

LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A.
English Summary

The “LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A.” aims to support the educational and research activities of students and researchers at the Civil Engineering Department of the University of Thessaly.

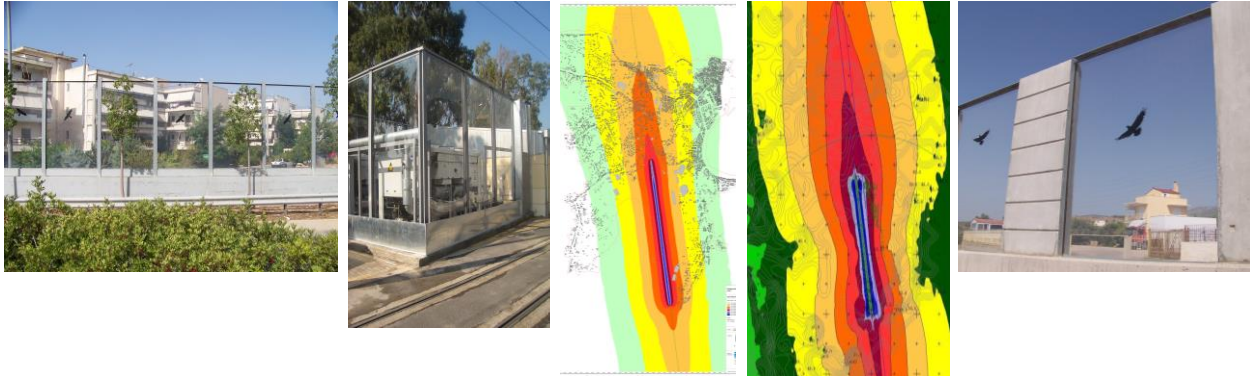
The Laboratory assists the creation of new inquiring directions, as well as for the aid of collaboration between all Laboratories of the Department of Civil Engineers and all other laboratories in the University. The head of LTEA is Dr. **Konstantinos VOGIATZIS** Associate Professor. The main objectives are:

1. The development and support of postgraduate and graduate educational and research programs.
2. The guidance and monitoring of postgraduate & Ph.D. research, in the frameworks of transportation design, including methodological, theoretical, scientific and technical aspects.
3. The collaboration with relevant Research Centres, Academic Institutes, Institutions and Technological Organisms in Greece as well as in the EU & overseas.
4. The development of researching and technological infrastructure so that postgraduate students are attracted to researching activities.
5. The organisation of seminars and congresses regarding the continuous information and education of all personnel and students.
6. The publication of Scientific Articles and Books.
7. The collaboration with Local Authorities, Municipalities and Research Institutes.
8. The continuous updating of Environmental Transportation Analysis Techniques.

The individual scientific sectors of the research and educational activities of the L.T.E.A., are:

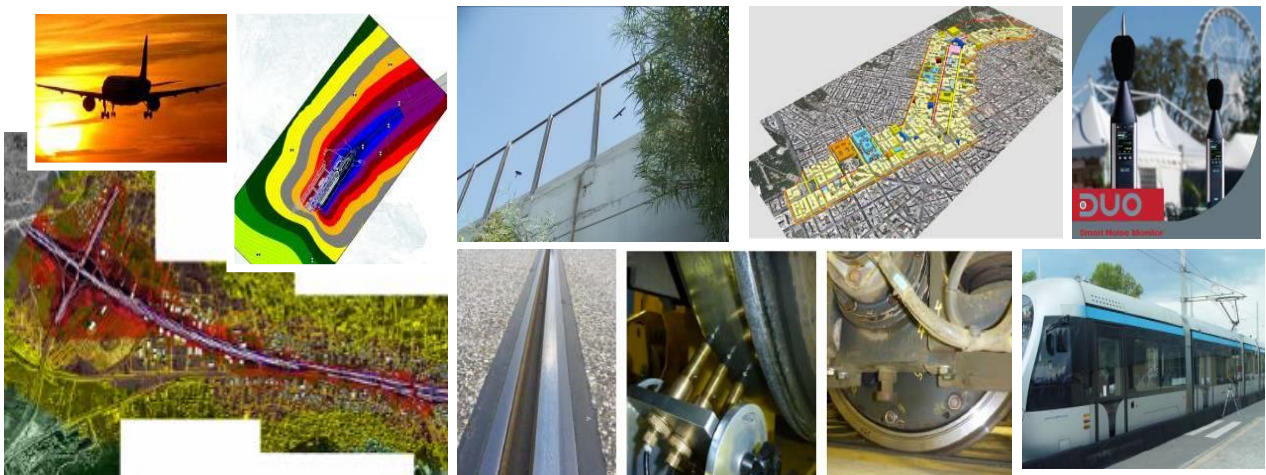
- Environmental Acoustics Research and sustainable operation management for Transportation Transit Systems in the frameworks of University’s Educational planning.
- Monitoring and Research of Changes and Developments in the National and International Policy for the protection from adverse impacts in the urban and suburban acoustic environment.
- Applications of Advanced Technology Monitoring Systems for airborne and ground-borne noise and vibration from the construction and operation of Transportation Projects - Acoustic measurements of airborne and ground-borne noise and vibration - Technical Specifications for advanced monitoring systems for the urban acoustic environment.
- Environmental Impacts Research regarding Noise and Vibration from the operation of ground (road systems and LRT systems), air and marine transportation projects.
- Anti noise and anti-vibration protection measures application & evaluation research, concerning the operation of Transportation Systems.
- Metrology of Ground Borne Noise & Vibration, Anti-vibration mitigation measures for Light Rail Transit Systems (LRT) design & effectiveness evaluation (floating slab, anti-vibration elastomers, elastic encapsulation of rails, squealing noise abatement systems, environmental noise absorption, etc).
- Urban Acoustic Landscape protection & Land use environmental planning.
- Noise protection of dwellings and other acoustically sensitive receptors from environmental transportation noise.
- Application of European Standards and Directives emphasizing on Environmental Noise and Vibration.
- Technical and Environmental Law with emphasis on the protection of the acoustic urban environment.

