**CURRICULUM VITAE**

**Personal Information**

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| Surname/Name | Lemonakis Panagiotis |
| Address | Amvrakias 8 Arta - Greece |
| Phone number | +306974905604 |
| E-mail | plemonak@gmail.com |
| Nationality | Greek |
| Date of birth | 09/08/1978 |

**Education**

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| --- | --- |
|  | **1997-2002** |
| * **Speciality** * **University** | Civil Engineer  Department of Civil Engineering, University of Thessaly |
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|  | **2003-2012** |
| * **Speciality** * **University** * **Thesis subjecty** | Ph. D. Candidate  Department of Civil Engineering, University of Thessaly  The objective of my Ph.D. dissertation was to contribute to the inquiry of motorcycle riders’ behavior at curved road sections. |

**Professional Experience**

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|  |  | 01/06/2018 – today |
| The Company |  | ΕΤΑΝΑΜ ΑΕ ΟΤΑ  The company undertakes the management of public and private investment projects |
| Position |  | Information officer and auditor |
|  |  | * Responsible to communicate the invitation of CLLD/LEADER program to the local authorities * Co-auditor of private investment proposals. |
|  |  | 15/11/2008 – 31/5/2018 |
| The Company |  | OLYMPIA Joint Venture (AKTOR – HOCHTIEF)  The company constructed along with 4 other companies part of the national highway Athens - Thessaloniki. Among others OJV’s scope of works includes the construction of two twin bore tunnels of 9 km total length, the rehabilitation of 174 km of the existing highway and the construction of 21 km of new roads including 17 new bridges. |
| Position |  | H&S Manager, H&S Engineer, H&S Coordinator, Environmental officer, Energy officer |
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|  |  | 01/06/2006 – 14/11/2008 |
| The Company |  | PRECONSTRUCTA A.E.B.T.E. (Industrial Area of Stavrochori, Kilkis) The company constructs industrial buildings, sorting out plants, packaging plants, ice chambers Warehouses, tobacco warehouses, vertical type warehouses (silos), Sports facilities, Schools, Military buildings, Office buildings, houses, and Centrifuged concrete masts. I used to report directly to the director of the company. |
| Position |  | JUNIOR ENGINEER |
|  |  | Main Responsibilities:   * Calculate quantities of materials for works as per approved drawings. * Keep Work Inspection Records. * Prepare payment applications. * Prepare BoQ’s. * Keep records concerning the quantities of incorporated materials and the actual cost of works. * Close co-operation with the foreman and the gang leaders to comply with the daily work schedule. * Take care of adherence to all relevant HSE regulations. |
|  |  | 2003 – 2005 |
| The Company |  | N. Tressos & Associates, “Ypodomi” |
|  |  | The company deals with transportation and environmental solutions and provides services in development, engineering, planning, and management. |
| Position |  | JUNIOR ENGINEER |
|  |  | Main Responsibilities:  Transportation and environmental studies  Supervision of restoration works – Docheiarion Monastery, Mount Athos |
|  |  | 2003 - Present |
| The Company |  | Private Office  Structural Design and transportation studies |
|  |  | 2002 |
| TheCompany |  | DIAVASI  Transportation Studies |
| Position |  | Apprentice  Traffic data collection - Velestino & Mikrothives Intersections, Volos |
|  |  | Main Responsibilities:  Participation at the PanHellenic Transportation Study on behalf of the Ministry of Public Work |
|  |  | 2001 |
| TheCompany |  | ΤΕ.ΜΑΚ. S.A.  Engineering Road Works Company |
| Position |  | Apprentice  Main Responsibilities: Participation at the monitoring of asphalt works – EGNATIA ODOS S. A., KOZANI-GALANI-POLYMYLOS SECTION |

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| **Foreign Languages** |

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|  |  | English |
| Understanding |  | EXCELLENT |
| Writing |  | EXCELLENT |
| Speaking |  | EXCELLENT |

