-2021, 2021-2022, 2022-2023, 2023-2024: "Design and evaluation of transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2020-2021, 2021-2022, 2022-2023, 2023-2024: "Road safety", 7th (10th till 2018) semester, Department of Civil Engineering, University of Thessaly.
- 2020-2021, 2021-2022: "Transportation planning", 5th semester, Department of Civil Engineering, University of Thessaly.

INVEST-European University Alliance

- 2022, "Social Innovation and Sustainable Regional Development", Summer School Ensuring Quality of Public Services in Sustainable Regional Development", Plovdiv, Bulgaria, 29/5-4/5/2022.

Transport and Telecommunication Institute

- 2020-2021, 2021-2022, 2022-2023: Graduate Program of Transport and Telecommunication Institute, Riga, Latvia, Decision making methodologies

2018 – 2019 Visiting Professor

University of Hawaii Manoa, Department of Civil Engineering, Honolulu, HI, USA

- Fall 2018-2019: "Freight transportation and logistics" (Graduate course), Department of Civil Engineering, University of Hawaii Manoa.
- Fall & Spring 2018-2019: "Urban and Regional Transportation Planning" (Undergraduate course), Department of Civil Engineering, University of Hawaii Manoa.

2016 – 2020 Associate Professor

University of Thessaly, Department of Civil Engineering

- 2016-2017, 2017-2018, 2019-2020: "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.
- 2016-2017, 2017-2018, 2019-2020: "Design and evaluation of transportation systems", 8th semester, Department of Civil Engineering, University of Thessaly.
- 2016-2017, 2017-2018, 2019-2020: "Road safety", 7th (10th till 2018) semester, Department of Civil Engineering, University of Thessaly.
- 2016-2017, 2017-2018, 2019-2020: "Transportation planning", 5th semester, Department of Civil Engineering, University of Thessaly.

Transport and Telecommunication Institute

- 2017, 2018, 2019, 2020α, 2020β: Graduate Program of Transport and Telecommunication

2008 – 2016

Institute, Riga, Latvia, Decision making methodologies

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.
- 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 Planning, Organization and Management of Transportation Systems, A.U.Th..
- 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.
- 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.
- 2014, 2015, 2016: Interinstitutional Vocational Training, University of Thessaly and Aristotle University of Thessaloniki «Road infrastructure with emphasis in the safe design and environmental permits. European directives 2008/96/EU, EN1317, 2002/49/EK και 54/2004» (three stud cycles). Course: «Hazardous material transportation on the road network ».

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

1. Πανοπούλου Χριστίνα-Ηρώ (2024): Διερεύνηση επιπέδου ασφάλειας αυτόνομων μέσω μαζικής μεταφοράς σε αστικό ιστό
2. Μπούσια Χρυσάνθη (2024): Διερεύνηση αποδοχής κόστους χρήσης MaaS
3. Katsamaktsi Lampriana (In progress): Social Media Impact on driver behavior and skills
4. Μουλογιάννης Γάβνης και Σκούρτης Βασίλης: Διαμόρφωση βιώσιμων συγκοινωνιακών εγκαταστάσεων σε εμπορικά κέντρα
5. Οικονομίδης Δημήτρης: Οικονομική αξιολόγηση αγοράς και χρήσης ηλεκτρικών οχημάτων
6. Βασιλού Νικολέτα: Διερεύνηση επιπτώσεων μετακινήσεων από και προς την Πολυτεχνική Σχολή του Πανεπιστημίου Θεσσαλίας με αυτόνομα οχήματα
7. Στέκας Παναγιώτης: Κυκλοφοριακές επιπτώσεις "ως υπηρεσία" συστημάτων
8. Ανθιμόπουλος Κωνσταντίνος: Προσομοίωση και αξιολόγηση της επίδρασης των αυτόνομων οχημάτων σε εναλλακτικά σενάρια σχεδιασμού οδικού δικτύου
9. Μητατσέλης Σαράντης: Ανάπτυξη - επέκταση κυκλοφοριακού μοντέλου Βόλου στην περιοχή

της Ν. Ιωνίας

10. Ρομπιέ Κατερίνα: Σύγκριση επιπέδου εξυπηρέτησης ατόμων με δυσκολίες κινητικότητας από συστήματα μοιρασμένης μετακίνησης και μικροκινητικότητας στον Βόλο και στα Τρίκαλα
11. Κουτσοχέρας Μάριος (σε εξέλιξη): Μεθοδολογία εκτίμησης μέτρων αντιστάθμισης του αποτυπώματος του άνθρακα στις αστικές μεταφορές - Εφαρμογή στον Βόλο
12. Θεοδωρόπουλος Χρυσάνθος και Εκατομμάτης Παντελής (σε εξέλιξη): Ανάλυση επικινδυνότητας σε κυκλοφοριακούς κόμβους του Βόλου με χρήση μεθόδων καταγραφής κυκλοφοριακών εμπλοκών
13. Δημήτρης Κόντης (σε εξέλιξη): Μελέτη περιβαλλοντικών επιπτώσεων σε οδικούς κόμβους
14. Αθανάσιος Παππάς (σε εξέλιξη): Βελτιστοποίηση εργασιών ΣΕΜΠΟ στον λιμένα Βόλου
15. Κουτσογάκης Χρήστος και Μάρκου Γιώργος (σε εξέλιξη): Διαμόρφωση οδικού χάρτη επικίνδυνων διασταυρώσεων στην πόλη του Βόλου
16. Μίχας Λουκάς και Ντόντος Γεώργιος – Παναγιώτης (2023): Δείκτες ποιότητας συτήματων μαζικών μετακινήσεων στην πόλη του Βόλου
17. Αδάμος Ευάγγελος (2023): Διερεύνηση προσβασιμότητας και συνδεσιμότητας Πανεπιστημιακών εγκαταστάσεων του Βόλου με χρήση σύγχρονων τεχνικών και τεχνολογίας
18. Χασάν Ερκάμ (2023): Εφαρμογή συστήματος Κινητικότητας-Ως-Υπηρεσία (MaaS) για την εξυπηρέτηση των μετακινήσεων από και προς την Πολυτεχνική Σχολή του Πανεπιστημίου Θεσσαλίας
19. Zorbas Alexis (2023): Optimizing urban distribution in the city of Volos.
20. Χατζόπουλος Κωνσταντίνος (2022): Διαμόρφωση της οδού Σέκερη σε οδό ήπιας κυκλοφορίας
21. Aggida Georgia, Drakouli Vaia (2019): Investigating the introduction of mobility as a service in Volos.
22. Mavrogenidou Giota (2019): Simulating ITS impact on traffic flow.
23. Sourlas Dimitris (2019): A thorough review and analysis of journey planners.
24. Zerzis Dimitrios, Terzakis Thomas Ioannis (2018): Simulation of the establishment and operation of an urban consolidation center in Volos.
25. Chatzistamatis Nikolaos (2018): Acceptance of night deliveries in the central business district of Volos.
26. Samaras-Kamilarakis Stavros, Vogiatzakis Petros Angelos (2018): The contribution of open big data sources and analytics tools in sustainable urban mobility.
27. Papaioannou Giorgos (2017): Optimal fleet and route choice on maritime transport.
28. Michailidis Ilias (2017): The role of big data in transport.
29. Zafiridis Theodoros (2017): Travelers' behavioral models.
30. Fourkas Spyros, Mesionis Giorgos (2016): Formulation of a transportation model for the urban agglomeration of city of Volos.
31. Magginas Aris, Manoli Stefania: (2015): PPP in the port of Volos.
32. Kouros Panagiotis (2014): Freeway incident management through incident detection algorithms. The case of Attiki Odos.
33. Karyoti Eleni (2014): Assessment of the accessibility and mobility at Pelion villages.
34. Karaouli Eleni, Pantazi Sofia (2014): Car sharing system for the University of Thessaly.
35. Papafoti Lambrini (2014): Green urban transportation in Volos.
36. Siozou Lefki, Ntasienu Georgia (2013): Simulation of traffic impacts of transportation infrastructure interventions in the city of Ioannina.
37. Katranaras Ilias, Furlas Dimitris (2013): Risk analysis of Thessalia's provincial road network.
38. Panagiotidis Giannis (2012): Emergency Situation Systems (AASPs) in road, air, rail, maritime transport and associated infrastructure.
39. Konitsiotis Nikolaos (2011): Description and evaluation of advanced systems in road transportation.
40. 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.
41. Kontos Panagiotis (2007): Design and management of the transportation of liquid fuel through the tunnels of Attiki Odos.
42. Kyritsis Chariton (2007): Presentation and implementation of a hierarchy process for the optimization of level junctions.
43. Primpidis Konstantinos (2005): Quality analysis of passenger services of Hellenic Railway Organization.

44. Nanouris Christos (2004): Risk analysis of the national road network of city of Volos.
45. 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.
46. Arvanitaki Erasmia, Gogas Michael (2003): Investigation of measures for environmental impacts due to traffic congestion in the city of Kalamaria.
47. Loupasaki Eleftheria (2003): Planning and evaluation of road incidents in the wider area of Volos.
48. Nikakis Konstantinos (2002): E-parking system in Kingston Upon Thames.
49. Maltzaris Ioannis (2002): Before-After analysis and implementation of the evaluation of traffic management measures in city of Polihni.
50. Liaskas Thomas (2002): Analysis of road nodes, links and network via static and dynamic methods.
51. Konstantis Xenofon (2002): Development of an impact assessment framework for the traffic impacts of alternative scenarios for the city of Volos.
52. Economidis Ioannis (2001): Investigation of the impacts caused by telematics and new technologies in the transportation sector.
53. Philippatos Othonas (2000): Feasibility study of the development of a logistics centre in the wider area of Volos.

