

PERSONAL INFORMATION

Lambros Mitropoulos

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EDUCATION

2008-2011

PhD

University of Hawaii, Manoa (USA)

University of Hawaii, Manoa U.S. Department of Civil and Environmental Engineering

- Dissertation: Sustainability framework for urban transportation modes and exploratory applications

2005-2006

Master of Science in Transport

University of London, UK

Imperial College of Science, Technology & Medicine & University College London

Department of Civil and Environmental Engineering

- Thesis: Defining highway uniformity and its effect on road safety

2005-2006

Diploma of Imperial College (DIC) in Transport

Imperial College of Science, Technology & Medicine, UK

Department of Civil and Environmental Engineering

- Thesis: Defining highway uniformity and its effect on road safety

2004-2005

Master of Science in Civil Engineering

University of Brighton, UK

Department of Civil and Environmental Engineering

- Thesis: Seismic retrofitting of bridges using a dissipative bracing system of low invasivity

2001-2004

Bachelor of Engineering (First Class Honors)

University of Brighton, UK

Department of Civil and Environmental Engineering

- Thesis: Wastewater treatment technology with reference to the activated sludge process

ACADEMIC EXPERIENCE

Dec. 2019 –

Research Associate

Center for Research and Technology Hellas (CERTH)

Hellenic Institute of Transport (HIT), Athens, Greece.

Department B: Infrastructure, Networks, Mobility and Logistics

Laboratory B5: Rail Transport System and Services

May. 2019 -

Postdoctoral Researcher

National Technical University of Athens

School of Rural and Surveying Engineering

Sep. 2012 – Sep. 2021

Research Affiliate

University of Hawaii, Manoa
Department of Civil and Environmental Engineering. Honolulu USA.
Traffic and Transportation Laboratory

Mar. 2016 - Mar 2018 **Senior Research Associate**
University of Thessaly
Department of Civil Engineering, Volos Greece.

Sept. 2013 – Feb. 2016 **Research Associate**
Center for Research and Technology Hellas (CERTH)
Hellenic Institute of Transport (HIT), Athens, Greece.

Jan. 2012 – May 2012 **Postdoctoral Researcher**
University of Hawaii, Manoa
Department of Civil and Environmental Engineering. Honolulu USA.

Jan. 2011 – Dec. 2011 **Teaching Assistant**
University of Hawaii, Manoa
Department of Civil and Environmental Engineering. Honolulu USA.

Jan. 2008 – Dec. 2011 **Research Assistant**
University of Hawaii, Manoa
Department of Civil and Environmental Engineering. Honolulu USA.

PROFESSIONAL EXPERIENCE

May 2010 – Aug. 2011 **Citizen's Advisory Committee (CAC) for the Statewide Pedestrian Masterplan**
Oahu Metropolitan Planning Organization, Hawaii USA.

TEACHING EXPERIENCE

Spring 2019 - **Adjunct Lecturer**
University of West Attica
Department of Civil Engineering, Athens Greece

- Railway Engineering, 8th Semester, Undergraduate course

Fall 2019 **Adjunct Lecturer**
University of West Attica
Department of Civil Engineering, Athens Greece

- Airport planning and design, 9th Semester, Undergraduate course

2010-2012 **Teaching Assistant**
University of Hawaii, Manoa
Department of Civil and Environmental Engineering. Honolulu USA.

- Sustainable infrastructure (Fall 2011)
- Mechanical structures II (Spring 2011)
- Transportation engineering (Spring 2010)