- Road traffic noise absorption of various road surfaces.
- Dynamic Prediction Modelling for airborne and ground borne noise from transportation projects - Strategic Noise Mapping & Noise Action Plans according to 2002/49/EC
- Noise Barrier Design & Acoustic calculation - Aesthetic design & evaluation of noise barrier types & various construction materials & shapes, in the context of upgrading the urban environment quality both acoustically and aesthetically



The “LABORATORY OF TRANSPORTATION ENVIRONMENTAL ACOUSTICS - L.T.E.A”, creates a supportive research environment guiding the student and the researcher to develop new ideas and to contribute in the continuous updated high level education increasing the competitiveness and consequently the effectiveness of the work of the Department of Civil Engineering.

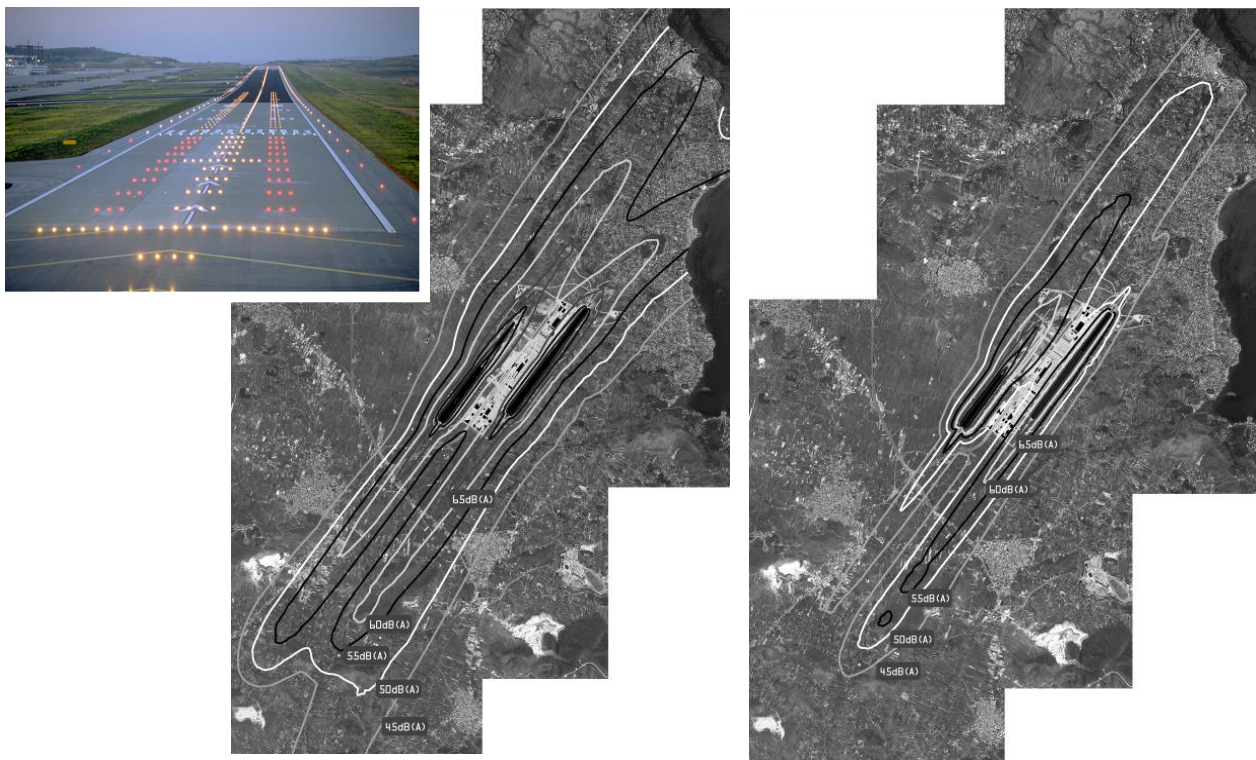
L.T.E.A uses the existing infrastructure of the Department, as well as recent high effective metrology equipment, assisting the research and educational work development. In the Laboratory’s installations, both students and research fellows can have access to various advanced acoustic & transportation equipment as well as very sophisticated software, ensuring the success in the completion of their research work.