Co-supervisor in diploma theses of undergraduate studies

1. Άννα Αποστολακοπούλου (2023). Ο ρόλος της ενημέρωσης και ευαισθητοποίησης των πολιτών στην επίτευξη στόχων και μέτρων βιώσιμης αστικής κινητικότητας.
2. Ελευθέριος Τσόλκας (2022): AN INTEGRATED FRAMEWORK FOR SMART GOODS DISTRIBUTION IN A MIDDLE-SIZED CITY
3. Γεωργαντή Αναστασία και Σούμπασης Νικόλαος (2022): FEASIBILITY STUDY FOR THE USE OF AUTONOMOUS VEHICLES FOR THE CONNECTION BETWEEN TERMINALS IN VOLOS AND PASSENGER SERVICE
4. Αφροδίτη Γιούλα (2022): Accessibility of contemporary environmentally friendly transportation systems - Autonomous and electric vehicles
5. Ιωάννης Γκάγκτζας (2022): ΑΝΑΠΤΥΞΗ ΔΙΚΤΥΟΥ ΤΡΟΦΟΔΟΣΙΑΣ ΜΕ ΧΡΗΣΗ ΗΛΕΚΤΡΟΚΙΝΗΤΩΝ ΟΧΗΜΑΤΩΝ ΣΕ ΕΛΛΗΝΙΚΑ ΝΗΣΙΑ: ΜΕΛΕΤΗ ΠΕΡΙΠΤΩΣΗΣ ΤΗΣ ΣΚΙΑΘΟΥ
6. Μαρία Μπλατσιώτη (2022): Sustainable design of aviation systems and infrastructure.
7. Γεώργιος Χριστόπουλος (2022): The role of short sea shipping in sustainable transport design
8. Ηλιάννα Κακαφίκα (2022): ΑΞΙΟΛΟΓΗΣΗ ΣΥΣΤΗΜΑΤΟΣ ΕΞΥΠΗΡΕΤΗΣΗΣ ΜΕΤΑΚΙΝΗΣΕΩΝ ΠΕΖΗ
9. Σοφία Μανούκα (2022): Bicycle service system
10. Ερμιόνη Φασιάνη (2022): Βιώσιμος συγκοινωνιακός σχεδιασμός σε περιοχές με έντονη τουριστική ανάπτυξη και σε περιοχές ιδιαίτερου φυσικού κάλλους
11. Παναγιώτης Ψύχαλος (2022): ΔΙΑΜΟΡΦΩΣΗ ΕΠΙΧΕΙΡΗΜΑΤΙΚΩΝ ΜΟΝΤΕΛΩΝ ΕΞΥΠΝΩΝ ΔΙΚΤΥΩΝ ΜΕ ΤΗ ΧΡΗΣΗ ΗΛΕΚΤΡΙΚΩΝ ΑΥΤΟΝΟΜΩΝ ΟΧΗΜΑΤΩΝ - ΣΥΝΕΡΓΑΤΙΚΑ ΣΥΣΤΗΜΑΤΑ
12. Ελευθέριος Τσόλκας (2022): ΑΝΑΠΤΥΞΗ ΟΛΟΚΛΗΡΩΜΕΝΟΥ ΠΛΑΙΣΙΟΥ ΕΞΥΠΝΩΝ ΔΙΑΝΟΜΩΝ ΕΜΠΟΡΕΥΜΑΤΩΝ ΣΤΗΝ ΠΟΛΗ ΤΟΥ ΒΟΛΟΥ
13. Δημήτρης Τσαλμίδης (2021): ΒΙΩΣΙΜΟΣ ΧΩΡΙΚΟΣ ΚΑΙ ΣΥΓΚΟΙΝΩΝΙΑΚΟΣ ΣΧΕΔΙΑΣΜΟΣ ΣΕ ΒΙΟΜΗΧΑΝΙΚΕΣ ΕΓΚΑΤΑΣΤΑΣΕΙΣ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΑ ΠΑΡΚΑ
14. Ιωάννης Γιαννάκης (2021). Διερεύνηση σκοπιμότητας κατασκευής και λειτουργίας εγκαταστάσεων “park and ride” στην πόλη του Βόλου.
15. Παρασκευή Δημητρίου & Αναστασία Λιάπη (2021). Βιώσιμες αστικές εμπορευματικές μεταφορές: ο ρόλος των ζωνών (πολύ) χαμηλών εκπομπών ρύπων.
16. Αθανάσιος Καραγεώργος (2021). Σχεδιασμός και ανάπτυξη δυναμικού εργαλείου επιλογής μέτρων βιώσιμης αστικής κινητικότητας.
17. Αικατερίνη Κυζήριδη (2021). Εντοπισμός και αξιολόγηση πηγών παροχής πληροφοριών σε χρήστες βιώσιμης κινητικότητας.
18. Μαρία Μπλατσιώτη (2022). Sustainable design of aviation systems and infrastructure.
19. Ελένη Παπαπολυκάρπου (2021). Διερεύνηση του βαθμού αποδοχής των μετακινούμενων στη χρήση αυτόνομων οχημάτων στις δημόσιες συγκοινωνίες.
20. Κωνσταντίνος Ρέππας (2021). Μελέτη περιβαλλοντικών επιπτώσεων και επιπέδου ασφάλειας από τη χρήση ηλεκτρικών – αυτόνομων οχημάτων.
21. Γεωργία Σάββα (σε εξέλιξη). Συγκριτική αξιολόγηση της λειτουργίας συστημάτων

- μοιρασμένης χρήσης ποδηλάτων σε Ελλάδα και Κύπρο.
22. Δημήτριος Τσαλιμιδής (2021). Βιώσιμος χωρικός και συγκοινωνιακός σχεδιασμός σε βιομηχανικές εγκαταστάσεις και βιομηχανικά πάρκα.
 23. Κωνσταντίνος Τσινούλης (2021). Ανάπλαση του σιδηροδρομικού σταθμού Λάρισας προς την κατεύθυνση της βιώσιμης αστικής κινητικότητας.
 24. Χρύσα Φούντα (2021). Ανάπλαση του επιβατικού λιμένα Βόλου προς την κατεύθυνση της βιώσιμης ανάπτυξης.
 25. Γεώργιος Χριστόπουλος (2022). The role of short sea shipping in sustainable transport design.
 26. Κωνσταντίνα-Δέσποινα Θέου, 2020. Αξιολόγηση των επιπτώσεων της υπνηλίας στην ικανότητα οδήγησης και την οδηγική συμπεριφορά: μελέτη σε προσομοιωτή οδήγησης.
 27. Ελευθερία Καλπακίδου, 2020. Ανάλυση των επιπτώσεων της παραβατικής συμπεριφοράς στην οδική ασφάλεια.
 28. Δημήτριος Κορδόσης, 2020. Αξιολόγηση της ποιότητας παροχής υπηρεσιών σε λιμενικούς τερματικούς σταθμούς.
 29. Μιχαήλ Κούτρας, 2020. Επιχειρηματικά μοντέλα με έμφαση στη μοιρασμένη χρήση οχημάτων και την ανταλλαγή δεδομένων για ευφυείς εμπορευματικές μεταφορές.
 30. Βασίλειος Λιούτας, 2020. Διερεύνηση σκοπιμότητας εγκατάστασης και λειτουργίας σταθμών φόρτισης ηλεκτρικών οχημάτων σε μεσαίου μεγέθους πόλεις.
 31. Νικολέττα Ντάσιου, 2020. Ανάλυση της επίδρασης ψυχολογικών παραγόντων στη χρήση συστημάτων πλοήγησης κατά την οδήγηση.
 32. Αικατερίνη Ρούμπα, 2020. Μελέτη της οδηγικής συμπεριφοράς με χρήση υποκειμενικών και αντικειμενικών δεδομένων: πείραμα σε προσομοιωτή οδήγησης.
 33. Γεωργιάνα Τσιάνου, 2020. Διερεύνηση λειτουργίας συστήματος κομβί αυτονομων οχημάτων παράδοσης δεμάτων στην περιοχή της Ανατολικής Θεσσαλονίκης.
 34. Παρθένα Θεοδωρίδου & Θεοδώρα Τσολάκη, 2019. Διερεύνηση της επίδρασης της ενεργούς μετακίνησης στη βελτίωση της υγείας και της ποιότητας ζωής.
 35. Ζαφειρία Παπασακελλαρίου, 2019. Εντοπισμός και αξιολόγηση ολοκληρωμένων μοντέλων χρήσεων γης και μεταφορών.