RESEARCH EXPERIENCE

- [1] **HYPERNEX** – Ignition of the European Hyperloop Ecosystem. HORIZON 2020 Shift2Rail Joint, HORIZON 2020 research and innovation programme. S2R-OC-IPX-01-2020: Innovation in guided transport (CSA). 2020-2021. Hellenic Institute of Transport.
- [2] **IP4MAAS** - Shift2Rail IP4 to support the deployment of Mobility as a Service. Shift2Rail Joint, HORIZON 2020 research and innovation programme, 2018-2021. Hellenic Institute of Transport.
- [3] **Assets4Rail** – Measuring, monitoring and data handling for railway assets; bridges, tunnels, tracks and safety systems. Shift2Rail Joint, HORIZON 2020 research and innovation programme, 2018-2021. Hellenic Institute of Transport.
- [4] **WareM&O** – **Warehouse Match & Optimize. Αξιοποίηση & αναβάθμιση ανεκμετάλλευστων αποθηκευτικών χώρων, με έμφαση τα μεγάλα αστικά κέντρα.** MIS 5030210 / T1ΕΔΚ-04383. RESEARCH – CREATE - INNOVATE. 04/06/2018 - 03/06/2020. Hellenic Institute of Transport.
- [5] **RIDE2RAIL** – Travel Companion enhancements and RIDE-sharing services synchronised to RAIL and Public Transport. HORIZON 2020 Mobility for Growth, 2020-2023. Hellenic Institute of Transport. Budget:
- [6] **E-FERRY** – Prototype and full-scale demonstration of next generation 100% electrically powered ferry for passengers and vehicles. HORIZON 2020 Mobility for Growth, 2015-2020. Hellenic Institute of Transport.
- [7] **TCO4AEV** – A Total Cost of Ownership Model for Automated and Electric Vehicles. ESPA - Supporting researchers with an emphasis on young researchers - Round B. 2019-2020. National Technical University of Athens.
- [8] **SWAN** – a digital Solid Waste reuse platform for BalkaN. Interreg INTERREG Balkan-Mediterranean 2014-2020. 2017-2020.
- [9] **ALLIANCE** – Enhancing excellence and innovation capacity in sustainable transport interchanges, H2020-TWINN-2015, 1/1/2016-31/12/2018. University of Thessaly.
- [10] **NOVELOG** – New Cooperative Business models and guidance for Sustainable Models and guidance for Sustainable City Logistics, European Commission, HORIZON 2020 Mobility for Growth, 2015-2018. University of Thessaly.
- [11] **KRIPIS** – Interdisciplinary Research Collaboration (CERTH) in the field of Energy and Environment. Ministry of Education and Religious Affairs: General Secretariat for Research and Technology. 1/5/2013 – 31/12/2015. Hellenic Institute of Transport.
- [12] **SMILE** – Smart Green Innovative Urban Logistics for Energy Efficient Mediterranean Cities. Programme MED. 1/1/2013 - 30/6/2015. Hellenic Institute of Transport.
- [13] **Pre-Feasibility Study** of ro-ro vessels between Thessaloniki, Greece and Novorossiysk, Russia. 2014. Hellenic Institute of Transport.
- [14] **SOLUTION** – Sharing Opportunities for Low carbon Urban TransportatION. European Commission - 7th Framework Programme. 1/5/2013 - 29/4/2016. Hellenic Institute of Transport.
- [15] **FUTRE** – Future Prospects on Transport Evolution and Innovation Challenges for the Competitiveness of Europe. European Commission - 7th Framework Programme. 1/10/2012 - 30/9/2014. Hellenic Institute of Transport.
- [16] **TRI-VALUE** - Ex-post evaluation of Transport Research and Innovation in the FP7. European Commission - 7th Framework Programme. 5/1/2013 - 5/1/2014. Hellenic

Institute of Transport.

- [17] **TRAFFIC FORECASTING GUIDELINES.** Project funded by the Federal Highway Administration (FHWA) (80%) and the Highways Division, State of Hawaii DOT (20%). 1/05/2012 – 1/12/2014. University of Hawaii, Manoa.
- [18] **HAVO TRAFFIC AND PARKING: CURRENT ISSUES, FUTURE SOLUTIONS.** Hawaii Volcanoes National Park (HAVO), Department of the Interior, (100%). 1/08/2009 – 1/07/2010. University of Hawaii, Manoa.
- [19] **HIGHWAY TRAFFIC NOISE ANALYSIS AND ABATEMENT GUIDELINES.** Project funded by the Federal Highway Administration (FHWA) (80%) and the Highways Division, State of Hawaii DOT (20%). 1/10/2006 – 1/12/2011. University of Hawaii, Manoa.
- [20] **An investigation of ASIM 29X, CANOGA, RTMS, SAS-1 AND SMART SENSOR FOR LTP, AVC (Automatic Vehicle Classification) AND RTTM (Real Time Traffic Management).** Project funded by the Federal Highway Administration (FHWA) (80%) and the Highways Division, State of Hawaii DOT (20%). 1/11/2007 – 1/10/2009. University of Hawaii, Manoa.