**Organizational skills**

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| * Leadership (responsible for a team of 3 people) as leader of the HSE department. * Responsible to survey numerous diploma thesis relevant to road safety matters. * President of students’ association throughout 2000-2002Certified Auditor/ Lead Auditor ISO 45001:2018 Series Standards (IRCA CERTIFIED) * Certified Auditor/ Lead Auditor ISO 9001:2015 Series Standards (IRCA CERTIFIED) * Certified Auditor/ Lead Auditor OHSAS 18001:2007 Series Standards (IRCA CERTIFIED) * Certified Auditor/ Lead Auditor ISO 14001:2004 Series Standards (IRCA CERTIFIED) * Certified from the European Resuscitation Council regarding the successful completion of BLS/AED Provider Course. * Holder of NEBOSH General Certificate in Occupational Health & Safety. * Participation in Motorcycle Safety Riding School. * Participation in the 3M HELLAS Seminar regarding Personal Protective Equipment. * Participation in the 1st “Challenges and innovations: Personal Protective Equipment for the occupational health and safety” International Conference. * Training course titled “Development of skills in innovative Entrepreneurship” held by the Housing of Hellenic Industry. |

**Memberships**

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| * Technical Chamber of Greece (TEE) * Register of Construction Experience (Μητρώο Εμπειρίας Κατασκευαστών) as follows:  |  |  | | --- | --- | | **Project Categories** | **Grade** | | **Road Construction** | Third (Γ) | | Buildings | Third (Γ) | | Hydraulics | Third (Γ) | | Port Construction | First (A) | | Industrial - Energy | First (A) | |

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| **computer and other skills** |  | * Very good command of Windows, Microsoft Office, Anadelta Tessera and Autocad software. |

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| **driver’s licence** |  | * A1/A * B |
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**Research Activity - International**