Supervisor in Master theses

1. Μπάζου Κατερίνα: Μέθοδος DELPHI για την ανάδειξη καλύτερων πρακτικών σε κέντρα μικροδιαλογής
2. Κωνσταντή Ιωάννα: Προσομοίωση εναλλακτικών υπηρεσιών παραλαβής διαδικτυακών παραγγελιών
3. Αλεξίου Σοφία: Διερεύνηση χρήσης αυτονομων οχημάτων για την εξυπηρέτηση του Οργανισμού Λιμένος Βόλου
4. Σκούρα Ναταλία – Βασιλική: Σχεδιασμός και αξιολόγηση εγκατάστασης έξυπνων θυρίδων
5. Ντάφος Κώστας (2022): Διαμόρφωση επιχειρηματικών μοντέλων έξυπνων δικτύων με τη χρήση αυτονομων οχημάτων
6. Anagnostou Ioannis (2022): Shared vehicles for home deliveries.
7. Δεληγιάννη Μαρία (2021): Συνδυασμένες επιβατικές και εμπορευματικές μεταφορές με ταξί και μέσο μαζικής μεταφοράς σε αστικές περιοχές.
8. Γεωργούλα Εύη (2021): Αντιμετώπιση αναγκών τροφοδοσίας κάτω από έκτακτες συνθήκες.
9. Κατερίνα Ζακυνθινού (2021): Διανομές προϊόντων με αυτόνομα οχήματα.
10. Ntovas Kostas (2022): The evolution of ecommerce and the impact of the pandemic on the European consumers' online trends.
11. Athanasopoulos Kyrillos (2020): Feasibility of interurban freight transportation on public transportation systems.
12. Xydianou Theonymphi (2020): Development of an urban network for drone deliveries.
13. Flaski Eleni (2020): Comparison of methodologies for the analysis of hazardous material transportation.
14. Magginas Vissarion (2020): Estimating the impacts of 3D printing in freight transportation.
15. Mpogkas Konstantinos (2020): Location of small distribution centers in urban areas.
16. Mpormpoli Erasmia (2019): Spatial and transportation integration of the transeuropean Hellenic intermodal transportation network.
17. Kioussis Vassilis (2018): Assessing traffic and environmental impacts of smart lockers logistics measure in a medium-sized municipality of Athens using traffic microsimulation.
18. Charalampidou Sofia (2015): Development of route optimization models for route planners: the case of I-Mobi Volos.
19. Karakitsiou Evgenia (2015): Investigation of municipal waste collection systems: The case of

the Municipality of Peristeri.

20. Tsanakas Nikos (2015): Calibration and evaluation of traffic flow models using empirical data.
21. Charalabidou Sofia (2013): Smart mobility in the city of Volos.
22. Barkabas Vassilis (2012): Restructuring logistics business model of MAMA products Distribution Company.
23. Efremidou Ermioni (2012): Development of forecast models for the influence of talking while driving on driving behavior.
24. Kamara Maria-loulia (2012): Development of an operation framework for the intermodal network of freight transportation in Greece.
25. Koukoulis Dimitris (2011): Investigating the level of service of bike network in the city of Karditsa.
26. Sanidas Giannis (2010): Design of the transportation of liquid fuel through bypassing the tunnels of Attiki Odos.
27. Adamos Ioannis (2005): Impact analysis of modern driver assistance systems on traffic and behaviour.
28. Ladopoulos Lazaros (2004): Integrated impact assessment system of the advanced systems for the management of road traffic and road infrastructure.

Co-supervisor/reviewer in
Master Theses or Project
Reports

- de Melo Barros, Rafaela (2019). Thesis: EQUITY IN TRANSPORTATION SAFETY AND PRELIMINARY ASSESSMENT IN HAWAII. University of Hawaii at Manoa.
- Miah, Mintu MD (2018): Thesis: EFFECTS OF READING TEXT WHILE DRIVING - ANALYSIS OF 200 HONOLULU TAXI DRIVERS ON A VS500M SIMULATOR. University of Hawaii at Manoa.
- Batta, Kishor (2018) Project report: COMPARATIVE ANALYSIS OF MAJOR CONTRIBUTING FACTORS IN FATAL TRAFFIC CRASHES IN ALASKA, HAWAII, IDAHO AND WASHINGTON, 2007-2016. University of Hawaii at Manoa.

Supervisor in Doctoral
Dissertations

- Δρογούλα Μαρία (σε εξέλιξη): Decision Support Systems for Sustainable Development and Spatial Planning Assessment Models in the Thessaly Region based on Machine Learning and Soft Computing Methodologies (member of the three-member committee)
- Τζήκα-Κωστοπούλου Δανάη (σε εξέλιξη): Αξιοποίηση δεδομένων κοινωνικής δικτύωσης με εντοπισμό θέσης για την εκτίμηση της ζήτησης για μετακινήσεις σε αστικές περιοχές.
- Demiridi Elissavet (2023): Analysis of benefit variables of autonomous vehicles in traffic, safety and the environment and acceptance level model configuration, via a stated preference study with an integrated status quo alternative (member of the three-member committee)
- Karatsoli Maria (2023): Intelligent transport systems with usage of "big data" for management of sustainable mobility. Department of Civil Engineering, University of Thessaly.
- Karakikes Ioannis (2021): Simulation and impact assessment of innovative systems for urban freight distribution. Department of Civil Engineering, University of Thessaly.
- Papoutsis Konstantinos (2019) Joint PhD: 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 (2019): Modeling service quality of public transportation and its impact on mode and route choice. Department of Civil Engineering, University of Thessaly.
- Myrovali Glykeria (2019): Transportation model calibration using multiple data sources. Department of Civil Engineering, University of Thessaly (member of the three-member committee).
- Mpartziokas – Tsompras Alexandros (2022): 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).
- Stefanouli Maria (in progress): 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).
- Fragkou Athanasios (2017): Identification and characterization of dynamic systems' observations with advanced methods of timeseries analyses. Department of Civil Engineering, University of Thessaly (member of the three-member committee).
- Adamos Ioannis (2016): Modeling the impact of road safety communication campaigns and training programs on driving behavior. Department of Civil Engineering, University of Thessaly.
- Pticina Irina (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. Department of Civil Engineering, University of Thessaly (member of the three-member committee).
- Kottas Panagiotis (2012): Drivers' drowsiness detection system with eye image processing. Department of Civil Engineering, University of Thessaly.

Committee Member of
 Doctoral Dissertations

- Petamidis Charalampos (2011): Traffic management optimization through driver behavior and traffic simulation. Department of Civil Engineering, University of Thessaly.
- Olga Zervina (2022): A METHODOLOGY OF AUTOMATED IDENTIFICATION OF VALUES IN THE AIR TRANSPORTATION DOMAIN ON THE BASE OF E-TEXTS, Transport and Telecommunication Institute, Riga, Latvia
- Παπανικολάου Ανέστης (2020): Ανάπτυξη μεθοδολογίας για την αξιολόγηση δικτύων Δημοσίων Συγκοινωνιών ανταποκρινόμενων στη ζήτηση σε περιαστικές περιοχές, Τμήμα Αγρονόμων και Τοπογράφων Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.
- Gavanas Nikolaos (2011): Spatial impacts of transportation system: Application in South-Eastern Europe. Department of Civil Engineering, Aristotle University of Thessaloniki.
- Zacharaki Eleni (2010): The impact of behavior in the relation of land uses and transport. Department of Civil Engineering, Aristotle University of Thessaloniki.
- Zacharis Stratis (2010): Hazardous Materials transportation in Greece. Department of Civil Engineering, Aristotle University of Thessaloniki.

**OTHER EDUCATIONAL
 ACTIVITIES**

- May 2022 **Summer School “Ensuring Quality of Public Services in Sustainable Regional Development”, INVEST, European University Alliance, Plovdiv, Bulgaria**
 School coordinator and trainer
 Social innovation and sustainable regional development
- April 2019 **State Science Fair, Convention Center, Honolulu, HI**
 Instructor
- February 2022 **District Science Fair, Honolulu, HI (virtual)**
 Instructor
- March 2022 **Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia**
 School coordinator and trainer
 - Decision making methodologies
- April 2021 **State Science Fair, Honolulu, HI (virtual)**
 Instructor
- February 2021 **District Science Fair, Honolulu, HI (virtual)**
 Instructor
- March 2021 **Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia**
 School coordinator and trainer
 - Decision making methodologies
- April 2020 **State Science Fair, Honolulu, HI (virtual)**
 Judge
- March 2020 **Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia**
 Instructor
 - Decision making methodologies
- May 2019 **Undergraduate Showcase, University of Hawaii at Manoa, Honolulu, HI**
 Judge
- April 2019 **State Science Fair, Convention Center, Honolulu, HI**

