

PERSONAL DETAILS

Chrysostomos Mylonas



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Gender: Male | Date of Birth: 26/10/1986 | Nationality: Greek

SUMMARY

Research Associate at the Hellenic Institute of Transport of the Centre for Research and Technology Hellas (CERTH/HIT)

Diploma in Civil Engineering and postgraduate studies in Engineering Project Management

PhD Candidate at the Department of Infrastructure and Rural Development of the School of Rural and Surveying Engineering of the National Technical University of Athens (NTUA)

Research interests: Decision Analysis Theory, (Cooperative) Intelligent Transport Systems, Traffic Management, Automated and Autonomous Vehicles, Design of Transport Networks, Vulnerability in Transport Networks, Impact Assessment Studies, Management of Natural and Man-made Disasters, Emergency Logistics, and Software Design

EDUCATION

05/2020–Present	PhD Candidate National Technical University of Athens, Athens (Greece) School of Rural and Surveying Engineering Department of Infrastructure and Rural Development Laboratory of Transportation Engineering Thesis: “Vulnerability Based Multimodal Network Redesign” Field: Design of Transport Networks – Transport Modelling	HQF Level: 8
09/2013–12/2014	Master of Science in Engineering Project Management Aristotle University of Thessaloniki, Thessaloniki (Greece) Faculty of Engineering, School of Civil Engineering Graduation Grade: 9,19/10 Graduation Rank: 1st out of 23 MSc Thesis: “Development of a Method for Deciding on a Project’s Early Termination”	HQF Level: 7
03/2005–04/2013	Diploma in Civil Engineering Aristotle University of Thessaloniki, Thessaloniki (Greece) Faculty of Engineering, School of Civil Engineering Graduation Grade: 8,16/10 Graduation Rank: 5th out of 96	HQF Level: 6

AWARDS

12/2014	Awarded for graduating as first from the MSc Programme on Engineering Project Management of the School of Civil Engineering of AUTH (Academic year: 2013-2014)
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PUBLICATIONS

- 2018 Mylonas, C., & Xenidis, Y. (2018). Megaproject Development in the Context of Sustainable Urban Regeneration. *International Journal of Real Estate and Planning*, 1, 377-384.
- 2019 Aifadopoulou, G., Dolianitis, A., Mylonas, C., Stamelou, A., Mitsakis, E. (2019). Transport Data Exchange Platforms: A European Perspective. Paper presented at the Transportation Research Board (TRB) 98th Annual Meeting, Washington, United States of America.
- Mylonas, C., & Xenidis, Y. (2019). Conceptual Definition of a Megaproject Feasibility Analysis Method. In: *International Association for Bridge and Structural Engineering*

Symposium (IABSE 2019): Towards a Resilient Built Environment Risk and Asset Management, Guimaraes, Portugal, March 27-29 2019, p.p. 407-414, Zurich: IABSE, ISBN: 978-3-85748-163-5.

Mitsakis, E., Aifadopoulou, G., Stamelou, A., Mylonas, C., Dolianitis, A., & Psonis, V. (2019). Design, development process and current status of the National Access Point of Greece. Paper presented at the 13th ITS European Congress, 3-6 June, Brainport, the Netherlands.

Dolianitis, A., Chalkiadakis, C., Mylonas, C., & Tzani, D. (2019). How Will Autonomous Vehicles Operate in an Unlawful Environment? - The Potential of Autonomous Vehicles for Disregarding the Law. Paper presented at the 6th International Conference on Models and Technologies for Intelligent Transportation Systems, 5-7 June, Kraków, Poland.

Mylonas, C., Chalkiadakis, C., Dolianitis, A., Tzani, D., & Mitsakis, E. (2019). Assessing the Readiness of Greece for Autonomous Vehicle Technologies. Paper presented at the 9th International Congress on Transportation Research, 24-24 October, Athens, Greece.

Aifantopoulou, G., Mylonas, C., Dolianitis, A., Stamelou, A., Psonis, V., & Mitsakis, E. (2019). National Access Points for Intelligent Transport Systems Data: From Conceptualization to Benefits Recognition and Exploitation. Paper presented at the 9th International Congress on Transportation Research, 24-26 October, Athens, Greece.

Aifantopoulou, G., Mitsakis, E., Stamelou, Dolianitis, A., Mylonas C., Psonis, V. (2019). Design and development of the Greek National Access Point for the provision of harmonized traveler information services. Paper presented at the 9th International Congress on Transportation Research, 24-26 October, Athens, Greece. *[In Greek]*

2020 Aifantopoulou, G., Mylonas, C., Dolianitis, A., Chalkiadakis, C., Tzani, D., Mitsakis, E., & Katsaros, E. (2020). Best Practices on Emergency Logistics Topics. Paper presented at the Transportation Research Board (TRB) 99th Annual Meeting, Washington, United States of America.

Aifantopoulou, G., Dolianitis, A., Mylonas, C., Mitsakis, E., & Stamelou, A. (2020). National Access Points for Intelligent Transport Systems Data: From Conceptualization to Operation and Benefits Recognition. Paper presented at the Transportation Research Board (TRB) 99th Annual Meeting, Washington, United States of America.

Mylonas C., Mitsakis, E., Dolianitis, A., & Chalkiadakis, C. (2020). Is Greece Ready for Autonomous Vehicles? A Methodological Approach. 23rd IEEE International Conference on ITS.

Mylonas, C., Mitsakis, E., Dolianitis, A., & Aifadopoulou G. (2020). A Review of European National Access Points for Intelligent Transport Systems Data. 23rd IEEE International Conference on ITS.

Aifandopoulou, G., Mylonas C., Dolianitis, A., Mitsakis, E., & Stamelou, A. (2020). Operation, benefits recognition, and evaluation of National Access Points for ITS Data: The case of Greece. 14th ITS European Congress.