ADDITIONAL INFORMATION

Refereed journal publications

- [1] Nikiforiadis, A., **L. Mitropoulos**, P. Kopelias, N. Stamatiadis, S. Mpasbas (2022). “Exploring Mobility Pattern Changes between Before, During and After COVID-19 Lockdown Periods for Young Adults”. *Cities*, 123, 103662. <https://doi.org/10.1016/j.cities.2022.103662>
- [2] Kortsari, A., **L. Mitropoulos**, T. Heinemann, H. Mikkelsen, G. Aifadopoulou, (2022). “Evaluating the Economic Performance of a Pure Electric and Diesel Vessel: The Case of E-ferry in Denmark”. *Transactions on Maritime Science*.
- [3] Tzouras, P., **L. Mitropoulos**, E. Stavropoulou, E. Antoniou, K. Kolliou, C. Karolemeas, A. Karaloulis, K. Mitropoulos, M. Tarousi, E. Vlahogianni, K. Kepaptsoglou (2022). “Agent-based Models for Simulating E-scooter Sharing Services: A Review and a Qualitative Assessment”. Forthcoming in *International Journal of Transportation Science and Technology*. doi: <https://doi.org/10.1016/j.ijtst.2022.02.001>
- [4] **Mitropoulos, L.**, A. Kortsari, G. Aifadopoulou (2021). “A Systematic Literature Review of Ride-sharing Platforms, User Factors and Barriers” *European Transport Research Review*, 13(1), pp. 1-22. doi: <https://doi.org/10.1186/s12544-021-00522-1>
- [5] **Mitropoulos, L.**, A. Kortsari, G. Aifadopoulou (2021). “Factors Affecting Drivers to Participate in a Carpooling to Public Transport Service”. *Sustainability*, 13(16):9129. doi: <https://doi.org/10.3390/su13169129>
- [6] **Mitropoulos, L.**, Kortsari A., Kolliatos, A., Aifadopoulou G. (2021). “The Hyperloop System and Stakeholders: A Review and Future Directions”. *Sustainability*, 13(15), 8430. doi: <https://doi.org/10.3390/su13158430>
- [7] Flarris, K., **L. Mitropoulos**, K. Kepaptsoglou, K. Kouretas, E. Vlahogianni (2021). “Analysis of Total Cost of Ownership for Conventional and Alternative Vehicle Technologies: Evidence from France”. *Advances in Transportation Studies: An International Journal*, 55, pp.153-166.

- [8] **Mitropoulos, L.**, A. Antypas, K. Kepaptsoglou (2021). "Transportation Planning for Ferry Services by using a Continuous Approximation Model: The Case of the Aegean Islands, Greece". *Transportation Letters: The International Journal of Transportation Research*.doi: <https://doi.org/10.1080/19427867.2021.1901010>
- [9] Nathanail E., I. Karakikes, **L. Mitropoulos**, G. Adamos, (2021). "A Sustainability Cross-case Assessment of City Logistics Solutions". *Case Studies on Transport Policy*, Vol. 9(1), pp. 219-240.doi: <https://doi.org/10.1016/j.cstp.2020.12.005>
- [10] Nathanail E., G. Adamos, **L. Mitropoulos**, I. Karakikes, I. Yatskiv, (2020). "How Efficiently Educational Programs Prepare Professionals to Meet Current and Future Challenges of Transport Interchanges". *European Transport*, Issue 79(3), pp. 1-23.
- [11] **Mitropoulos, Lambros K.** and Pantelis Kopelias. (2019). "A Review and Comparison of Road Safety in Greece in Recent Years". *European Transport*, Issue 71(2), pp. 1-18.
- [12] Nathanail E., **L. Mitropoulos**, I. Karakikes, G. Adamos. (2018). "Sustainability Framework for Assessing Urban Freight Transportation Measures". *Logistics and Sustainable Transport*. Vol. 9(2), pp. 16-36. doi: <https://doi.org/10.2478/jlst-2018-0007>
- [13] Yatskiv, I., E. Nathanail, M. Savrasovs, G. Adamos, **L. Mitropoulos**. (2018). "Assessing Knowledge Level of Stakeholders on Transport Interchange Design and Operation". *Transport Journal*, Vol. 33(3), pp. 793-800. doi: <https://doi.org/10.3846/transport.2018.5400>
- [14] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2018). "A Conceptual Life Cycle based Sustainability Framework for Assessing Transportation Vehicles". *World Review of Intermodal Transportation Research*, Vol. 7 (4), pp. 351-370. doi: 10.1504/WRITR.2018.10015201
- [15] Karakikes, I., W. Hofmann, **L. Mitropoulos**, M. Savrasovs. (2018). "Evaluation of Freight Measures by Integrating Simulation Tools: The Case of Volos Port, Greece", *Transport and Telecommunication*, Vol. 19 (3), pp. 224-232. doi: 10.2478/ttj-2018-0019
- [16] **Mitropoulos, Lambros K.**, G. Adamos, E. Nathanail, I. Yatskiv, I. Kabashkin. (2017). "Building on European Scientific Excellence to Develop an Educational Program on Intermodal Connections for Latvia and the Region". *Transport Journal*, Vol. 32(1), pp. 79-93. doi: <http://dx.doi.org/10.3846/16484142.2017.1280851>.
- [17] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2016). "Incorporating Sustainability in Transportation Planning: An Urban Transportation Vehicle Based Approach". *Transportation Planning and Technology*, Vol 39, (5), pp. 439-463. doi: <http://www.tandfonline.com/doi/full/10.1080/03081060.2016.1174363>.
- [18] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2016). "Urban Transportation Vehicle Sustainability Assessment with a Comparative Study of Weighted Sum and Fuzzy Methods". *Journal of Urban Planning and Development*. Vol. 142, (4). doi: [http://ascelibrary.org/doi/full/10.1061/\(ASCE\)UP.1943-5444.0000336](http://ascelibrary.org/doi/full/10.1061/(ASCE)UP.1943-5444.0000336).