Judge

- March 2019 Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia
Instructor
- Decision making methodologies
- February 2019 District Science and Engineering Fair, Farrington High School, Honolulu, HI
Judge
- December 2018 Science Fair, Niu Valley Middle School, Honolulu, HI
Judge
- November 2018 Graduate Program, Civil and Environmental Engineering, University of Hawaii at Manoa, Honolulu, Hawaii, November 24
Invited speaker
- "Transportation of Hazardous Materials on Interurban Highways and Tunnels"
- July 2018 Training School on "Sustainable Transport Interchanges Program (STIP) – Part II: Public Transport Systems: from research to decision making", Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia
School coordinator and instructor
- April 2018 Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia
Instructor
- Decision making methodologies
- July 2017 Training School on "Sustainable Transport Interchanges Program (STIP) – Part 1: Freight transportation", Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia
School coordinator and trainer
- October 2017 "Train the Trainers" seminar on "Sustainable Transport Interchanges Program", Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia
Coordinator - Trainer
- April 2017 Course offered within the Graduate Program of Transport and Telecommunication Institute, Riga, Latvia
Instructor
- Decision making methodologies
- October 2016 "Train the Trainers" seminar on "Sustainable Transport Interchanges Program", Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia
Coordinator – Trainer
- October 2016 "Young Researchers" seminar on "Sustainable Transport Interchanges", Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia
Coordinator – Trainer
- 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 coordinator and trainer
- Section: EVALUATION: Lectures: Evaluation methodologies and Output indicators
- Sept 2012 – Jun 2013 Promo Safe Driving, European Territorial Cooperation Program Greece – Bulgaria 2007-2013
Instructor
- Course on Road Safety
- August 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”
- May 2010 Interdepartmental master studies program ‘Planning, organization and management of transportation systems’, AUTH
Organizer - speaker
- Workshop on “organization and management of maritime transport and ports”
- 2006-2008 Strengthening the administrative skills of the Port Authority in Cyprus, European Commission 2006-2008.
Education program organizer and instructor
- Port policies, Maritime transportation safety, train-the-trainers
- May 2004 – Oct. 2005 “Human network for the promotion of road safety – ADIRITOS”, University of Thessaly, Assigned by the Ministry of Research and Technology
Driving instructors’ training
- 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

- 2017 **Joint PhD Program with University of Antwerp, Belgium – Law 2087/19-06-2017.**
The agreement concerns the realization of a doctoral dissertation of a PhD candidate of the University of Thessaly, under the supervision of Eftihia Nathanail.
- 2015 **Memorandum of Understanding with Transport and Telecommunications Institute (TTI), Riga, Latvia.**
The Memorandum concerns the cooperation between TTLog and TTI on research, know-how, joint curriculum development, and more.

ADMINISTRATIVE ACTIVITIES IN UNIVERSITY OF THESSALY

- 2022-today
- Member of the Committee of the Academic Curriculum
 - Chair of Committee of Extroversity, Research Development and Cooperations (unified with Committee for Monitoring Alumni Professional and Academic Status)
 - Member of the Financial Management Committee
 - Member of the Committee of Departmental Facilities and New building construction
 - Chair of the Committee for the Internal Departmental Evaluation
 - Member of the Coordination Committee of the Graduate Program "Prevention, management and restoration of the impacts of natural disasters and climate change in the built environment"
 - Member of the Coordination Committee of the Interdepartmental Graduate Program "Project management, transportation and spatial planning"
- 2020-2023
- Research Committee member – Department representative
 - Research Committee member – 7-member management committee
- 2019 - today
- Chair of Committee for Monitoring Alumni Professional and Academic Status
 - Chair of Committee of Extroversity, Research Development and Cooperations
 - Member of the Committee of Departmental Facilities and New building construction
 - Member of the Committee on Ethics
- 2015 – 2022
- Member of the Special Interdepartmental committee of the Interdepartmental Graduate Program "Project management, transportation and spatial planning" and the Postgraduate Student Selection committee
- 2015 – 2018
- Member of the Committee for Doctoral Program of Civil Engineering Department
- 2016 – 2017
- Member of the Committee for Research Promotion and Collaborations of Civil Engineering Department
- 2016
- Chair of the Committee for students' dorms
- 2014 – 2015
- 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 Sector 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)
- 2009-2014
- Responsible for the Internship program of the Department of Civil Engineering
- 2008, 2002 - 2003
- Responsible for the compilation of Studies Guide

RESEARCH ACTIVITY

- Assignment by academic and research institutions
1. DEMo4PPL - Digital Education Modules 4 Participatory Planning 2023-1-EL01-KA220-HED-000164728, Erasmus+, 2023-2024. Budget 250000 euros. Team member.
 2. "CERBERUS" project, MIS 5131405, European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, RESEARCH – CREATE - INNOVATE (ESPA 2014-2020), 2023-2024. Role: Development and assessment of pERishaBIE pRодукt sUpply chainS, based on adaptive wireless sensor-based dashboard system.
 3. Couriers Go Green! "Underpin Courier and Transportation Companies to Green their Operations – Couriers Go Green!" 2022-1-EL01-KA220-VET-000087645, Erasmus +. Budget: 240000 euros. Project coordinator.

4. "Consulting services in the Sustainable Urban Mobility Plan of the Municipality of Alexandroupolis", PROJECT I.K.E., 2023, 1-4/2023, Budget: 5084 euros. Project manager.
5. "Transformation of Sekeri Road into mild traffic facility", Research Committee of University of Thessaly, 4-11/2022, Budget: 6000 euros. Project manager.
6. INVEST: INnoVations of REgional Sustainability: European UniversiTy Alliance, Erasmus +, 2021-2023. Responsible for the design and implementation of the Graduate Program «Sustainable Urban Development», design of Living of the Thessaly Region, Living Lab design, development of undergraduate specialization and Master's program.
7. "Urban renovation and exploitation of the property Vamvakourgia, Nea Ionia", Ministry of Employment and Social Security and the Organization for Employment (OAED), 2021. Scientific responsible of the traffic impact study.
8. "Effects of Reading Text while Driving: A Driving Simulator Study", with University of Hawaii at Manoa for the Center of Safety Equity in Transportation (CSET), USDOT Tier 1 University Transportation Center, Research and Innovative Technology Administration (RITA), February 28, 2020.
9. Magnesia Combined Transport. Volos Port Authority, National Railways, Ministry of Infrastructure and Transport, 3/7-17/11/2019. Team leader for the road network, current state and further development for the system sustainability and interconnectivity.
10. SIM4NEXUS: Sustainable Integrated Management FOR the NEXUS of water-land-food-energy climate, EU HORIZON 2020, 1/1-31/12/2019. Responsible for the policy analysis and the nexus.
11. Spatiotemporal urban traffic modelling using big data, European Regional Development Fund Postdoctoral research aid, 5/2018. Scientific advisor (in collaboration with TTI, Latvia).
12. Enhancing excellence and innovation capacity in sustainable transport interchanges, ALLIANCE, European Commission H2020-TWINN-2015, 1/1/2016-31/12/2018. Total Budget 996.306,25 €. UTh Budget 358.500 €. Scientific responsible.
13. New cooperative business models and guidance for sustainable city logistics - NOVELOG, European Commission, HORIZON 2020 Mobility for Growth, 2015-2018. Total Budget 4.413.842 €. UTh Budget 236.322,50 €. Scientific responsible.
14. Upgrading of transit service quality in the northwest area of the city of Volos. Astiko K.T.E.L. Volou S.A. 2013-2016. UTh Budget 5.000 €. Scientific responsible.
15. "I-MOBI VOLOS", Intelligent Urban Mobility Information and Management System Towards Urban Sustainability in the city of Volos, Greece. University of Thessaly Research Committee, 2013-2015. Budget: 20.000 €. Project scientific advisor.
16. "Open Digital Courses of the University of Thessaly", Ministry of Education, Operational Programme "Education and Lifelong Programme" 2007-2013, 2014-2015 Budget: 6.000 €.
17. "City-HUB", Collaborative European Research Project (RTD), European Commission, CErTH/HIT, 2012-2015. Total Budget: 1.324.114 €. UTh Budget: 116,200 €. Scientific Responsible.
18. Operational program Education and life-long learning 2007-2013, Ministry of Education and European Commission. Budget: 32,000 €. 2013-2015. Internships program for undergraduate students of University of Thessaly. Scientific coordinator.
19. 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.
20. 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.
21. School zones analysis for the 6th Elementary School of N. Ionia. 6th Elementary School of N. Ionia, Thessaly, 2014.
22. "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.
23. "International scientific study on Transport Corridor Management as part of the project Bothnian Green Logistics Corridor", co-funded by EU, ERDF, ENPI, 2013. Lulea Tekniska Universitet, 1/1/2013-30/6/2013. Budget: 26,850 €. Scientific Responsible.
24. "TTRANS- Enhancing the transfer of Intelligent Transportation System innovations to the market ", FP7-THEME [TPT.2012.3-2.] - INTELSPACE Innovation Technologies SA., 3/2013. Expert Consultant – Evaluator.
25. "HR- Croatia: Technical assistance for Management of IPA/SF Operational Programme - Publication ref EuropeAid/132567/D/SER/HR", East West Consulting (EWC) sprl, 2-3/2013. Expert Consultant.
26. "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.
27. Operational program Education and life-long learning 2007-2013, Ministry of Education and European Commission. Budget: 95,000 €. 2009-2012. Internships program for undergraduate students of University of Thessaly. Scientific coordinator.
28. "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. Municipality of Serres. Budget: 2.000.000 €. 2012-2013. Scientific consultant for the formulation of