SELECTED RESEARCH PROJECTS

1. Research Project: «Annual Monitoring of Road Traffic Noise from the operation of PATHE Motorway - E65, Skarfia - Raches Section» E.E. 5090, University of Thessaly - Dept of Civil Engineering, Kentriki Odos, 07/2015.
2. Research Project: “Specification Check of Air Pollution Stations” for the project of Aegean Motorway SA according to the relevant specifications for “Supply of permanent systems (stations) of Air Pollution & Meteorological parameters monitoring” E.E. 5026, University of Thessaly - Dept of Civil Engineering, AKTOR SA, 03/2015.
3. Research Project: «Strategic Noise Map 2011 (update of population data - Census 2011) & Strategic Noise Map (population data of census 2011)» E.E. 5000, University of Thessaly - Dept of Civil Engineering, AIA S.A. 2015.
4. Research Project: «Comparative evaluation of results of noise standards of INM & CadnaA (based on AzB 99) in Corfu Airport» E.E. 4945, University of Thessaly - Dept of Civil Engineering, DYNACOUSTICS SA 2014.
5. Research Project: «Investigation of parameters of combined environmental noise monitoring from mining and metallurgical facilities» E.E. 4881, University of Thessaly - Dept of Civil Engineering, ENVECO SA 2014.
6. Research Project: Impact investigation in the acoustic environment of 2 sub-areas in the framework of the project «Assessment on Environmental Noise in the framework application of the European Community Directive 2002/49/EC for the Greater Urban Areas of Thessaloniki - Serres : Study M1 (Center of Athens)», E.E. 4858, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2014.
7. Research Project: European Project Quiet Track for Sustainable Railway Infrastructures (Quiet Track) of the Seventh Framework Programme» E.E. 4814, University of Thessaly - Dept of Civil Engineering, TT&E Consultants SA 2014.
8. Research Project: «Investigating Impact acoustic environment of the project “Reconstruction of downtown Athens center on Panepistimiou Street” Groundborne Noise & Vibration from the operation of the Athens Tram, E.E. 4685», University of Thessaly - Dept of Civil Engineering, ENVECO SA 2013
9. Research Project: «Aircraft Noise Strategic Noise Map 2011, Athens International Airport», E.E. 4471, University of Thessaly - Dept of Civil Engineering, AIA SA 2012, Scientific Director K. Vogiatzis
10. Research Project: «Detection of harmful chemical agents and noise from road traffic in toll stations in R/S Spathovouni» E.E. 4345, University of Thessaly - Dept of Civil Engineering, MOREAS SA 2011, Scientific Director K. Vogiatzis
11. Research Project: “Detection of harmful chemical agents and noise at the stations of Attiki Odos tolls from emissions from passing vehicles for years 2012-2013-2014 E.E. 4287, University of Thessaly - Dept of Civil Engineering, ATTIKES DIADROMES SA 2012-2014 Scientific Director K. Vogiatzis
12. Research Project: “Monitoring Program in Noise & Vibration Permanent Stations & Training of TRAM’s staff » E.E 4271 University of Thessaly - Dept of Civil Engineering, TRAM SA 2011-2012 Scientific Director K. Vogiatzis
13. Research Project: «Annual Monitoring of Road Traffic Noise and air pollution from the operation of PATHE Motorway: Section Metamorphosi - Skarfia» E.E 4197 University of Thessaly - Dept of Civil Engineering, NEA ODOS SA 2010-2015, Scientific Director K. Vogiatzis
14. Research Project: “Noise monitoring program from the operation of PATHE Motorway, Section Maliakos - Klidi” E.E 4171 University of Thessaly - Dept of Civil Engineering, AEGEAN Motorway SA. 2010-2013, Scientific Director K. Vogiatzis