2021 Mylonas, C., Mitsakis, E., & Aifandopoulou, G. (2021). Intelligent Transport Systems in Greece: Current status and future prospects. *Ekistics and The New Habitat*, 81(1), 37-42.

Aifadopoulou, G., Mylonas, C., & Mitsakis, E. (2021). Evaluation and Future Prospects of the Greek National Access Point for ITS Data. Paper presented at the 10th International Congress on Transportation Research, 1-3 September, Rhodes, Greece.

Mylonas, C., Mitsakis, E., & Aifadopoulou, G. (2021). Future Use Cases for Cooperative Intelligent Transport Systems based on Unmanned Aerial Vehicles. Paper presented at the 10th International Congress on Transportation Research, 1-3 September, Rhodes, Greece.

Mylonas, C., Kepapsogolou, K., & Mitsakis, E. (2021). Comparative Analysis of Network Criticality and Network Centrality Indicators. Paper presented at the 10th International Congress on Transportation Research, 1-3 September, Rhodes, Greece.

Mylonas, C., Kepapsogolou, K., & Mitsakis, E. (2021). Use of Macroscopic Fundamental Diagrams for the Assessment of Road Network Link Criticality. Paper presented at the 10th International Congress on Transportation Research, 1-3 September, Rhodes, Greece.

2022 Mylonas C., Stavara, M., Tzani, D., & Mitsakis, E. (2022). Fleet optimization and distribution in shared mobility services: Theoretical findings and future steps. 9th Transport Research Arena TRA Lisbon 2022, Portugal [extended abstract accepted].

Mylonas, C., Mitsakis, E., Aifandopoulou, G., Stavara, M., Tzanis, D., Yannis, G., & Laiou, A. (2022). Harmonization of National Access Points to Intelligent Transport Systems data: A data content and added value perspective. 9th Transport Research Arena TRA Lisbon 2022, Portugal [extended abstract accepted].

Mylonas, C., Stavara, M., Tzanis, D., Mitsakis, E., & Ayfantopoulou, G. (2022). National Access Points: Harmonization and prospects. 14th ITS European Congress, Toulouse, France, 30 May-1 June 2022 [submitted].

EXPERIENCE

01/2021–Now

Research Associate

Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH)

Project: C-ROADS GREECE / 2018-EL-TM0072-S

Duties:

- Support on the execution of the activities of the working groups of C-ROADS platform
- Support on the dissemination activities of C-ROADS platform
- Support on the preparation of the second expert group's meeting
- Functional requirements analysis, use case analysis, and design of GeoMessaging Platform required for the execution of the Greek pilot of the C-ROADS Greece project
- Support on functional verification and validation of C-ITS services
- Support on the planning and ex-post evaluation of the Greek pilot
- Support on the elaboration of the roadmap for the large-scale deployment of C-ITS services

01/2020–12/2020

Research Associate

Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH)

Project: C-MOBILE / 723311

Duties:

- Support of the project team on the conduction of pilot applications of Cooperative Intelligent Transport Systems (C-ITS) technologies in Thessaloniki
- Support of the project team on the evaluation of the results of the aforementioned pilot applications

03/2019–12/2019

PhD Scholar

Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH)

Project: C-MOBILE / 723311

Duties:

- Support on preparatory actions for pilot applications of Cooperative Intelligent Transport Systems (C-ITS) technologies in Thessaloniki
- Support on conducting pilot applications of Cooperative Intelligent Transport Systems (C-ITS) technologies in Thessaloniki

03/2018–03/2019

PhD Scholar

Hellenic Institute of Transport (HIT), Centre for Research and Technology Hellas (CERTH)

Project: CROCODILE 2 / 2014-EU-TM-0563-W

Duties:

- Support for the creation of a national body (Technical Secretariat of Innovation on ITS)
- Support for the identification of added value services
- Design, development, validation, and launch of the Greek National Access Point (NAP)
- Procurement of data for the NAP from relevant actors/providers

10/2018–02/2019

Lecturer

University of Derby, Mediterranean College, Department of Thessaloniki, School of Civil Engineering

- Lecturer of the "Flood Risk Management" course included in the curriculum of the MSc Programme "Civil Engineering and Construction"

- Evaluator of students' deliverables (incl. courseworks)

CERTIFICATIONS

- 12/2018 [Introduction to Data Science in Python](#)
University of Michigan, Coursera platform
- 07/2017 [Computational Mechanics & Science](#)
Hellenic Open university
Certificate of Specialization
- 06/2013 [Registered Civil Engineer](#)
Technical Chamber of Greece (TCG), Division of Central Macedonia

STUDIES

- 2022 [Impacts of Climate Change on the Transport Sector of Greece](#)
Contributor in the update of the study
Climate Change Impacts Study Committee - Bank of Greece

LANGUAGE SKILLS

- Greek Native speaker
English Fluent (C2)
Certificate of Proficiency in English (University of Michigan)
First Certificate in English (University of Cambridge)
- French Elementary knowledge (A2)
Diplôme D' Études En Langue Française (Delf A1&A2)

IT SKILLS

- Programming Python, Anaconda, Matlab, Octave, Java
IDEs Eclipse, Spyder, Jupyter Notebook, Netbeans
Project Management MS Project, OpenProject
DBMS MS Access, PostgreSQL
GIS ArcGIS, QGIS
Traffic Modeling DTALite, Aequilibrae, DLR SUMO, PTV VISUM, DynusT, AIMSUN
Statistics SPSS
Decision-making Super Decisions (ANP modeler-solver)
System Dynamics Modeling Simantics System Dynamics (open-source), OpenModelica