- educational material.
29. "STRATegies and measures for smarter urban freIGHT SOLutions", Collaborative European Research Project (RTD), CERTH/HIT, 2011-2014. Budget: 190,500 €. Scientific Responsible.
 30. "Connecting LOng and Short-distance networks for Efficient tRansport – Closer", European Commission, Collaborative European Research Project, 2010-2012. Scientific responsible.
 31. "Planning and organization of road safety activities", University of Thessaly. Budget: 12,000 €. Scientific Responsible.
 32. "Dissemination of CAST – Campaigns and Awareness-raising Strategies in Traffic Safety" Specific Targeted Research Project (STREP), European Commission 2008-2009. Scientific responsible.
 33. "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), European Commission 2008-2009. Scientific responsible.
 34. "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.
 35. "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". Ministry of Environment and Public Works, Greece, National Highway Funds S.A., 2007-2008. Institute of Transportation, National Center for Research and Technological Development. Budget: 120,000 €. Deputy scientific responsible.
 36. "Development of the institutional and administrative rules for the transportation of dangerous goods through roadway tunnels". Ministry of Environment and Public Works, Greece, Special Service of Public Works – SERA (consession projects), 2006-2007. Institute of Transportation, National Center for Research and Technological Development. Budget: 120,000 €. Deputy scientific responsible.
 37. "Integrated Road Safety Systems, with the application of advanced driver monitoring, warning and information technologies (OSOA – 3P)", Research reinforcement program (PENED – 2003). General Secretariat for Research and Technology, Ministry of Development, 2005-2008. Budget: 134,000 €. Scientific Responsible.
 38. "Campaigns and Awareness-raising Strategies in Traffic Safety" Specific Targeted Research Project (STREP). European Commission, 2005-2008. Budget: 602,000 €. Scientific Responsible.
 39. "Environmentally friendly urban freight transport in Kavala". Institute of Transport, Center of Research and Technological Development, 2005. Budget: 5,000 €. Scientific Responsible.
 40. "Human network for the advancement and promotion of the road safety". General Secretariat for Research and Technology, Ministry of Development, 2003-2005. Budget: 18,000 €. Scientific Responsible.
 41. "Feasibility study for the improvement of the Port of Volos". Volos Port Authority SA, 2003. Budget: 9000 €. Scientific Responsible.
 42. "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". Volos Port Authority SA, 2003. Budget: 6,000 €. Scientific Responsible.
 43. "Feasibility for the establishment of short sea shipping services in Pagasitikos golf". Volos Port Authority SA, 2004. Scientific Responsible.
 44. "Integrated system for the benchmarking of the railway infrastructure", Institute of Transport. Assigned by the Hellenic Railways, 2003 - 2006. Budget: 170,000 €. Project coordinator.
 45. "Integrated system for the benchmarking of the passenger services of the Hellenic Railways". Hellenic Railways, 2003 - 2006. Institute of Transport. Budget: 190,000 €. Project coordinator.
 46. "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.
 47. "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". Hellenic Railways 2003. Institute of Transport. 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.
 48. "Transportation of dangerous and over-weight cargo, along the Egnatia Axis (Via Egnatia)" Egnatia Odos S.A. (2001-2002). Aristotle University of Thessaloniki. Market and legal framework analysis, technical, operational and economic analysis, development of a risk assessment methodology and system. Technical manager.
 49. "Development of an urban public transport system at the municipalities of Amintaio, Aetos, Filotas and Lehovo". Florina's Development Authority 2000-2001. Project responsible.
 50. "Master plan for the development of the infrastructure and operations of the passenger port of Volos", Volos Port Authority, Ministry of Maritime (2000). Aristotle University of Thessaloniki. Responsible for the transportation master planning (accessibility and parking).
 51. "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). Aristotle University of Thessaloniki. Responsible for the transportation modeling (forecasting).
52. “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.
 53. “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.
 54. “Organization of the traffic system of Amintaio” (1996). University of Thessaly, Department of Civil Engineering. Municipality of Amintaio. Member of the research team.
 55. “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.
 56. “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.
 57. “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.

Assignment under private law

1. “A Study on Integrated Border Crossing Points Management between Schengen Area and Russia/Belarus”. Europeaid, EU — Assistance Projects - World Trade Organization, 2011.
2. “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. SSE Environment SA / ALA Planning Partnership Ltd. Responsible for the traffic impact analysis.
3. “Enhancement of the administrative abilities of the Cyprus Port Authority”, European Commission 2006 – 2008. TREDIT SA. Responsible for the development, implementation, monitoring and evaluation of a training program for the Port Authority and its partners.
4. “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.
5. “Thematic evaluation of the transportation development project”, European Commission, DG XVI (1999). 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.
6. “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.
7. “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.
8. “Worldwide emergency telemedicine services – WETS”, DGXIII, Telematics Applications (1998-2000). Development and coordination of the Greek pilot implementation.
9. “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.
10. “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.
11. “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).
12. “Sustainable urban and regional freight flows - SURFF”, GD XIII, Advanced Telematics Applications, DRIVE III (1996-1998).
13. “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.

14. "MITHOS, Monitoring of Intermodal Transportation of Hazardous Goods", DRIVE II, DG XIII, V-2066, 1993-1994.
15. "METAFORA, Freight and Fleet Management", DRIVE II, DG XIII, V2005, 1992-1993.
16. "TELAID, Advanced Transport Telematics for the transportation of the disabled persons", DRIVE II, DGXIII, V1960, 1992-1993.

Project management – only administrative

1. "New cooperative business models and guidance for sustainable city logistics - NOVELOG", European Commission, HORIZON 2020 Mobility for Growth, 30/5/2019-29/5/2020, Προϋπολογισμός 3523.26 €. Matching Funds - Εθνική Συμμετοχή 2018, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
2. "Enhancing excellence and innovation capacity in sustainable transport interchanges - ALLIANCE", 30/5/2019-29/5/2020, Προϋπολογισμός 7826.72 €. Matching Funds - Εθνική Συμμετοχή 2018, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
3. "New cooperative business models and guidance for sustainable city logistics - NOVELOG", European Commission, HORIZON 2020 Mobility for Growth, 20/11/2017-19/11/2018, Προϋπολογισμός 4654.44 €. Matching Funds - Εθνική Συμμετοχή 2017, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
4. "Enhancing excellence and innovation capacity in sustainable transport interchanges - ALLIANCE", 20/11/2017-31/12/2018, Προϋπολογισμός 6220.05 €. Matching Funds - Εθνική Συμμετοχή 2017, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
5. "New cooperative business models and guidance for sustainable city logistics - NOVELOG", European Commission, HORIZON 2020 Mobility for Growth, 28/4/2016-31/12/2017, Προϋπολογισμός 1659.87 €. Matching Funds - Εθνική Συμμετοχή 2016, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
6. "Enhancing excellence and innovation capacity in sustainable transport interchanges - ALLIANCE", 28/4/2016-31/12/2017, Προϋπολογισμός 1739.95 €. Matching Funds - Εθνική Συμμετοχή 2016, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
7. "5th Conference on Sustainable Urban Mobility", Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 1/11/2019-31/12/2020. Προϋπολογισμός 45000 €. Ρόλος: Επιστημονικώς υπεύθυνη.
8. "4th Conference on Sustainable Urban Mobility", Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 26/7/2017-31/12/2020. Προϋπολογισμός 54939.58 + 1900 €. Ρόλος: Επιστημονικώς υπεύθυνη.
9. "Παροχή υπηρεσιών Εργαστηρίου Κυκλοφορίας, Μεταφορών και Διαχείρισης Εφοδιαστικής Αλυσίδας", Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 15/6/2016-15/6/2030. Προϋπολογισμός 1000 €. Ρόλος: Επιστημονικώς υπεύθυνη.
10. "Παροχή εκπαιδευτικού έργου Εργαστηρίου Κυκλοφορίας, Μεταφορών και Διαχείρισης Εφοδιαστικής Αλυσίδας", Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 15/6/2016-15/6/2030. Προϋπολογισμός 50000€. Ρόλος: Επιστημονικώς υπεύθυνη.
11. "3rd Conference on Sustainable Urban Mobility", Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 27/11/2015-31/12/2018. Προϋπολογισμός 10000 €. Ρόλος: Επιστημονικώς υπεύθυνη.
12. "2nd Conference on sustainable urban mobility", University of Thessaly, 1/3/2014-31/12/2014. Προϋπολογισμός 6260 €. Ρόλος: Επιστημονικώς υπεύθυνη.
13. "1st Conference on sustainable urban mobility", University of Thessaly, 1/12/2012-31/12/2013. Προϋπολογισμός 554.80 €. Ρόλος: Επιστημονικώς υπεύθυνη.
14. "Campaigns and Awareness-raising Strategies in Traffic Safety" Specific Targeted Research Project (STREP), Πανεπιστήμιο Θεσσαλίας. Ανάθεση: European Commission, 1/5/2009-30/4/2011. Προϋπολογισμός 7580 €. Matching Funds - Εθνική Συμμετοχή, General Secretariat for Research and Technology, Hellas. Ρόλος: Επιστημονικώς υπεύθυνη.
15. "Διεξαγωγή ημερίδων οδικής ασφάλειας στο πλαίσιο των δραστηριοτήτων του Εργαστηρίου Συγκοινωνιακής Τεχνικής". Προϋπολογισμός 3000 €. Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας, 2009-2011. Ρόλος: Επιστημονικώς υπεύθυνη.