|  |  |
| --- | --- |
| A1. | Baldanzini, N., Hurth, V., Regan, M., Spyropoulou, I., Eliou, N., **Lemonakis, P** and Galanis, P. (2009). Literature review of data analysis for naturalistic driving study, deliverable 4, December, 2BESAFE project, European Commission, Belgium. |
| A2. | Ioanna Spyropoulou, George Yannis, John Golias, Dan Basacik, Mark Chattington, Alistair Weare, Nikos Eliou, **Panagiotis Lemonakis**, Thanos Galanis, Dimitris Karamberopoulos, Veronique Huth , Niccolo Baldanzini, Clément Val, Reakka Krishnakumar, Mike Regan (2010). Design of a naturalistic riding study. Implementation plan. 2BESAFE project, European Commission, Belgium |
| A3. | A. Galanis, N. Eliou, E. Misokefalou, **P. Lemonakis**. Bicyclists' braking profile on several types of urban pavements. International Conference on Safety and Mobility of Vulnerable Road Users: Pedestrians, Motorcyclists, and Bicyclists Jerusalem, Israel, May 30-June 2, 2010 |
| A4. | Vlahogianni, E.I., Yannis, G., Golias, J.C., Eliou, N., **Lemonakis, P.**, 2011. Identifying riding proﬁles parameters from high resolution naturalistic riding data. In: Proceedings of the 3rd International Conference on Road Safety and Simulation (RSS2011), September 14–16 2011, Indianapolis, IN, USA |
| A5. | **Panagiotis V. Lemonakis**, Nikolaos E. Eliou, George N. Botzoris, Theodoros E. Karakasidis (2013) Contribution to the Investigation of Motorcyclists’ Speed Prediction Equations for Two-Lane Rural Roads. Journal of Transportation Technologies, 2013, 3, 204-213 |
| A6. | **P. V. Lemonakis**, N. E. Eliou, T. Karakasidis, G. Botzoris.(2014). A New Methodology for Approaching Motorcycle Riders’ Behavior at Curved Road Sections. Eur. Tran. Res. Rev. DOI 10.1007/s12544-014-0132-6 |
| A7. | **Panagiotis Lemonakis**, Nikos Eliou, Theodoros Karakasidis, George Botzoris, (2014). Investigation of riders’ path on horizontal curves. ICUTE 2014 : International Conference on Urban Transport and Environment, Istanbul, Turkey, 24-25/3/2014. |
| A8. | **Panagiotis V. Lemonakis**, Nikolaos E. Eliou, George N. Botzoris, (2015) Investigation of motorcycle rider’s behaviour in rural road network access. 7th International Congress on Transportation Research. November 5-6, 2015. Athens Greece |
| A9. | Konstantinos Zavitsanos, Athanasios Galanis, **Panagiotis Lemonakis**,  George Botzoris, Nikolaos Eliou, (2018), Investigation of bicyclists’ riding behaviour under normal traffic conditions in the road network of a mid-sized Greek city. 5th Conference “Economics of Natural Resources & the Environment” 1-3 of November 2018. Volos Greece |
| A10. | Stylianos Kolidakis, George Botzoris, Vassilios Profillidis and **Panagiotis Lemonakis**, (2018), Real-time road traffic forecasts – a hybrid approach using artificial intelligence and Singular Spectrum Analysis. 5th Conference “Economics of Natural Resources & the Environment” 1-3 of November 2018. Volos Greece |
| A11. | G.N. Botzoris, V.A. Profillidis, A.T. Galanis, **P.V. Lemonakis**, E.P. Misokefalou, (2018) The Impact of Economic Crisis on Teleworking and Travel Behaviour in the Cities of Thessaloniki and Karditsa. 3rd International Conference “Energy in Transportation”. 3rd of November 2018. Athens Greece |
| A12. | Stylianos Kolidakis, George Botzoris, Vassilios Profillidis and **Panagiotis Lemonakis**, (2019), Road traffic forecasting - A hybrid approach combining Artificial Neural Network with Singular Spectrum Analysis. Economic Analysis and Policy. Volume 64 59-171. Accepted: 17th of August 2019. |
| A13. | **P.V. Lemonakis**, N.E. Eliou, A.T. Galanis, (2019), Behavior of Motorcycle Riders in the Daytime and Nighttime Lighting Conditions. International Conference “Energy in transportation 2019” 28th of September 2019. Athens Greece. |
| A14. | George Kaliabetsos, **Panagiotis Lemonakis**, Andromachi Gkoutzini & Nikolaos Eliou, (2019) Parametric Investigation of Vehicle Minimum Turning Path. 9th International Congress on Transportation Research. October 24-25, 2019. Athens Greece. |
