

ΠΡΟΣΩΠΙΚΕΣ  
ΠΛΗΡΟΦΟΡΙΕΣ


## Josep M<sup>a</sup> Salanova Grau

Μυτιλήνης 10, 56429, Θεσσαλονίκη, Ελλάδα | Ημερομηνία γέννησης 01/11/1983. | Εθνικότητα Ισπανική

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Transportation engineer with more than 13 years of experience in EU-funded research & innovation projects; senior researcher with analytical and data science skills; development and implementation of mobility solutions for passenger and freight transport; strong background and expertise in transport and data modelling and analytics, ITS and c-ITS. Reviewer for scientific journals and conferences.

### PERSONAL STATEMENT

### CURRENT POSITION

Head of the Data analysis and Modelling laboratory of CERTH-HIT.

### ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

2008 - Today

#### Συγκοινωνιολόγος μηχανικός- επιστημονικός συνεργάτης

Ινστιτούτο Βιώσιμης Κινητικότητας και Δικτύων Μεταφορών (IMET) του Εθνικού Κέντρου Έρευνας και Τεχνολογικής Ανάπτυξης (ΕΚΕΤΑ)

- Senior project management.

2007

#### Επιστημονικός συνεργάτης

CENIT Κέντρο Ερευνών Μεταφοράς, Πολυτεχνικό Πανεπιστήμιο Καταλονίας

- Participation in National and European Transport Research Programs and Studies.

### ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΚΑΤΑΡΤΙΣΗ

2010 - 2013

#### Διδάκτωρ στον τομέα των Μεταφορών

Ανώτατη Πολυτεχνική Σχολή Πολιτικών Μηχανικών Βαρκελώνης του Πολυτεχνικό Πανεπιστήμιο Καταλονίας

- Modelling of taxi services in urban environment

2008-2009

#### Μεταπτυχιακό Δίπλωμα Συγκοινωνιολόγου Μηχανικού

Τμήμα Πολιτικών Μηχανικών Α.Π.Θ., Τμήμα Αγρονόμων και Τοπογράφων Μηχανικών Α.Π.Θ., Ελληνικό Ινστιτούτο Μεταφορών, Διατμηματικό Πρόγραμμα Μεταπτυχιακών Σπουδών (ΔΠΜΣ) «Σχεδιασμός, Οργάνωση και Διαχείριση Συστημάτων Μεταφορών - MET.M»

- Advanced mathematical programming methods for the computation of user equilibrium in urban road networks

2001-2007

#### Δίπλωμα Πολιτικού Μηχανικού

Ανώτατη Πολυτεχνική Σχολή Πολιτικών Μηχανικών Βαρκελώνης, Πολυτεχνικό Πανεπιστήμιο Καταλονίας

- Criteria for the Localization of Distribution and Consolidation Terminals (Hubs)

### ΕΚΠΑΙΔΕΥΤΙΚΗ ΕΜΠΕΙΡΙΑ

2016-2018

#### Lecturer at the M.Sc. Design, Organization and Management of Transportation Systems at the Aristotle's University of Thessaloniki (AUTH)

- System Analysis-Advanced transportation demand Models – Traffic Assignment

2012-Today

#### Invited lectures at various institutions and events

- "Intelligent Transport Systems for smart cities" at AUTH, Thessaloniki, Greece (01/2020)
- Summer school on "Digital supply chain and logistics management" (07/2019)
- Seminar on "software and hardware for smart city applications" (06/2019)
- "Decision support system for supporting policy making", at UOM, Thessaloniki Greece (12/2018)
- "Big Data for Mobility in Thessaloniki", Data analytics meetup, Thessaloniki, Greece (10/2018)
- "Big data for transportation—innovative data sources", BSC, Barcelona, Spain (06/2016)
- "Modeling of Taxi Services" at AUTH, Thessaloniki, Greece (05/2013)
- "Traffic Assignment" at AUTH, Thessaloniki, Greece (05/2012)

September 2009 – July 2011

#### Institute for European and Mediterranean studies (Thessaloniki, Greece)

Spanish language (A1, A2, B1, B2, C1 and C2)

September 2004 – July 2007

#### Center for studies AS-ES (Barcelona, Spain)

- Responsible for the civil engineering and architecture courses organization.
- Lectures: Technical drawing and descriptive geometry

### OTHER EXPERIENCE

2016 - 2017 **10 Course Certification track at coursera.org (Johns Hopkins University)**

- Data Science Specialization

2016- today **Mentoring at various events**

- Innovation weekend for Public Transport. Thessaloniki (September 2018)
- Digital Transportation Academy Startify7 start-up summer school. Thessaloniki (July 2016)
- Mobility Innovations for a New Dawn in Sustainable European Transport Systems (October 2015)

#### ΑΤΟΜΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ

Μητρική γλώσσα  
Λοιπές γλώσσες

Καταλανικά και Ισπανικά

ΚΑΤΑΝΟΗΣΗ

ΟΜΙΛΙΑ

ΓΡΑΦΗ

Προφορική

Γραπτή (ανάγνωση)