15. Research Project: «Configuration of specifications for acoustic measurements of environmental noise from the operation of the facilities of «HERON II VOIOTIA SA POWER GENERATION" & Support of scientific supervision and evaluation of noise emissions "Near Field" from GE», E.E 4150 University of Thessaly - Dept of Civil Engineering, TERNA SA, 2010, Scientific Director K. Vogiatzis
16. Research Project: «Recording of the Environmental Noise Level from the operation of the Attiko Metro SA trains in Cholargos shaft - Investigation of possible exceedance according to the environmental terms of the JMD for the Approval of Noise Terms», E.E. 4128 University of Thessaly - Dept of Civil Engineering, ATTIKO METRO, 2010, Scientific Director K. Vogiatzis
17. Research Project: “Noise Monitoring Program from the operation of the Regional Road of Volos & Preliminary consideration of future noise charges and urban areas in need of noise protection” E.E 4119 University of Thessaly - Dept of Civil Engineering, 2010, Prefectural Authority of Magnesia, 2010, Scientific Director K. Vogiatzis
18. Research Project: «Complete configuration of the necessary technical specifications of the Programme Road Traffic Noise & Air Pollution Monitoring for the section of PATHE Motorway “Maliakos - Kleidi” E.E 3873 University of Thessaly - Dept of Civil Engineering, AEGEAN MOTORWAY SA 2009, Scientific Director K. Vogiatzis
19. Research Project: «Detection of harmful chemical agents and noise at the stations of Attiki Odos tolls from emissions from passing vehicles for years 2009-2010-2011» E.E. 3854, University of Thessaly - Dept of Civil Engineering, ATTIKES DIADROMES S.A. 2009-2011, Scientific Director K. Vogiatzis
20. Research Project: «Extension of Mobile stations Monitoring Program (MS) of noise and vibrations for the year 2007 and mobile (MS) and permanent (PS) of noise and vibrations for years 2008, 2009 & 2010 Maintenance & Calibration of equipment for the year 2008 Maintenance of equipment for the year 2009, maintenance & calibration of equipment for the year 2010" E.E. 3223 University of Thessaly - Dept of Civil Engineering, TRAM SA 2008-10, Scientific Director K. Vogiatzis



SELECTED PUBLICATIONS FROM 2010

Books and Special Editions

1. K. Vogiatzis and G. Kouroussis, **Airborne and groundborne noise and vibrations from urban rail transit systems**, INTECH, "Urban Transport Systems", 25 pages, ISBN 978-953-51-4939-2 book edited by Hamid Yaghoubi, ISBN 978-953-51-2874-8, Print ISBN 978-953-51-2873-1, Published: January 18, 2017 under CC BY 3.0 license.
2. K. Vogiatzis, **Environmental Engineering & Institutional Framework for Implementation**, 3rd Edition, Symmetria, Publications, 2015, 584 pages.
3. K. Vogiatzis, **Common Noise Assessment Methods in Europe, (Cnossos - EU)**, To be used by the EU Member States for strategic noise mapping following adoption as specified in the Environmental Noise Directive 2002/49/EC, *JRC (Joint Research Centre) Reference Reports*, 2012.
Cnossos - EU Technical Committee WG/DT1-Quality framework
Cnossos - EU Technical Committee WG/DT2-Road traffic noise source emission
Cnossos - EU Technical Committee WG/DT10-Assigning noise levels and population to building
4. K. Vogiatzis, **Environmental Engineering & Institutional Framework for Implementation**, 2nd Edition, Symmetria, 2012, 530 pages.
5. K. Vogiatzis, **Environmental Engineering & Institutional Framework for Implementation**, 1st Edition, Symmetria, June 2010.
6. K. Vogiatzis, S. Chaikali, A. Chatzopoulou, **Protection of the Greek Noise Landscape - Institutional Framework of the Environmental Noise**, Papasotiriou Publications, 2009, 256 pages.
7. K. Vogiatzis, **Inventaire des cartes de Bruit Européennes et application d' une méthodologie basée sur l' écoute réactivée, Rapport Final**, Etude réalisée dans le cadre de l' appel d' offres du Ministère de l' Environnement de France sur la Gestion de l' Environnement Urbain Sonore (GEUS II) Subvention de Recherche no 93311, 1998, ET&T Consulting Engineers Ltd, Directeur du projet Dr. Ing. K. Vogiatzis (110 pages).
8. C. Vogiatzis, S. Rueda Y Palenzuela, A. Franchini, J. Celma-Celma, **Etude comparative pour l'introduction du bruit comme paramètre de qualité de vie et de planification des centres urbains des villes sud-Européennes**. le cas de: Barcelone (E), Modene (I), Saragosse (E), Rhodes (GR). Research Programme GEUS Ministry of Environment, France (SRETIE) 1992, Coordinateur du projet Dr. Ing. C. Vogiatzis (235 pages).
9. K. Vogiatzis, **Air pollution from traffic - The case of Ioanni Drossopoulou str.**, Research programme funded by Research Committee of NTUA, Athens, Sept. 1981 (190 pages).
10. K. Vogiatzis, **Mopeds in the Urban Environment**, Research programme funded by Research Committee of NTUA, Athens, Sept. 1981 (97 pages).