- [19] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2015). "Life Cycle Emissions and Cost Model for Urban Light Duty Vehicles". *Transportation Research Part D: Transport and Environment*, Vol.41, pp. 147–159. doi: <http://dx.doi.org/10.1016/j.trd.2015.09.024>.
- [20] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2014). "Multicriterion Sustainability Assessment in Transportation: Private Cars, Carsharing and Transit Buses". *Transportation Research Record: Journal of the Transportation Research Board*, No. 2403, Transportation Research Board of the National Academies, Washington, D.C., pp. 52-61. doi: <http://dx.doi.org/10.3141/2403-07>.
- [21] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2013). "Assessment of Sustainability for Transportation Vehicles". *Transportation Research Record: Journal of the Transportation Research Board*, No. 2344, Transportation Research Board of the National Academies, Washington, D.C., pp. 88-97. doi: <http://dx.doi.org/10.3141/2344-10>.

Conferences proceedings with
peer review

- [1] **Mitropoulos L.,** K. Kouretas, K. Kepaptsoglou, E. Vlahogianni (2021). "A Total Cost of Ownership Model for Hybrid, and Electric Semi-Automated and Automated Vehicles: A Case Study for France". 101st Annual Meeting of Transportation Research Board, Washington D.C. January 9-13, 2022.
- [2] **Mitropoulos, L.,** A. Kortsari, G. Aifadopoulou, (2021). "Carpooling to Public Transport: Exploring Drivers' Characteristics and Factors". 10th ICTR conference "Future Mobility and Resilient Transport: Transition to Innovation", Rhodes Island Greece, 2-3 September 2021.
- [3] Mpoi, G., C. Milioti, **L. Mitropoulos,** (2021). "Electromobility in Greece: A Research based on the Influence of Financial Incentives and other Factors on the Adoption of Electric Vehicles. 10th ICTR conference "Future Mobility and Resilient Transport: Transition to Innovation", Rhodes Island Greece, 2-3 September 2021.
- [4] Evgenikos P., **L. Mitropoulos,** C. Kikikoudis, G. Yannakakis, E. Handakas, P. Tzouras, K. Paraskevas, A. Voulodimou. (2021). "Προκλήσεις και Προτάσεις για ένα Βιώσιμο Εθνικό Σύστημα Σιδηροδρομικών Μεταφορών". 10th ICTR conference "Future Mobility and Resilient Transport: Transition to Innovation", Rhodes Island Greece, 2-3 September 2021.
- [5] **Mitropoulos L.,** K. Kouretas, K. Kepaptsoglou, E. Vlahogianni (2021). "Economic Assessment of Private Electric, Semi Automated and Automated Vehicles", 10th ICTR conference "Future Mobility and Resilient Transport: Transition to Innovation", Rhodes Island Greece, 2-3 September 2021.
- [6] **Mitropoulos L.,** K. Kouretas, K. Kepaptsoglou, E. Vlahogianni (2021). "A Comparative Study of Lifecycle Costs for Hybrid and Electric Vehicles". Transportation Research Days, BIVEC-GIBET, May 27-28, 2021, Delft, The Netherlands (online/hybrid conference).
- [7] **Mitropoulos L.,** K. Kouretas, K. Kepaptsoglou, E. Vlahogianni (2021). "Total Cost of Ownership for Automated and Electric Vehicles". 7th International Conference on Vehicle Technology and Intelligent Transport Systems - VEHITS, Online streaming, 28-30 April 2021, ISBN 978-989-758-513-5, pages 34-43. DOI: 10.5220/0010398800340043