Επικοινωνία

Προφορική έκφραση

Αγγλικά

C2

C2

C2

C2

C2

CBT TOEFL 250/300. (CAE A, C1) - Certificate in Advanced English

Ελληνικά

C2

C2

C2

C2

C2

Γαλλικά

A2

A2

A2

A2

A2

Επίπεδα: A1/2: Βασικός χρήστης - B1/2: Ανεξάρτητος χρήστης - C1/2: Έμπειρος χρήστης  
Κοινό Ευρωπαϊκό Πλαίσιο Αναφοράς για Γλώσσες

Computer skills

Microsoft Office, MATLAB, ESRI ArcGIS, PTV VISSIM & PTV VISUM, R

Other skills

Research interests and fields of expertise

- Advanced traveler information systems
- Modelling of taxi services
- Applications of optimization theory on transport
- Traffic flow modeling and simulation
- Intelligent Transportation Systems
- Urban mobility management
- Cooperative mobility systems
- Data Science
- Big data

#### ΠΡΟΣΘΕΤΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

Projects  
**[10 responsible,  
8 main contributor,  
12 major contributions,  
16 minor contributions]**

- *“Restructure plan of the center of the l'Hospitalet de Llobregat” 2007 CENIT budget: 75.000 €*
- *“DUGAM: Urban distribution in Metropolitan areas” 2007 CENIT budget: 105.000 €*
- *“KOMVOS: Infrastructures for the support of transport research. HIT-Portal for management and processing of transport data”. General Secretariat for Research and Technology. CERTH-HIT participated as lead partner. 2005-2009. CERTH-HIT budget: 1.275.039 €.*
- *“AKMON: Integrated routing and delivery services provision system”. General Secretariat for Research and Technology. CERTH-HIT participated as lead partner. 2005-2009. CERTH-HIT budget: 270.950 €.*
- *“DELTA: Concerted coordination action for the promotion of efficient multimodal interfaces”. European Commission, DG Research, FP7. CERTH-HIT participated as project leader. 2007-2009. Project budget: 1.080.340 €, CERTH-HIT budget: 190.867 €.*
- *“MOBINET: Mobility Centre Network”. Intelligent Energy Europe Agency, Intelligent Energy Europe. CERTH-HIT participated as subcontractor. 2007-2011. Project budget: 300.000 €, CERTH-HIT budget: 17.850 €.*
- *“SEECP: High Performance Railway Network” SEECP. CERTH-HIT participated as partner*
- **“FREILOT: Urban freight energy efficiency pilot”, European Commission, CIP programme. CERTH-HIT participated as project partner. 2009-2012. Project budget: 1.996.783 €, CERTH-HIT budget: 59.409 €.**
- **“EOX: Intelligent Urban Mobility Management System for Thessaloniki”. European Economic Area Grants. CERTH-HIT participated as project partner. 2009-2012. Project budget: 2.910.771 €, CERTH-HIT budget: 722.771 €.**