Deputy administrative project management

- 2/2019-1/2023: SC5-12-2018 EU-India Water Co-Operation "LOw-cost innovative Technology for water quality monitoring and water resources management for Urban and rural water Systems in India—LOTUS".
- 9/2017-8/2020 EU: ERANETMED II "Integrated nanotechnologies for sustainable sensing water and sanitation—NanoSWS".
- 3/2017-2/2021 EU: Horizon2020 Marie Skłodowska-Curie Research and Innovation Staff Exchanges (RISE) "Holistic Surface Water and Groundwater Management for Sustainable Cities—Water4Cities".
- 6/2016-5/2020: EU: Horizon2020 Water-2b "Sustainable Integrated Management for the Nexus of water-land-food-energy-climate for a resource-efficient Europe—SIM4NEXUS"

Reviewer for programs / organizations

1. Member of the Management Committee of the Hellenic Institute of research and Innovation (EL.ID.E.K.) (2021-2024)
2. Member of the Certified Reviewers law. 4310/2014: Special Department for the Management and

- Implementation of Actions in the domains of Research, Technological Development and Innovation
3. Independent reviewers for the Hellenic Institute of research and Innovation (EL.ID.E.K.) ζ (2019-2022)
 4. ERA-NET Cofund Urban Accessibility and Connectivity (EN-UAC), Joint Programming Initiative (JPI) Urban Europe, European Commission Horizon 2020 ERA-NET Cofund scheme under grant agreement N° 875022, 2020.
 5. General Secretariat of Research and Technology – Program “Excellence” – 2016.
 6. FCT Fundacao para a Ciencia e a Tecnologia, Ministerio da Edicacao e Ciencia. Call for SR&TD Projects unde the Cooperation Agreement between Portugal and the European Laboratory for Particle Physics (CERN) – 2015.
 7. Reviewers of the European Commission, FP7, H2020.

Research collaborations

Europe (indicative list):

- University of Leuven (KU Leuven), Belgium
- University of Zagreb, Croatia
- University of Cyprus, Cyprus
- Technical University of Denmark, Denmark
- École des Ponts ParisTech, France
- Technical University of Munich, Germany
- Budapest University of Technology and Economics, Hungary
- Sapienza University of Rome, Italy
- University of Rome Tor Vergata, Italy
- Eindhoven UNiversity of Technology, Netherlands
- Cracow University of Technology, Poland
- Lisbon Technical University, Portugal
- University of Granada, Spain
- École polytechnique fédérale de Lausanne, Switzerland
- University College London, United Kingdom
- Edinburgh Napier University, United Kingdom
- University of Southampton, United Kingdom
- Transport and Telecommunications Institute, 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 Institute of Technology, Israel
- Royal Institute of Technology (KTH), Sweden
- University of Antwerp, Belgium
- 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), Hamilton, Ontario, Canada
- VicRoads, Victoria, Australia
- University of Sydney, Institute of Transport and Logistics, Melbourne, Australia

STUDIES

Transportation studies

1. 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.
2. "Implementation of a container terminal management system", Ministry of National Economy and Thessaloniki Port Authority (2000). Responsible for the training programme.
3. "Feasibility and viability of the establishment of industrial area of Aspropirgos" (1998). Municipality of Aspropirgos. Project manager.
4. "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.
5. "Traffic and construction study for the K7 intersection in the vicinity of the elementary school" (1997). Municipality of Oraiokastros. Main traffic engineer.
6. "Traffic and construction study for the pedestrian way and parking lot at Dimokratia str." (1997). Municipality of Oraiokastros. Main traffic engineer.
7. "Traffic study at the Municipality of Lagada" (1997). Municipality of Lagadas. Main traffic planner.
8. "Urban development and traffic planning for the inter-connection of the old and new developments at the Municipality of Oraiokastros" (1996). Municipality of Oraiokastros. Main traffic planner.
9. "Traffic study at the old town" (1996). Municipality of Thessaloniki. Planner.
10. "Parking study at the municipality of Abelokipoi" (1996), Municipality of Abelokipoi. Planner.
11. "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.
12. "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.
13. "Feasibility study, and preliminary engineering for the roadway corridor between Siatista - Kristallopi (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.
14. "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.
15. "Improvement of the geometric characteristics of 12 intersections along National Highway 11", Technical Bureau of the Prefecture of Thessaloniki", (1994-1996). Principal planner.
16. "Collection of geometric and operational data on the roadway and public transport networks - TSA 032" (1996), Attiko Metro A.E. Study team.
17. "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.
18. "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.
19. "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.
20. "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.
21. "Master Plan Study for an Environmentally - friendly Transport System in Budapest", EEC - PHARE Program, 1993-1995. Assistant coordinator.
22. "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.
23. "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.
 24. "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.
 25. "Design of new entrance and exit ramps along Route 78, and ramp metering", (1992). CALTRANS, San Diego California. Planner.
 26. Planning and design on and off ramps 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.
 27. "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.
 28. "Studies involving design of bridge joint seals at various locations", (1991) CALTRANS, San Diego California. Planner.
 29. "Installation of traffic signal, pedestrian crossing, and wheelchair ramp at the Calle Albara and Route 52 intersection", (1991) CALTRANS, San Diego California. Planner.
 30. "Coordinated signalization along Route 78". (1991) CALTRANS, San Diego California. Planner.
 31. "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.
 32. "Left-turn pockets design along Orange Blvd", (1991) CALTRANS, San Diego California. Planner.
 33. "Chip seal overlay and realignment of the traffic lanes on Jamacha Rd", (1991) CALTRANS, San Diego California. Planner.
 34. "Expressway maintenance plans and asphalt replacement", (1991) CALTRANS, San Diego California. Planner.
 35. "Trip Characteristics of the agglomeration of Thessaloniki", (1987-1988). Aristotle University of Thessaloniki, Department of Civil Engineering, Transportation Engineering Laboratory. Ministry of Environment, and Public Works. Team coordinator.

PUBLICATIONS

Theses – Dissertations

- Nathanail E., "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 E., "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 E., "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.

Scientific journals

1. Danai Tzika-Kostopoulou, Eftihia Nathanail and Konstantinos Kokkinos, Big data in transportation: A systematic literature analysis and topic classification, Knowledge and Information Systems, 2024 (to appear).
2. Maria Karatsoli, Eftihia Nathanail, Socrates Basbas, Oded Cats, Crowdedness information and travel decisions of pedestrians and public transport users in the COVID-19 era: A stated preference analysis, Cities, Volume 149, 2024, 104973, ISSN 0264-2751, <https://doi.org/10.1016/j.cities.2024.104973>
3. Kokkinos K., Nathanail E. (2023). A Fuzzy Cognitive Map and PESTEL-Based Approach to Mitigate CO2 Urban Mobility: The Case of Larissa, Greece. Sustainability 15(16):12390. <https://doi.org/10.3390/su151612390>
4. Maria Karatsoli, Eftihia Nathanail, Use of GPS and self-reported data to evaluate daily trips and the impact of travel information, Transportation Research Procedia, Volume 72, 2023, Pages 1082-1089, ISSN 2352-1465, <https://doi.org/10.1016/j.trpro.2023.11.539>
5. Savva, G., Adamos, G., Nathanail, E. (2023). Bicycle Sharing Systems: A Comparative Analysis in Greece and Cyprus. In: Kabashkin, I., Yatskiv, I., Prentkovskis, O. (eds) Reliability and Statistics in Transportation and Communication. RelStat 2022. Lecture Notes in Networks and Systems, vol 640. Springer, Cham. https://doi.org/10.1007/978-3-031-26655-3_31
6. Karatsoli, M., Nathanail, E. (2023). Social Media and Urban Mobility Choices: How a Transport-Related Content Could Be Influential in Social Media. In: Nathanail, E.G., Gavanas, N., Adamos, G. (eds) Smart Energy for Smart Transport. CSUM 2022. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Cham. <https://doi.org/10.1007/978-3-031-23721->

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7. Xyidianou, T., Nathanail, E. (2023). The Use of Drones in City Logistics—A Case Study Application. In: Nathanail, E.G., Gavanas, N., Adamos, G. (eds) Smart Energy for Smart Transport. CSUM 2022. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Cham. https://doi.org/10.1007/978-3-031-23721-8_98
8. Papaioannou, G., Nathanail, E., Polydoropoulou, A. (2023). A Hybrid MCDA Methodology to Evaluate Ferry Fleet Assignment to Routes in the Greek Islands. In: Nathanail, E.G., Gavanas, N., Adamos, G. (eds) Smart Energy for Smart Transport. CSUM 2022. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Cham. https://doi.org/10.1007/978-3-031-23721-8_119
9. Kokkinos, K., Nathanail, E. (2023). An FCM Approach to Achieve Near Zero-CO2 Urban Mobility: The Case of Larissa, Greece. In: Nathanail, E.G., Gavanas, N., Adamos, G. (eds) Smart Energy for Smart Transport. CSUM 2022. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Cham. https://doi.org/10.1007/978-3-031-23721-8_133
10. Konstantinos Kokkinos, Eftihia Nathanail, Vassilis Gerogiannis, Konstantinos Moustakas, Vayos Karayannis, Hydrogen storage station location selection in sustainable freight transportation via intuitionistic hesitant decision support system, Energy, 2022, 125008, ISSN 0360-5442, <https://doi.org/10.1016/j.energy.2022.125008>.
11. Zaitouny, A.; Fragkou, A.D.; Stemler, T.; Walker, D.M.; Sun, Y.; Karakasidis, T.; Nathanail, E.; Small, M. Multiple Sensors Data Integration for Traffic Incident Detection Using the Quadrant Scan. Sensors 2022, 22, 2933. <https://doi.org/10.3390/s2082933>.
12. Karakikes, I.; Nathanail, E., Assessing the Impacts of Crowdshipping Using Public Transport: A Case Study in a Middle-Sized Greek City. Future Transp. 2022, 2, 55–83. <https://doi.org/10.3390/futuretransp2010004>.
13. Kokkinos, K., Karayannis, V., Nathanail, E. Moustakas, K., (2021). “A comparative analysis of Statistical and Computational Intelligence methodologies for the prediction of traffic-induced fine particulate matter and NO2”. Journal of Cleaner Production, Volume 328, 15 December 2021, 129500, ISSN 0959-6526, <https://doi.org/10.1016/j.jclepro.2021.129500>.
14. Nathanail, E., Karakikes, I., Mitropoulos, L. & Adamos, G., (2021). “A sustainability cross-case assessment of city logistics solutions”. Case Studies on Transport Policy, Volume 9, Issue 1, March 2021, Pages 219-240. ISSN 2213-624X. DOI: 10.1016/j.cstp.2020.12.005.
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16. Karatsoli, M. & Nathanail, E., (2021). “Social Influence and Impact of Social Media on Users’ Mobility Decisions”. Journal of Sustainable Development of Transport and Logistics, Vol 6 No 1. DOI: <http://dx.doi.org/10.14254/jsdtl.2021.6-1.3>.
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Key-notes / Invited speeches