| A15. | **Panagiotis Lemonakis**, Theodoros Αlimonakis, George Kaliabetsos, Nikos Eliou, (2020) Identifying Areas on the Pavement Where Rain Water Runoff Affects Motorcycle Behavior. 22nd International Conference on Highway Design and Construction, March 23-24, Part XV, Tokyo Japan. |
| A16. | Andromachi Gkoutzini, **Panagiotis Lemonakis**, George Kaliabetsos & Nikolaos Eliou, (2020) Swept path analysis and determination of fastest path in roundabouts: A case study in heavy vehicles. 1st International Interdisciplinary Webinar. "The society of circulation", 29-31/05/2020. |
| A17. | Andromachi Gkoutzini, **Panagiotis Lemonakis**, George Kaliabetsos & Nikolaos Eliou, (2020) Investigation of motorcycle rider’s behavior carrying a pillion in two lane rural roads. 1st International Interdisciplinary Webinar. "The society of circulation", 29-31/05/2020. |
| A18. | Andromachi Gkoutzini, **Panagiotis Lemonakis**, George Kaliabetsos & Nikolaos Eliou, (2020) Investigation of vehicle swept path in roundabouts. 5th Conference on Sustainable Urban Mobility, 17-19/06/2020. |
| A19. | **Panagiotis Lemonakis**, Myrofora Koroni, Eleni Misokefalou and Nikolaos Eliou, (2020) Recording and evaluation of motorcyclists’ distraction of attention in urban areas. 5th Conference on Sustainable Urban Mobility, 17-19/06/2020. |
| A20. | George Botzoris, Athanasios Galanis, **Panagiotis Lemonakis** and Maria Giannopoulou, (2020) Sustainable Travel Behavior and Perspectives on the Daily Commute – A Questionnaire Survey in a Typical Mid-sized Greek City. 5th Conference on Sustainable Urban Mobility, 17-19/06/2020. |
| A21. | Andromachi Gkoutzini, **Panagiotis Lemonakis**, George Kaliabetsos & Nikolaos Eliou, (2020) The speed factor in Swept Path Analysis. 6th International Conference on Road and Rail Infrastructure, 20-22/5/2020, Pula Croatia (The conference has been postponed due to COVID-19 impact. However, the letter of acceptance/invitation to the conference has been issued and is available to any interesting party) |
| Α22. | **Panagiotis Lemonakis**, George Kaliabetsos, Nikos Eliou, Fotini Kehagia, (2020) Parametric Investigation of Rainwater Runoff from Road Pavement with a Constant Longitudinal Slope. 6th International Symposium on Highway Geometric Design (ISHGD), 28/6-01/7/2020, Amsterdam, The Nederlands (The conference has been postponed due to COVID-19 impact. However, the letter of acceptance/invitation to the conference has been issued and is available to any interesting party). |
| Α23. | **Panagiotis Lemonakis**, Eleni Misokefalou, Myrofora Koroni, Nikolaos Eliou, (2020) Recording and evaluating motorcyclists’ gaze behaviour in rural roads. 13th International Motorcycle Conference, 05/10/2020, Cologne, Germany. |
| Α24. | **Panagiotis Lemonakis,** George Kourkoubas, George Kaliabetsos, Nikos Eliou, (2020) Survey and Design Consistency Evaluation in Two-Lane Rural Road Segments. ICTHE 2021: International Conference on Transportation and Highway Engineering, 24-25/3/2021, Montreal, Canada  (The letter of acceptance/invitation to the conference has been issued and is available to any interesting party). |
| Α25. | Gkoutzini A., **Lemonakis P.**, Kaliabetsos G., Eliou N. (2021) Investigation of Vehicle Swept Path in Roundabouts. In: Nathanail E.G., Adamos G., Karakikes I. (eds) Advances in Mobility-as-a-Service Systems. CSUM 2020. Advances in Intelligent Systems and Computing, vol 1278. Springer, Cham. https://doi.org/10.1007/978-3-030-61075-3\_99 |
| Α26. | **Lemonakis P**., Koroni M., Misokefalou E., Eliou N. (2021) Recording and Evaluation of Motorcyclists’ Distraction of Attention in Urban Areas. In: Nathanail E.G., Adamos G., Karakikes I. (eds) Advances in Mobility-as-a-Service Systems. CSUM 2020. Advances in Intelligent Systems and Computing, vol 1278. Springer, Cham. https://doi.org/10.1007/978-3-030-61075-3\_87 |
| A27. | Botzoris G., Galanis A., **Lemonakis P.**, Giannopoulou M. (2021) Sustainable Travel Behavior and Perspectives on the Daily Commute – A Questionnaire Survey in a Typical Mid-Sized Greek City. In: Nathanail E.G., Adamos G., Karakikes I. (eds) Advances in Mobility-as-a-Service Systems. CSUM 2020. Advances in Intelligent Systems and Computing, vol 1278. Springer, Cham. https://doi.org/10.1007/978-3-030-61075-3\_84 |