Papers in International and Greek Journals

1. K. Vogiatzis, G. Kouroussis, **Environmental Ground-Borne Noise & Vibration from Urban Light Rail Transportation during Construction and Operation**, Current Pollution Reports, Under review, DOI 10.1000/s40726-017-0059-3, May 2017.
2. G. Kouroussis, K.E. Vogiatzis, D.P. Connolly, **A combined numerical / experimental - prediction method for urban railway vibration**, Soil Dynamics and Earthquake Engineering 97, (2017), Elsevier, <http://dx.doi.org/10.1016/j.soildyn.2017.03.030>, pages 377-386.
3. K. Vogiatzis, H. Mouzakis, **Groundborne noise and Vibration transmitted from subway networks to multi-storey reinforced concrete buildings**, under publication, ID STRA-2016-0133, Transport, Taylor & Francis on line, Dec 2016.
4. K. Vogiatzis, N. Remy, **Soundscape design guidelines through noise mapping methodologies: An application to medium urban agglomerations**, NOISE-D-16-00005,

- De Gruyter Editions / Noise Mapping Journal: Special issue on Recent Advances on Soundscape Research, 2017;4:1-19, DOI 10.1515/noise-2017-000, Dec 2016.
5. K. Vogiatzis, M. Petz, “**Noise score rating models for Q-Zones and embedded parks**”, De Gruyter Editions / Noise Mapping Journal, 2, 40-56, Special issue on Environmental noise aspects in EU funded projects, 10/2015.
 6. G. Kouroussis, D. Waddington & K. Vogiatzis, **Preface to special issue on “Railway-induced ground vibration and noise**, International Journal of Rail Transportation, Sept. 2015 <http://dx.doi.org/10.1080/23248378.2015.1086503>.
 7. K. Vogiatzis, “**Environmental noise and air pollution monitoring in the Athens ring road (Attiki Odoso): An important parameter for a sustainable urban development**”, Int. Journal of Sustainable Development & Planning, Vol. 10, No 4 (2015) WIT PRESS, pages 528-543, (SCOPUS).
 8. K. Vogiatzis, G. Kouroussis, “**Prediction and efficient control of vibration mitigation using floating slabs: Practical application at Athens metro lines 2 and 3**”, International Journal of Rail Transportation, 2015, Taylor & Francis Group. Vol. 3, No 4, 215-232, <http://dx.doi.org/10.1080/23248378.2015.1076622>.
 9. G. Kouroussis, D. P. Connolly, G. Alexandrou, & K. Vogiatzis, “**Railway ground vibrations induced by wheel and rail singular defects**”, Vehicle System Dynamics, 2015 Vol. 53, No. 10, 1500-1519, <http://dx.doi.org/10.1080/00423114.2015.1062116>.
 10. G. Kouroussis, D. P. Connolly, K. Vogiatzis, and O. Verlinden, Research Article “**Modelling the Environmental Effects of Railway Vibrations from different Types of Rolling Stock: A Numerical Study**”, Shock and Vibration, Volume 2015, Article ID 142807, 15 pages, Hindawi Publishing Corporation, <http://dx.doi.org/10.1155/2015/142807>.
 11. Vogiatzis K, Vanhonacker P. **Noise reduction in urban LRT networks by combining track based solutions**. Science of the Total Environment. 2016;568:1344-1354, doi:10.1016/j.scitotenv.2015.05.060.
 12. G. Kourouris, D. P. Connolly, G. Alexandrou, K. Vogiatzis, “**The effect of railway local irregularities on ground vibration**”, Transportation Research - Part D 39 (2015) 17-30: Transport and Environment 00 (2015) pages 14, published by ELSEVIER <http://dx.doi.org/10.1016/j.trd.2015.06.001>.
 13. K. Vogiatzis, P. Kopelias, “**Benefits and Limitations towards a sustainable road environment during the years of economic recession**”, WIT PRESS, Int. J. Sus. Dev. Plann. Vol. 10, No. 5, 701-712, (2015).
 14. K. Vogiatzis, N. Remy, Research Article: “**Strategic Noise Mapping of Herakleion: The Aircraft Noise Impact as a factor of the Int. Airport relocation**, Noise Mapping, Vol. 1, Issue 1 (Sept 2014), p. 15-31, De Gruyter Open.
 15. P. Kopelias, K. E. Vogiatzis, A. Skabardonis, “**The impact of congestion management on air pollution emissions in urban freeways**”, Int. Journal of Sustainable Development & Planning, Vol. 8, No 3 (2013) WIT PRESS, pages 400-412, (SCOPUS).
 16. K. E. Vogiatzis, “**Assessment of Environmental Noise due to Aircraft Operation at the Athens International Airport according to the 2002/49/EC Directive and the new Greek National Legislation**”, Applied Acoustics 84 (2014) pages 37-46, published by ELSEVIER <http://dx.doi.org/10.1016/j.apacoust.2014.02.019>.
 17. K. E. Vogiatzis, N. Remy “**From Environmental noise abatement to soundscape creation through strategic noise mapping in medium urban agglomeration in South Europe**”, Science of Total Environment (STOTEN), Accepted 25 Jul 2013, Article in Press, Sci Total Environ (2013), <http://dx.doi.org/10.1016/j.scitotenv.2013.07.098>, (SCOPUS).
 18. K.E. Vogiatzis, “**Environmental Noise and Vibration monitoring and assessment of major road transportation networks: The case of Elefsina (Athens) - Korinthos motorway (2008-2011)**”, Int. Journal of Sustainable Development & Planning, Vol. 8, No 2 (2013) WIT PRESS, pages 173-185, (SCOPUS).
 19. K. Vogiatzis, “**Athens Metro Extension Project to Piraeus Ground Borne Noise and Vibration Assessment and Control**”, International Journal of Mechanics, Issue 2, Vol. 6, 2012, pages 130-139, published by North Atlantic University Union/WSEAS (SCOPUS).