- [8] Heinemann, T., A. Kortsari, **L. Mitropoulos**, G. Aifadopoulou, H. Mikkelsen (2021). "A Comprehensive Economic Assessment of Electric and Diesel Vessels". 100th Annual Meeting of Transportation Research Board, Washington D.C. January 25-29, 2021.
- [9] **Mitropoulos L.**, A. Kortsari, G. Aifadopoulou (2020). "Understanding Ride-sharing Systems in Urban Areas: The Role of Location, Users and Barriers". European Transport Conference, Milan Italy, 9-11 September 2020.
- [10] **Mitropoulos, Lambros K.**, A. Antypas, K. Kepaptsoglou (2019). "Continuous Approximation Model for Ferry Transportation Planning: The Case of Aegean Islands". 98th Annual Meeting of Transportation Research Board, Washington D.C. January 13-17, 2019.
- [11] Prevedouros, P., **L. Mitropoulos**. (2018) "Impact of Battery Performance on Total Cost of Ownership for Electric Drive Vehicles". 21st IEEE International Conference on Intelligent Transportation Systems, Maui, Hawaii, USA, November 4-7, 2018.
- [12] Prevedouros, P., **L. Mitropoulos**, G. Zhang. (2018) "Undergraduate Courses and Senior Year Track on Sustainability in Civil Engineering", ASCE International Conference on Transportation & Development (ICTD 2018), Planning, Sustainability, and Infrastructure Systems, pp. 213-222, Pittsburgh, PA, July 15-18, 2018.
- [13] Karakikes, I., W. Hofmann, **L. Mitropoulos**, M. Savrasovs. (2018). "Integrating Logistics and Transportation Simulation Tools for Long-term Planning", 4th Conference on Sustainable Urban Mobility, Skiathos, Greece, May 24-25, 2018. *Advances in Intelligent Systems and Computing, Data Analytics: Paving the Way to Sustainable Urban Mobility*, Vol. 897, pp. 807-814. DOI: <https://doi.org/10.1007/978-3-030-02305-8>
- [14] Nathanail. E., G.Adamos, I. Karakikes, **L. Mitropoulos**. (2018) "Does the Implementation of Urban Freight Transport Policies and Measures Affect Stakeholders' Behavior?", 4th Conference on Sustainable Urban Mobility, Skiathos, Greece, May 24-25, 2018. *Advances in Intelligent Systems and Computing, Data Analytics: Paving the Way to Sustainable Urban Mobility*, Vol. 897, pp. 831-838. DOI: <https://doi.org/10.1007/978-3-030-02305-8>
- [15] Samaras-Kamilarakis, S., P.A. Vogiatzakis, E. Nathanail and **L. Mitropoulos**. (2018). "The Contribution of Open Big Data Sources and Analytics Tools to Sustainable Urban Mobility", 4th Conference on Sustainable Urban Mobility, Skiathos, Greece, May 24-25, 2018. *Advances in Intelligent Systems and Computing, Data Analytics: Paving the Way to Sustainable Urban Mobility*, Vol. 897, pp. 706-713. DOI: <https://doi.org/10.1007/978-3-030-02305-8>
- [16] Nathanail. E., I. Karakikes, **L. Mitropoulos**, G.Adamos. (2018). "A Cross-case Assessment of City Logistics". Transportation Research Arena, Vienna-Austria, April 16-19, 2018.
- [17] Karakikes I., **L. Mitropoulos**, M. Savrasovs. (2017). "Evaluating Smart Urban Freight Solutions Using Microsimulation". Reliability and Statistics in Transportation and Communication (RelStat-17), 18-21 October 2017, Riga, Latvia. In: Kabashkin I., Yatskiv I., Prentkovskis O. (eds) Reliability and Statistics in Transportation and Communication. RelStat 2017. Lecture Notes in Networks and Systems, vol 36. Springer, Cham, pp 551-560. DOI 10.1007/978- 3-319-74454-4_53