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5. Eftihia Nathanail, University of Thessaly & Marco Mazzarino, IUAV Venice University – Integration of passenger and freight transport in Venice and use of NOVELOG evaluation tool,

- CIVITAS Urban Freight Conference, Brussels, 23-24 April 2018.
6. Eftihia Nathanail, Lambros Mitropoulos, Maria Karatsoli, 2018. "A roadmap of analysis requirements of quantitative and qualitative big data for transport applications", COST TU1305 Final Conference, February 14-15, 2018.
 7. Karakikes Ioannis, Nathanail Eftihia, "Evaluation of social delivery as key-measure to last mile distribution", COST TU1305 Final Conference, Milan, Italy, 14-16 February 2018.
 8. Eftihia Nathanail, 2017. A multistakeholder multicriteria decision support platform for assessing Urban Freight Transport measures, Keynote speech, RelStat2017, October 18-21 2017, Riga, Latvia.
 9. Eftihia Nathanail, 2015. "Capturing the user experience into transport project design". MIND-sets: Expert Workshop New transport technologies, different human behavior, Barcelona, October 29-30, 2015.
 10. Eftihia Nathanail, 2015. "Transportation interchanges as a key component of sustainable urban mobility the european experience", Keynote speech, RelStat2015, October 21-24, 2015, Riga, Latvia.
 11. Eftihia Nathanail, 2015. "Making reality a successful interchange". City-HUB Final Conference, Lille, 19 February 2015.
 12. "Good Practices "Internship" at the Department of Civil Engineering" Eftihia Nathanail, Scientific Coordinator of Internship, Department of Civil Engineering, May 6, 2015, Volos.
 13. Eftihia Nathanail, 2014. "Impact assessment of ITS for urban freight transport", ITS Next: the final event of SEE-ITS, Thessaloniki, September 22-23, 2014.
 14. Eftihia Nathanail, 2013. "Corridor management case study results", presented at the Green transport corridor management workshop 23.4.2013, Örebro, Sweden.
 15. Eftihia Nathanail, Giannis Adamos (2012), "Towards a coherent Decision-Making Framework", Conference on Interconnection between Short and Long-Distance Transport Networks, Prague, 11-13 November 2012.
 16. Eftihia Nathanail, Giannis Adamos (2012), "City-Hub - Innovative design for efficient urban transport interchanges", Conference on Interconnection between Short and Long-Distance Transport Networks, Prague, 11-13 November 2012.
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 20. Eftihia Nathanail (2010), Road Safety Campaigns in Greece, workshop on road safety "European best practices on road safety", Zappeion, FERSI, CERTH, Ministry of Infrastructure, Transportation and Networks, 21-22 February.
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 25. De Dobbeleer W., T. Nathanail, 2009 "The CAST campaigns – Belgium and Greece", Final CAST Conference 6th Framework Programme, Brussels, January 26-27.
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 32. T. Nathanail, "DYNAMIC TRAFFIC ASSIGNMENT THROUGH MACROSCOPIC AND MICROSCOPIC MODELLING WITH EMME/2", 10th European EMME/2 Users Group Conference, Thessaloniki, 31/5 – 1/6/2001.
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 34. E. Nathanail, "Vehicle systems towards avoiding and managing road incidents", Workshop Accidents – Vulnerable users of road traffic, EFTHITA, Ioannina, October 2000.
 35. T. Nathanail, Methodology for the analysis of traffic accidents and network dangerousness" – Assessment of measures for the enhancing of road safety level WORKSHOP Road safety – Transportation – TCG Peloponnesus – University of Thessaly - HITE, Nafplio, October 2000.
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 39. Nathanail T., "MITHOS - Open Architecture for the Monitoring of Intermodal Transportation of Hazardous Goods", 1st MITHOS Workshop on Hazardous Goods Transportation, MITHOS Consortium, Brussels, September 1994.
- Selected reports
1. Panos D. Prevedouros, M Mintu Miah, Eftihia Nathanail, "Effects of Reading Text while Driving: A Driving Simulator Study", with University of Hawaii at Manoa for the Center of Safety Equity in Transportation (CSET), USDOT Tier 1 University Transportation Center, Research and Innovative Technology Administration (RITA), February 28, 2020.
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 14. Nathanail, E., Adamos, G., Karakikes, I. & Mitropoulos, L., 2016. Dissemination Material II, Deliverable D5.6, ALLIANCE Project.
 15. Nathanail, E., Adamos, G., Mitropoulos, L., Karakikes, I., Meier, O., Poenicke, O., Strubelt, H., Weigert, D., Matzner, K., Fischer, E., Yatskiv (Jackiva), I., 2016. Course material on smart

- solutions for the interconnection of transportation networks, Deliverable D2.3, ALLIANCE Project.
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 17. Nathanail, E., Mitropoulos, L. & Adamos, G., 2016. Research educational and training program in Latvia and the region, Deliverable D2.2, ALLIANCE Project.
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 19. Nathanail, E., Adamos, G., & Karakikes, I., 2016. Assessment of educational/training program implementation with updates by UTH, Deliverable D3.2, ALLIANCE Project.
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 21. Nathanail, E., Adamos, G. & Karakikes, I., 2016. Dissemination Material I, Deliverable D5.5, ALLIANCE Project.
 22. Nathanail, E., Adamos, G., 2016. 1st Dissemination and exploitation plan, Deliverable D5.1, ALLIANCE Project.
 23. Nathanail, E., Adamos, G., Mitropoulos, L., Gogas, M., Karakikes, I., Iwan, S. & Kiba-Janiak, M., 2016. Life-cycle analysis process, Deliverable D3.1, NOVELOG Project.
 24. Monzón, A., Di Ciommo, F., Hernández, S., Nathanail, E., Adamos, G., Tsami, M., Poppeliers, R., Heddebaout, O., Jarvi, T., Nokkala, M., Kostianinen, J., Palmer, D., Harmer, C., Millard, K., Andersen, J., Christiansen, P., Gabor, A., Puzstai, A., Virag, A., Spousta, J., 2015. "City-HUB Handbook". Deliverable D5.2, City-HUB Project.
 25. Nathanail, E., Adamos, G. & Tsami, M., 2015. "Dissemination material V". Deliverable D8.7, City-HUB Project.
 26. Nathanail, E., Adamos, G. & Tsami, M., 201. "Report on conference presentations and publications II". Deliverable D8.9, City-HUB Project.
 27. Nathanail, E., Adamos, G. & Tsami, M., 2014. "Dissemination material IV". Deliverable D8.6, City-HUB Project.
 28. Nathanail, E., Adamos, G. & Tsami, M., 2014. "Dissemination material III". Deliverable D8.5, City-HUB Project.
 29. Nathanail, E., Adamos, G. & Tsami, M., 2014. "Report on conference presentations and publications I". Deliverable D8.8, City-HUB Project.
 30. 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.
 31. Nathanail, E., Adamos, G. & Tsami, M., 2013. "Dissemination material II". Deliverable D8.4, City-HUB Project.
 32. Nathanail, E., Adamos, G. & Tsami, M., 2013. Dissemination material I. Deliverable D8.3, City-HUB Project.
 33. Keseru, I., Adamos G., Vörös, A. & Albert, G., 2013. "Stakeholder consultation guidelines". Deliverable D7.1, City-HUB Project.
 34. Nathanail, E., Adamos, G. & Tsami, M., 2012. "Dissemination Plan". Deliverable D8.1, City-HUB Project.
 35. Nathanail, E., Adamos, G. & Tsami, M., 2012. "Website". Deliverable D8.2, City-HUB Project.
 36. 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.
 37. Nathanail E., Papoutsis K., Gogas M. and Adamos G., 2013. "Case: Management structure of a European logistics service provider" in Eckhardt, J. (ed.) "Transport Corridor Management Structure", International scientific study on Transport Corridor Management as part of the project Bothnian Green Logistics Corridor.
 38. Nathanail E., Papoutsis K., Gogas M. and Adamos G., 2012. "Case study: Thessaloniki Port, Greece". In: Christiansen P., Johansen B.G., Andersen J. and Eidhammer O.: Case studies: Results and synthesis. Deliverable 5.2 CLOSER Project, Annex A. Detailed case reports, 59 p.
 39. 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.
 40. Nathanail, E. & Adamos, G. (Eds), 2012. "Policy Advisory Group recommendations". Deliverable D4.2. CLOSER Project.