20. K. E. Vogiatzis, “An Assessment of Airport Environmental Noise Action Plans with Some Financial Aspects: The Case of Athens International “Eleftherios Venizelos””, International Journal of Acoustics and Vibration (IJAV), Vol. 17, No 4, December 2012, pages 181-190, published by the International Institute of Acoustics and Vibration (IIAV) (SCOPUS).
21. K. E. Vogiatzis, “Environmental ground borne noise and vibration protection of sensitive cultural receptors along the Athens Metro Extension to Piraeus”, Science of Total Environment (STOTEN), Vol. 439 November 2012, ISSN 0048-9697, pages 230-237, published by ELSEVIER (SCOPUS).
22. M. Paviotti, K. E. Vogiatzis, “On the outdoor annoyance from scooter and motorbike noise in the urban environment”, Science of Total Environment (STOTEN), Vol. 430, June 2012, ISSN 0048-9697, pages 223-230, published by ELSEVIER (SCOPUS).
23. K. E. Vogiatzis, “Protection of the cultural heritage from underground Metro vibration & ground borne noise in Athens centre: The case of Kerameikos Archaeological Museum & Gazi Cultural centre”, International Journal of Acoustics and Vibration (IJAV), Vol. 17, No 2, June 2012, pages 59-72, published by the International Institute of Acoustics and Vibration (IIAV) (SCOPUS).
24. P. Carels, Dot. Ing. K. Ophalffens & K. Vogiatzis, “Noise and Vibration evaluation of a floating slab in direct fixation turnouts in Haidari & Anthoupoli extensions of Athens metro lines 2 and 3”, INGEGNERIA FERROVIARIA, 6/2012, (p. 533-552) - I- “UNA TANTUM” AWARD - 2012 (SCOPUS).
25. K. E. Vogiatzis, “Airport Environmental noise mapping and land use management as an environmental protection action policy tool. The case of the Larnaka International Airport (Cyprus)”, Science of Total Environment (STOTEN), Vol. 424 May 2012, ISSN 0048-9697, pages 162-173, published by ELSEVIER (SCOPUS).
26. K. E. Vogiatzis, N. Eliou, “Environmental Noise, Hold Body Vibration & Air Pollution Monitoring within Toll Booths of the Athens Ring, Motorway Network: “ATTIKI ODOS”, International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 6 November 2011, pages 303-310, (IRECE/Abstracting and Indexing Information: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26).
27. N. Eliou, K. E. Vogiatzis, F. Kehagia “Tired Driver’s Behaviour Assessment using Innovative Instrumentation”, International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 6 November 2011, pages 311-315, (IRECE/Abstracting and Indexing Information: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26).
28. K. E. Vogiatzis, K. Psychas “Legal aspects on Environmental noise and urban soundscape rehabilitation in Mediterranean countries: the case of Greece”, Int. Journal of Sustainable Development & Planning, Vol. 7, No 4 (2012) WIT PRESS, article SDP319, pages 484- 494,(SCOPUS).
29. K. E. Vogiatzis, “On Environmental Ground Borne Noise & Vibration abatement by implementing Floating Slabs at Athens Metro network - Measurements campaign results”, WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT, ISSN: 1790-5079, Issue 11, Volume 7, November 2011, pages 359-370, (SCOPUS).
30. K. E. Vogiatzis, “Strategic Environmental Noise Mapping & Action Plans in Athens Ring Road (ATTIKI ODOS) - GREECE”, WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT, ISSN: 1790-5079, Issue 10, Volume 7, October 2011, pages 315-324, (SCOPUS).
31. K. E. Vogiatzis, “Environmental Vibration Monitoring & Assessment at sensitive receptors during METRO construction in Urban Centre of Thessaloniki, Greece”, WSEAS TRANSTATIONS on ENVIRONMENT and DEVELOPMENT ISSN: 1790-5079, Issue 9, Volume 7, September 2011. pages 255-264, (SCOPUS).
32. K. E. Vogiatzis, N. Katsianis, N. Eliou, E. Iliadou, “Effect of driver’s roadway familiarity on risk perception & driving behavior”, International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 1 March 2011, pages 60-65, (IRECE/Abstracting and Indexing Information: Academic Search Complete - EBSCO Information Services,

- Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26).
33. K. Vogiatzis, “**Noise Action Plans for the acoustic protection of urban areas around the Athens International Airport (A.I.A.) Strategic noise maps 2006 & 2011**”, Jan. 2010, Feb. 2011, Volume 5, No. 2 (Serial No. 39), pp. 104-111, Journal of Civil Engineering and Architecture, ISSN 1934-7359, USA - Abstracted / Indexed in: Database of EBSCO, Massachusetts, USA Chinese Database of CEPS, OCLC Cambridge Science Abstracts (CSA) Ulrich’s Periodicals Directory Summon.
 34. K. Vogiatzis, “**Squealing Noise in Sharp Curves in Athens Tram Network A Synthesis of Mitigation Measures & their effectiveness**” International Review of Civil Engineering (I.RE.C.E.), Vol. 2, n. 1 January 2011, pages 60-65, (IRECE/Abstracting and Indexing Information: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26).
 35. E. Eliadou, N. Eliou, K. Vogiatzis, **Investigation of vehicle drivers risk perception on the approach of level suburban nodes**, Technika Chronika, Scientific Publications of TEE.
 36. K. Vogiatzis. Th. Valkouma, **Road Transportation Noise: A basic Parameter of Environmental Planning in the countries of E.U. The European Directive 2002/49/EU the case of Egnatia Odos Motorway**, Scientific Journal ECON 3, Jan - Feb. 2011, pages. 86-91, March - Apr 2011, pages 92-95.
 37. K. VOGIATZIS, **Noise & Vibration theoretical evaluation & monitoring program for the protection of the ancient “Kapnikarea Church” from Athens Metro Operation**, International Review of Civil Engineering (I.RE.C.E.), Vol. 1, n. 5 November 2010, pages 328-333, (IRECE/Abstracting and Indexing Information: Academic Search Complete - EBSCO Information Services, Cambridge Scientific Abstracts - CSA/CIG, Index Copernicus (Journal Master List): Impact Factor 6.26).