**Research Activity - National**

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| --- | --- |
| B1. | **P. Lemonakis**, N. Eliou, G. Botzoris, Th. Karakasidis. Investigation of motorcycle riders’ behavior at curved sections of existing roads. Proceedings of the 5th Hellenic Conference on road safety. on 25 - 26 of October 2012 Volos. |
| B2. | **Lemonakis P**., Botzoris G., Galanis A., (2015) Investigation of motorcycles riders’ curvature trajectories on two lane rural curves. Proceedings of the 6th Hellenic Conference on road safety. 12-13 of March 2015 Athens. |
| B3. | Proffilidis V., Galanis A., Botzoris G., **Lemonakis P.**, (2015) Stated and Revealed Knowledge of Highway Code of Transport Infrastructures' Users; Evaluation via Questionnaire Investigation in the City of Xanthi. Proceedings of the 6th Hellenic Conference on road safety. 12-13 of March 2015 Athens. |
| B4. | George Kourkoumpas, **Panagiotis Lemonakis**, George Kaliabetsos, Athanasios Galanis, Nikolaos Eliou, (2018) Surveying and checking of safety criteria on the existing highway Volos-Karditsa. 7th Panhellenic Conference on Road Safety. 11-12 of October 2018. Larissa Greece |
| B5. | Theodoros Alimonakis, **Panagiotis Lemonakis**, George Kaliabetsos, Athanasios Galanis, Nikolaos Eliou, (2018) Investigation of surface pavement‘s water runoff. 7th Panhellenic Conference on Road Safety. 11-12 of October 2018. Larissa Greece |

**Books**

|  |  |
| --- | --- |
| 1. | **Panagiotis V. Lemonakis**, George N. Botzoris, Nikolaos E. Eliou, and Theodoros E. Karakasidis, (2016) Evaluation of motorcycle riders’ behavior with global position system technology. Chapter 3 of the Book entitled Traffic Accidents and Safety New Research. Published by Nova Science Publishers Inc. ISBN13 9781634855174 |

**Independent Teaching**

|  | **Academic Year** | **Course Title** | **Faculty** |
| --- | --- | --- | --- |
| 1. | 2013-2014 | Special topics in Highway Engineering | Department of Civil Engineering University of Thessaly |
| 2. | 2018-2019 | Design and Operation of Railway Transportation System | Department of Civil Engineering University of Thessaly |
| 3. | 2019-2020 | Airport System Planning and Operation | Department of Civil Engineering University of Thessaly |
| 4. | 2019-2020 | Design and Operation of Railway Transportation System | Department of Civil Engineering University of Thessaly |
| 5. | 2019-2020 | Highway Design I  (Co-Teaching) | School of Rural and Surveying Engineering Aristotle University of Thessaloniki |
| 6. | 2020-2021 | Highway Design I | Department of Civil Engineering University of Thessaly |
| 7. | 2020-2021 | Design and Operation of Railway Transportation System | Department of Civil Engineering University of Thessaly |
| 8. | 2020-2021 | Sustainable Urban Mobility | Department of Civil Engineering University of Thessaly |

**Research Projects**

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| 1. | As a member of the Highway Laboratory of the Department of Civil Engineering of the University of Thessaly, I actively participated in the European Project **2-Be-Safe** (<http://www.2besafe.eu/>). 2-BE-SAFE, is a focused research collaborative project co-funded by European Commission under the Seventh Framework Programme, Theme 7 – Sustainable Surface Transport. Its main objective is to target behavioral and ergonomics research to develop countermeasures for enhancing Powered Two-Wheeler (PTW), rider’s safety, including research on crash causes and human errors, and the world’s first naturalistic riding study involving instrumented PTWs. |
| 2. | Stavros Niarchos Foundation’s scholar for post-doc research in the field of Highways Safety. The subject of the research is entitled “Evaluation of road networks and riding behavior of motorcycle riders using GPS technology”, it started on the 1st of July of 2018 and is estimated to last 36 months. |

**Supervision of Thesis**

| **Title** | **Student** | **Year** | **Position** |
| --- | --- | --- | --- |
| Smart Spreadsheet Applications for time signals based on the HCM methodology | Karakolis Traianos | 2020 | Member of the examination committee |
| Parking management and current applications | Geraki Freideriki | 2020 | Member of the examination committee |

**Lectures Following an Invitation**

| **Title** | **Year** | **Institution** |
| --- | --- | --- |
| Prevention of occupational hazards with the involvement of all interested parties | 2013 | Ministry of Labour,  Social Security and Welfare |
| Signage of Roadway Construction Projects – Basic Principles of Implementation | 2020 | International University of Greece |