- [18] Yatskiv, I.(Jackiva), Savrasovs M., Kabashkin I., Nathanail E., Adamos G., **Mitropoulos L.** (2017). "Knowledge Sharing Strategy as a Key Element of the H2020 Programme: Enhancing Excellence and Innovation Capacity in Sustainable Transport Interchanges (ALLIANCE) Project". 10th International Scientific Conference "Transbaltica 2017: Transportation Science and Technology. Vilnius Gediminas Technical University. May 4-5, 2017. *Procedia Engineering*, Volume 187, pp. 458-464. DOI:<https://doi.org/10.1016/j.proeng.2017.04.400>
- [19] **Mitropoulos, Lambros K.**, G.Adamos, E. Nathanail, I.Yatskiv, I.Kabashkin. (2017). "Developing an Educational Program for Transportation across Regions: The Case for Intermodal Connections for Latvia and the Region". 96th Annual Meeting of Transportation Research Board, Washington D.C. January 8-12, 2017.
- [20] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Xin Yu. (2017). "A Fuzzy and a Monte Carlo Simulation Approach to Assess Transportation Vehicles". 96th Annual Meeting of Transportation Research Board, Washington D.C. January 8-12, 2017.
- [21] Panos D. Prevedouros, **Lambros K. Mitropoulos.** (2016). "Life Cycle Emissions and Cost Study of Light Duty Vehicles". International Symposium on Enhancing Highway Performance (ISEHP), 7th International Symposium on Highway Capacity and Quality of Service, 3rd International Symposium on Freeway and Tollway Operations, June 14-16, 2016, Berlin. *Transportation Research Procedia*, Volume 15, pp. 749–760.
- [22] **Mitropoulos, Lambros K.** and Panos D. Prevedouros, Xin (Alyx) Yu, Eftihia G. Nathanail. (2016). "A Fuzzy and a Monte Carlo Simulation Approach to Assess Sustainability and Rank Vehicles in Urban Environment". 3rd Conference on Sustainable Urban Mobility, Volos, Greece, May 26 – 27, 2016. *Transportation Research Procedia*, Vol. 24, pp. 296-303. DOI: <https://doi.org/10.1016/j.trpro.2017.05.121>
- [23] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Pantelis Kopelias. (2016). "Total Cost of Ownership and Externalities of Conventional, Hybrid and Electric Vehicle". 3rd Conference on Sustainable Urban Mobility, Volos, Greece, May 26-27, 2016. *Transportation Research Procedia*, Vol. 24, pp. 296-303. DOI: <https://doi.org/10.1016/j.trpro.2017.05.117>
- [24] Kopelias P., K.Mpogas, **L.K. Mitropoulos**, Konstantinos Kepaptsoglou. (2016). "Road Safety in Urban Areas in Greece during Economy Downturn. A Before – After Comparison". 3rd Conference on Sustainable Urban Mobility, Volos, Greece, May 26-27, 2016. *Transportation Research Procedia*, Vol. 24, pp. 228-234. DOI: <https://doi.org/10.1016/j.trpro.2017.05.112>
- [25] Sdoukopoulos E., Kose P., Gal-Tzur A., Mezghani M., Boile M., Sheety E., **Mitropoulos L.K.** (2016). "Assessment of Urban Mobility Needs, Gaps and Priorities in Mediterranean Partner Countries". *Transportation Research Arena*, Warsaw-Poland, April 18-21, 2016, 2016. *Transportation Research Procedia*, Volume 14, pp. 1211–1220.
- [26] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2015). "Fuzzy Sustainability Assessment of Urban Transportation Vehicle Technologies". 7th International Congress on Transportation Research, Athens, Greece, November 5-6, 2015.
- [27] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2015). "Sustainability Assessment of Transportation Vehicles with Fuzzy Logic-based Uncertainty". 94th Annual Meeting of the Transportation Research Board, Washington D.C. and published in CD-ROM. January 11-15, 2015.

- [28] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2014). “Integrating Urban Vehicle Characteristics into Sustainable Transportation Planning”. Paper 129, 2nd Conference on Sustainable Urban Mobility, Volos, Greece, May 5-6, 2014.
- [29] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Eftihia. G. Nathanail. (2012). “Sustainability Framework: A Case Study of Urban Transportation Vehicles”. XXIVth World Road Congress in Mexico City Sept. 2011 and published in Routes/Roads Magazine Issue: 352-353, January 2012. First award on Sustainable Development category.
- [30] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2011). “Sustainability Framework for the Life Cycle Assessment of Light-Duty Vehicles”. 11th International Conference of Chinese Transportation. Nanjing, China, August 14 – 17, 2011. Published in ICCTP 2011: Towards Sustainable Transportation Systems, pp. 4407- 4419.
- [31] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Eftihia G. Nathanail. (2010). “A Dynamic Framework for the Monitoring and Assessment of the Urban Transportation Modes Performance”. Paper-03147, 12th World Conference on Transport Research. Published in Selected Proceedings, Lisbon, Portugal, July 11 – 15, 2010.
- [32] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Eftihia G. Nathanail. (2010). “Assessing Sustainability for Urban Transportation Modes: Conceptual Framework”. 89th Annual Meeting of Transportation Research Board, Washington D.C. and published in CD-ROM. January 10 – 14, 2010.
- [33] **Mitropoulos, Lambros K.** and Panos D. Prevedouros. (2009). “Sustainability Aspects of Freeway and Corridor Operations”. 2nd International Symposium on Freeway and Tollway Operations Honolulu, Hawaii. Published in CD-ROM. June 21-24, 2009.