Papers in Congress/Conference proceedings with reviewers

1. DP Connolly, KE Vogiatzis, G. Kouroussis, **HYBRID EXPERIMENTAL - NUMERICAL APPROACH TO PREDICT GROUND VIBRATIONS FROM LOCALISED RAILWAY DEFECTS**, Railway Engineering - 2017, 14th International Conference & Exhibition, 21-22 June 2017, Edinburgh, Scotland.
2. K. Vogiatzis, G. Kouroussis, **Environmental road transportation noise monitoring. A necessary tool for the protection & Rehabilitation of the urban acoustic environment**, The 24th International Congress on Sound and Vibration ICSV24, 23-27 July 2017, London.
3. G. Kouroussis, K.E. Vogiatzis and D. P. Connolly, **A HYBRID TWO-STEP APPROACH FOR EVALUATING THE IMPACT OF RAIL LOCAL DEFECT ON BUILDING VIBRATION**, The 24th International Congress on Sound and Vibration ICSV24, 23-27 July 2017, London.
4. G. Kouroussis, K.E. Vogiatzis and D. P. Connolly, **A HYBRID NUMERICAL - EXPERIMENTAL ASSESSMENT OF RAILWAY GROUND VIBRATION IN URBAN AREA**, First International Conference on Rail Transportation, 10-12 July, 2017 Chengdu China
5. G. Kouroussis, H. Mouzakis, K. Vogiatzis, **Structural impact response for assessing railway vibration induced on buildings**, 5^{ieme} Colloque “Analyse Vibratoire Experimentale” INSA Centre Val de Loire, 15-17 November 2016, Blois, France.
6. V. Profillidis, K. Vogiatzis, Ch. Antoniadis, H. Mouzakis, **MONITORING AND ASSESSMENT OF VIBRATION DURING CONSTRUCTION OF ATHENS METRO EXTENTION TO PIRAEUS**, The 23nd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece
7. B. Halkias, K. Vogiatzis, F. Papadimitriou, D. Mandalozis, N. Kolettis, K. Drimeris, **STRATEGIC NOISE MAPPING AND NOISE ACTION PLANNING IN ATTICA TOLLWAY**, The 23nd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.

8. I. Constantinou, J. Constantinidou, K. Vogiatzis, Ch. Antoniadis, **STRATEGIC NOISE MAPPING AND NOISE ACTION PLANS OF NICOSIA, LIMASSOL, LARNACA AND PAFOS MAJOR ROADS - 1ST ROUND UNDER DIRECTIVE 2002/49/EU**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
9. J. Constantinidou, I. Constantinou, K. Vogiatzis, Ch. Antoniadis **STRATEGIC NOISE MAPPING AND NOISE ACTION PLANS OF NICOSIA AND LIMASSOL URBAN AGGLOMERATIONS AND ROADS - 2ND ROUND UNDER DIRECTIVE 2002/49/EU** The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
10. K. Vogiatzis, Ch. Antoniadis, **STRATEGIC NOISE PLAN OF ATHENS - INTRODUCING A LARGE SCALE ACTION PLAN AT THE HISTORIC CENTRE**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
11. D. Mandalozis, N. Kalfa, K. Vogiatzis, P. Kopelias, **TRAFFIC MANAGEMENT ACTIONS IN THE FRAMEWORK OF STRATEGIC NOISE MAPPING TOWARDS A SUSTAINABLE ENVIRONMENT - THE CASE OF ATTICA TOLLWAY**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
12. P. Kopelias, K. Vogiatzis, N. Eliou, K. Kepaptsoglou, **SUSTAINABLE ROAD ACOUSTIC ENVIRONMENT AND ECONOMIC RECESSION**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
13. Em. Fragoulis, K. Vogiatzis, **ROAD TRAFFIC NOISE MITIGATION MEASURES: A BASIC PARAMETER IN THE ENVIRONMENTAL DESIGN POLICY AT OLYMPIA ODOS MOTORWAY**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
14. P. Kopelias, K. Vogiatzis, Ch. Antoniadis, **COST EVALUATION OF NOISE BARRIERS IMPLEMENTATION IN THE GREEK HIGHWAY NETWORK**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
15. N. Remy, K. Vogiatzis, **"SOUNDSCAPE & LAND USES MANAGEMENT AS COMPREHENSIVE ENVIRONMENTAL PROTECTION ACTION POLICY TOOL WITHIN THE STRATEGIC ENVIRONMENTAL NOISE MAPPING IN GREECE"**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
16. H. Mouzakis, K. Vogiatzis, **GROUND-BORNE NOISE AND VIBRATION TRANSMITTED FROM SUBWAY NETWORKS TO A TYPICAL ATHENIAN MULTI-STOREY REINFORCED CONCRETE BUILDING**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece
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21. N. Manara, K. Vogiatzis, Ch. Antoniadis, I. Boulieris **ROAD TRAFFIC NOISE MONITORING PROGRAM FOR THE OPERATION OF "NEA ODOS S.A." MOTORWAY, AT THE SECTIONS: METAMORFOSSI - SKARFIA (PATHE MOTORWAY) & ARTA AND AGRINIO URBAN AGGLOMERATIONS BY PASS (IONIA MOTORWAY)**, The 23rd International Congress on Sound and Vibration ICSV23, 10-14 July 2016, Athens Greece.
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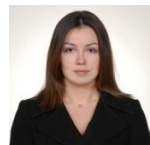
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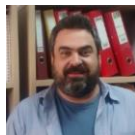
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