41. 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.
42. Ingrid Nagel, Eftihia Nathanail, Giannis Adamos, Jon Martin Denstadli, Olav Eidhammer, Jardar Andersen, 2011. "Emerging Mobility Schemes – Final Report". Deliverable D2.2, CLOSER Project.
43. 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.
44. De Dobbeleer, W., Nathanail, E. & Adamos, G., 2009. "Pan-European Road Safety Campaign: Final Report: Campaign Design". Deliverable 5.3, CAST Project.
45. 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.
46. 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.
47. 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.
48. 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.
- State Scholarships Foundation / IKY to supervisee for the successful completion of the dissertation entitled "Simulation and impact assessment of innovative systems for urban freight distribution" by Mr. Ioannis Karakikes (Contract agreement: 2018-050-0502-12585). The official start date of the scholarship was on 24.04.2018 and the end date on 24.04.2021.
- State Scholarships Foundation / IKY to supervisee for the successful completion of the dissertation entitled "Smart transportation systems for sustainable mobility with the use of big data" by Ms. Maria Karatsoli (Contract agreement: 2018-050-0502-12585). The official start date of the scholarship was on 24.04.2018 and the end date on 24.04.2021.
- Scholarship DEKA (Research, Innovation and Excellence Award) to PhD supervisee Danaï Tzika-Kostopoulou for the successful completion of the dissertation entitled: «Urban transportation planning based on position location social data» 1.10.2020 – 30.09.2024, Department of Civil Engineering, University of Thessaly.

COMMITTEES AND VISIBILITY

Scientific and professional associations

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

Committees /
Representations

- Member of the Committee of Member of the Committee of Transportation Safety Management Systems (ACS10) of the Transportation Research Board, 2016-2019, 2021-today.
- Member of the Risk Management Subcommittee of the AT040 of TRB, 2021-today.
- Member of the Transportation of Hazardous Material (AT040) of the Transportation Research Board, 2009-2021.
- Committee member for the Re-design of the educational and testing systems for drivers and trainers, Ministry of Infrastructure and Transport, General Secretariat of strategic planning of transport and road safety, 2020.
- Member of the Sustainable Mobility Committee, Directoriat of Sustainable Mobility, Municipality of Volos, representative of University of Thessaly, 2019-today.
- Moderator of “Young Researchers” seminar on “Sustainable Transport Interchanges”, Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia, 2017.
- Moderator of “Young Researchers” seminar on “Sustainable Transport Interchanges”, Organized by the ALLIANCE Consortium within the context of ALLIANCE European project, Riga, Latvia, 2016.
- Dangerous Goods Expert to the Transport Group Inland Surface Transport for a 3-year term, NATO, 2017-2020.
- National representative: TU COST Action TU1305: Social networks and travel behavior”, European Cooperation in Science and Technology – COST, supported by the EU RTD Framework Programme, 2014-2018.
- Experts group in MIND-SETS project, with focus on mobility innovations.
- Board of experts in TTRANS project, with focus on intelligent transportaiton systems.
- National representative in the Support Framework Business program 2000-2006.
- Advisory board of Foresight Technology, Greece.
- Advisory board of the European Thematic Network ROSEBUD.
- 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.
- Member of the Committee of Hazardous Material Transportation (AT040) of the Transportation Research Board, 2009-2021.
- Member of the Scientific Board of the Transport Institute, Center for Research and Technological Development (HIT - CERTH) 2008-2015.

Organizational and scientific
committees

- Chair of the Organizaing and Scientific committee of CSuM2024, 7th Conference on Sustainable Mobility, 4 – 6 September, 2024.
- Program member of EPIA 2023 Conference on Artificial Intelligence: Artificial Intelligence in Transportation Systems, Horta, Faial Island, Azores, 5 - 8 September, 2023.
- Member of the Scientific Committee of the 11th International Congress on Transportation Research (ICTR) 2023.
- Program member of EPIA 2022 Conference on Artificial Intelligence: Artificial Intelligence in Transportation Systems, Lisbon, 31 August – 2 September, 2022.
- Chair of the Organizing and Scientific committee of CSUM2022, 6th Conference on Sustainable Urban Mobility, 31 August – 2 September, 2022.
- Member of the International Scientific Committee rou "Construction Digitalisation for Sustainable Development: Transforming through Innovation" (CDSD2020),
- Program member of MLSM2020.
- Program member of EPIA 2020 Conference on Artificial Intelligence: Artificial Intelligence in Transportation Systems.
- Chair of the Organizing Committee and member of the Scientific Committee for the 5th Conference on Sustainable Urban Mobility, 17-19 June 2020.
- Member of the Program Committee of the EPIA 2019 Conference on Artificial Intelligence: Artificial Intelligence in Transportation Systems.
- Chair of the Organizing Committee and member of the Scientific Committee for the 4th Conference on Sustainable Urban Mobility, Skiathos Island, 24-25 May 2018.
- Chair of the Organizing Committee and member of the Scientific Committee for the 3rd Conference on Sustainable Urban Mobility, Volos, 26-27 May 2016.
- Scientific Committee 2nd International Conference “Green Cities 2016 – Green Logistics for

- Greener Cities, Szczecin, Poland.
- Member of the Scientific Committee of RELSTAT 2015 – 2018.
- Organizer of the i-MOBI Volos FORA Event, Volos, September 2015.
- Organizer of the 1st City-HUB Project FORA Event– Meeting with Local Stakeholders, Volos 5 May 2014.
- Chair of the Organizing Committee and member of the Scientific Committee for the 2nd Conference on 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 and member of the Scientific 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.

Editorial board of journals

- Nathanail. E. (2022): Journal: Safety. Issue Title: Transportation System Design
- Nathanail. E. (2022): Journal: Sustainability. Issue Title: Toward Sustainability: Transportation System Evaluation and Optimization
- Nathanail, Eftihia G., Adamos, G. and Karakikes, Ioannis D. (Eds.), Advances in Mobily as a Service Systems. Book series: Advances in Intelligent Systems and Computing, Springer, 2020
- Nathanail, Eftihia G., Adamos, G. (Eds.), Special Issue: Exploring Big Data Applications for Sustainable Urban Mobility, Transport and Telecommunication Journal, Sciendo, De Gruyter, November 2020
- Editorial board of Transport and Telecommunication Journal (since 2015)
- Nathanail, Eftihia G., Karakikes, Ioannis D. (Eds.), Data Analytics: Paving the Way to Sustainable Urban Mobility, Proceedings of 4th Conference on Sustainable Urban Mobility

(CSUM2018), 24 - 25 May, Skiathos Island, Greece, Advances in Intelligent Systems and Computing book series (AISC, volume 879), Springer, 2018. ISBN 978-3-030-02305-8, 1st ed. 2019, XIX, ISSN: 2194-5357

- Irina Yatskiv Jackiva, Eftihia Nathanail and Klaus Richter (Eds). Special Issue on Sustainable Transport Interchanges, Volume 19, Issue 3, Transport and Telecommunication Journal, ISSN: 1407-6179, 2018
- Nathanail, Eftihia, Gogas, Mihail (Eds): 3rd Conference on Sustainable Urban Mobility, 3rd CSUM 2016, 26 – 27 May 2016, Volos, Greece, Volume 24, Transportation Research Procedia, ISSN: 2352-1465

Reviewer in journals and conferences

Journals

- Advances in Transportation Studies
- Applied Sciences
- Case Studies on Transport Policy
- Climate
- Energies
- European Journal of Transport and Infrastructure Research
- Fresenius Environmental Bulletin
- Highlights of Vehicles
- Infrastructures
- International Journal of Environmental Research and Public Health
- International Journal of Sustainable Transportation
- International Journal of Transportation Informatics
- International Journal of Transportation
- Informatics
- Information
- Journal of Transport and Health
- Nature Sustainability
- Public Transport
- Reliability Engineering and System Safety
- Research in Transportation Business and Management
- Research in Transportation Economics
- Safety
- Socio-economic Planning Sciences
- Sustainable Cities and Society
- Sustainability
- Transport and Telecommunication Journal
- Transportation Research Part A (Elsevier)
- Transportation Research Part D (Elsevier)
- Transportation Research Record
- Transportation Research Review
- Travel Behavior and Society

Conferences

1. 8th Smart Data and Smart Cities (2024)
2. CDSD2020
3. MLSM2020
4. EPIA (yearly since 2019)
5. Green Cities (biannually since the 2st)
6. Transport Research Arena (TRA) (biannually since the 1st)
7. International Conference on Transportation Research (ICTR) (biannually from 1st)
8. Transportation Research Board
9. Annual Meeting of TRB (από το 2009)
10. International Conference on Road Safety and Simulation (από το 2009)
11. 13th WCTR
12. RelStat (yearly since 2014)
13. International Conference on Road Safety and Simulation (since the 3rd)
14. International Conference protection and restoration of the environment (since the 12th)
15. Conference on Sustainable Urban Mobility (since the 1st)