Papers in proceedings

- [1] **Mitropoulos Lambros**, Kortsari A., Ayfadopoulou G. (2020). “Understanding Ride-sharing Systems in Urban Areas: The Role of Location, Users and Barriers”. European Transport Conference, Milan Italy, 9-11 September 2020.
- [2] Panos D. Prevedouros and **L.K. Mitropoulos**. (2018). “Transportation Sustainability Analysis: Alternative Fuel Vehicles”. Chinese Overseas Transportation Association ([COTA](#)) International Symposium on Emerging Trends in Transportation, Waikiki, Oahu, Hawaii, October 4-6, 2018.
- [3] Panos D. Prevedouros and **Lambros K. Mitropoulos**. (2016). “A Practical Assessment Model for Sustainable Transportation”. 7th CECAR (Civil Engineering Conference in the Asian Region), hosted by the American Society of Civil Engineers, Waikiki, Oahu, Hawaii, August 30-September 2, 2016.
- [4] Liang Shi, **Lambros K. Mitropoulos**, Xin Yu, Panos D. Prevedouros. (2015). “Sustainability Assessment under Multi-Attribute Uncertainty for Alternative Fuel Vehicles and Driverless Cars”. Transportation for Sustainability, Standing Committee on Transportation and Sustainability (ADD40), Transportation Research Board, Washington, DC, May 6-8, 2015.
- [5] **Lambros K. Mitropoulos**. (2015). “Segmentation Methodology Based on Road Attributes and Accidents for Rural Two-Lane Roadways”. 25th World Road Congress, South Korea, Seoul , November 3-7, 2015.

- [6] Panos D. Prevedouros and **Lambros K. Mitropoulos**. (2013). "Sample Sustainability Assessment for Automobiles by Type of Propulsion". International Symposium on Green Manufacturing and Applications (ISGMA 2013), June 25-29, 2013 Oahu, Hawaii, USA.
- [7] **Mitropoulos, Lambros K.**, Panos D. Prevedouros, Eftihia. G. Nathanail. (2010). "A Multidimensional Prism for the Evaluation of Urban Transportation Systems". 5th International Conference on Transportation Research. Athens, Greece, September 2010.
- [8] Papadimitriou F., B.M.Halkias, P.Kopelias, P.D. Prevedouros, **L.K.Mitropoulos**, J.Tokishi. (2009). "Freeway Bottleneck Simulation: The case of Metamorfoosi Interchange Attica Tollway, Athens Greece ", 2nd International Symposium on Freeway and Tollway Operations Honolulu, Hawaii, June 21-24, 2009.
- [9] Prevedouros, P., B.Halkias, P.Kopelias, **L.K.Mitropoulos**, J.Tokishi. (2008). "A Complex, Congested Freeway to Freeway Interchange: Attica Tollway Simulation". Freeway and Tollway Operations Conference, TRB, Ft. Lauderdale, Florida, June 15-18, 2008.
- [10] **Mitropoulos, Lambros K.** (2008). "Defining Road Uniformity and its Effect on Road Safety". Proceedings of International Exchange Forum, Saitama University, Japan, March 5-6, 2008.

Presentations

- [1] Ayfadopoulou, G., Xenou, E., Nathanail, E., **Mitropoulos, L.**, Parodos, L. (2018). "Validation City Logistics Planning Process: Complementing Experts Impact Assessment with Simulation Tools Results". 3rd VREF Conference on Urban Freight, Current Issues Influencing Urban Freight Research, University of Gothenburg, Sweden, October 17, 2018.
- [2] Nathanail E., Karakikes I., **Mitropoulos L.**, Adamos G., (2018). "City logistics measures cross-case assessment", 6th PhD Research Workshop of Polytechnic School of University of Thessaly, Volos, May 30, 2018, pp. 13-14.
- [3] Nathanail, E., **Mitropoulos, L.**, Karatsoli, M. (2018). "A Roadmap of Analysis Requirements of Quantitative and Qualitative Big Data for Transport Applications", COST TU1305 Final Conference, University of Milano-Bicocca, Milan, Italy, February 14-15, 2018.
- [4] **Mitropoulos, Lambros K.** (2011). "Energy and Emissions from various Modern Transportation Modes". College of Engineering Annual Engineering Banquet, Honolulu, HI, April 2011.
- [5] **Mitropoulos, Lambros K.** (2010). "Life Cycle Assessment of Alternative Fuel Vehicles". 2nd Annual Hawaiian Clean Energy Day, Honolulu, HI, June 2010.
- [6] **Mitropoulos, Lambros K.** (2008). "Oahu's Congestion Alternatives and Solutions". College of Engineering Annual Engineering Banquet, Honolulu, HI, April 2008.

Book or Book chapter

- [1] **Mitropoulos, Lambros K.**, Panos D. Prevedouros. (2018). "Conventional, Battery-Powered, and Other Alternative Fuel Vehicles: Sustainability Assessment". In Pistoia G., Liaw B. (eds) *Behaviour of Lithium-Ion Batteries in Electric Vehicles. Green Energy and Technology*. Springer, Cham. DOI: https://doi.org/10.1007/978-3-319-69950-9_5

Professional Memberships

- 2021-
 - Committee on Railway Transport Systems (HITE)
- 2017-2020
 - Committee on Mobility (HITE)
- 2017
 - Coursera Data Science Community
- 2014
 - Committee on Transportation Energy and Environmental Impact (HITE)
- 2012
 - Hellenic Institute of Transportation Engineers (HITE)
- 2010-2013
 - American Society of Civil Engineers (ASCE)
- 2009 - 2013
 - Society of Automotive Engineers (SAE)
- 2008 - 2015
 - Institute of Transportation Engineers (ITE)
- 2007
 - Registered Professional Civil Engineer in the Technical Chamber of Greece (TEE)

Peer Review Journals (ad hoc reviewer)

- ASCE Journal of Urban Planning and Development
- Case Studies on Transport Policy
- Clean Technologies and Environmental Policy
- International Journal of Automotive Technology and Management
- International Journal of Sustainable Transportation
- Journal of Cleaner Production
- Journal of Intelligent Transportation Systems: Technology, Planning, and Operations
- Journal of Modern Transportation
- Networks and Spatial Economics
- Sustainability
- Transport Research Part A: Policy and Practice
- Transportation Research Part D: Transport and Environment
- Transportation Research Board (TRB) AH010: Standing Committee on Surface Transportation Weather
- Transportation Research Board (TRB) ADC20: Standing Committee on Transportation and Air Quality
- Transportation Research Board (TRB) ADD40: Standing Committee on Transportation and Sustainability
- Transportation Research Board (TRB) ADD50: Standing Committee on Transportation Planning Applications
- Transportation Research Board (TRB) ADC80: Standing Committee on Alternative Transportation Fuels and Technologies
- Transportation Research Board (TRB) ABJ70: Standing Committee on Artificial Intelligence and Advanced Computing Applications
- Transportation Research Board (TRB) ABE90: Transportation in the Developing Countries

Conferences

- Transport Research Arena (TRA) Conference, Lisbon, Portugal, November 14-17 2022.
- 6th International Symposium on Highway Geometric Design (ISHGD2022 / USS symposium), Amsterdam, The Netherlands, June 27-29 2022.
- 10th International Congress on Transportation Research "Future Mobility and Resilient Transport: Transition to innovation", Rhodes, Greece, September 2-3, 2021.
- 23rd IEEE International Conference on Intelligent Transportation Systems (ITSC), Rhodes, Greece, Sept. 20-23, 2020.
- 21st IEEE International Conference on Intelligent Transportation Systems, Maui, Hawaii, USA, November 4-7, 2018.

- American Society of Civil Engineers, International Conference on Transportation & Development (ICTD2018), Connected and Automated Vehicles (CAV) Track, Pittsburg Pennsylvania, July 15-18 2018.
- 4th Conference on Sustainable Urban Mobility (CSUM), Skiathos, Greece on 24 – 25 May 2018.
- The International Conference on Transport and Health (ICTH) 2016 – USA, San Jose, California - USA 13-15 June 2016.
- 3rd Conference on Sustainable Urban Mobility (CSUM), Volos, Greece on 26 – 27 May 2016.
- 2nd International Symposium on Freeway and Tollway Operations. June 2009.

Athens - Greece
March 21, 2022