- *"VIAJEO: International demonstration of platform for transport planning and travel information". European Commission, DG Research, FP7. CERTH-HIT participated as project partner. 2009-2012. Project budget: 3.600.000 €, CERTH-HIT budget: 167.330 €.*
- *"WEATHER: Weather extremes. Assessment of impacts on transport systems and hazards for European regions". European Commission, DG Research, FP7. CERTH-HIT participated as project partner. 2009-2012. Project budget: 1.462.318 €, CERTH-HIT budget: 266.500 €.*
- *"IMMP: Nicosia Integrated Mobility Master Plan". Ministry of Communications and Works, Public Works Department, Cyprus. CERTH-HIT participated as project partner. 2009-2010. Project budget: 494.815 €, CERTH-HIT budget: 128.652 €.*
- *"SAFEWAY2SCHOOL: Integrated system for safe transportation of children to school" 7th EU Framework Programme - Sustainable Surface Transport. CERTH-HIT participated as project partner 2009-2012.€.*
- *"IMMP: Public transport enhancement program, extra works". Ministry of Communications and Works, Public Works Department, Cyprus. CERTH-HIT participated as project partner. 2010. Project budget: 125.394 €, CERTH-HIT budget: 20.260 €.*
- *"Anticipating traffic volumes and speeds the Athens network". Study for MLS. 2010, CERTH-HIT*
- *"TRAINOSE: Technical Advisor for the Provision of Independent Expert on the Market Characteristics of Transport and the support of the Ministry of Infrastructure, Transport and Networks to Provide Information to the Competition DG E. Commission regarding TRAINOSE" TRAINOSE 2011, CERTH-HIT budget: 80.000 €.*
- **"Summer Period Measurements & Evaluation of Taxi Services". Ministry of Communications and Works, Public Works Department, Cyprus. CERTH-HIT participated as project partner. 2011-2012. Project budget: 140.000 €, CERTH-HIT budget: 28.000 €.**
- *"Traffic Prognosis: Development of traffic surveillance tool for congestion management on road networks". General Secretariat for Research and Technology. CERTH-HIT participated as project partner. 2012-2013. Project budget: 149.500 €, CERTH-HIT budget: 37.600 €.*
- *"EasyTrip: Greece-Bulgaria e-mobility solutions". European Commission, INTERREG Greece-Bulgaria 2011. CERTH-HIT participated as project leader. 2012-2014. Project budget: 1.011.025 €, CERTH-HIT budget: 386.855 €.*
- *"MOWE-IT: Management of weather events' impacts on transport systems". European Commission, DG Research, FP7. CERTH-HIT participated as project partner. 2012-2014. Project budget: 1.639.638 €, CERTH-HIT budget: 118.770 €.*
- *"SEE-ITS: Intelligent Transport Systems in South East Europe". European Commission, South East Europe 2012 programme. CERTH-HIT participated as project leader. 2012-2014. Project budget: 1.594.531 €, CERTH-HIT budget: 397.278 €.*
- *"RAIL4SEE: Rail Hub Cities for South East Europe". European Commission, South East Europe 2012 programme. CERTH-HIT participated as project partner. 2012-2014. Project budget: 4.826.900 €, CERTH-HIT budget: 345.600 €.*
- **"COMPASS4D: Cooperative Mobility Pilot on Safety and Sustainability Services for Deployment". European Commission, CIP PSP 2012. CERTH-HIT participated as project partner. 2013-2015. Project budget: 9.997.879 €, CERTH-HIT budget: 212.150 €.**
- *"ENTROPIA: Diseño y operación eficiente de servicios de transporte público individual en ambito urbano "Ministry of Economy and Competitiveness. Non-oriented Fundamental Research Projects. CENIT participate as project leader. 2013-2015. Project budget: 110.000 €, CENIT budget: 70.000 €.*
- **"COGISTICS: Cooperative logistics for sustainable mobility of goods". European Commission, CIP PSP 2013. CERTH-HIT participated as project partner. 2014-2016. Project budget: 7.492.010 €, CERTH-HIT budget: 89.218 €.**
- **"URBANETS: Sustainable Management of Urban Networks with the Use of ICT". European Territorial Cooperation Programme Greece - Italy 2007 - 2013. CERTH-HIT participated as sub-contractor. 2014. Project budget: 1.464.300 €, CERTH-HIT budget: 20.325 €.**
- *"i-Student: Integrated system for the safe transport of students. European Regional Development Funds.*
- **"PRODROMOS: Management of dangerous goods transport in Cyprus. European Territorial Cooperation Programme Greece - Cyprus 2007 - 2013. CERTH-HIT participated as sub-contractor. 2015. CERTH-HIT budget: 15.000 €.**
- **LOGIMATIC: Tight integration of EGNSS and on-board sensors for port vehicle automation. CERTH-HIT participated as project partner. 2014-2016. H2020. Project budget: 2.386.925 €, CERTH-HIT budget: 224.375 €.**
- Startify7: Participation in one of the 7 start-up summer schools organized in 2015/2016 in Europe on

Information and Communications Technologies for young aspiring entrepreneurs.

- **Big Data Europe: Thessaloniki was the transport pilot of the project, providing both the data and the algorithms for building mobility services based on big data. 2015-2017. CERTH-HIT budget: 22.000 €.**
- **Big Data Warehouse for Mobility (BD W4M). Project funded by GRNET for using its research infrastructure. 2015-2016.**
- *Thessaloniki model: Development of an updated 4-step model for the city of Thessaloniki. HIT is responsible for the model development. 2016-2017. Study.*
- *ACTIVAGE: Activating Innovative IoT smart living environments for Ageing well. CERTH-HIT participated as project partner. 2017-2020. H2020.*
- **SAFER-LC: Level Crossing by integrating and optimizing road-rail infrastructure management and design. CERTH-HIT participated as project partner. 2017-2020. H2020. Project budget: 4.888.927 €, CERTH-HIT budget: 216.406 €.**
- **GALILEO 4 Mobility: Fostering the adoption of GALILEO for Mobility as a Service. CERTH-HIT participated as project partner. 2017-2020. H2020. Project budget: 2.235.010 €, CERTH-HIT budget: 122.813 €.**
- **IRIS: Integrated and Replicable Solutions for Co-Creation in Sustainable Cities. CERTH-HIT participated as project partner. 2017-2020. H2020. CERTH-HIT budget: 175.000 €.**
- *ODISSEAS: Intelligent and Automated Systems for the Design, Simulation and Development of Integrated Products and Processes. Project budget: 3.009.837 €, CERTH-HIT budget: 835.813 €.*
- *Ibikeshare: title. NSRF (National Strategic Reference Framework). Project budget: 450.400 €, CERTH-HIT budget: 229.400 €.*
- **Momentum: Modelling Emerging Transport Solutions for Urban Mobility. CERTH-HIT participated as project partner. 2019-2022. H2020. Project budget: 2.928.125 €, CERTH-HIT budget: 225.625 €.**
- *SPROUT Sustainable Policy RespOnse to Urban mobility Transition. CERTH/HIT is the technical coordinator. 2018-2021.*
- **SHOW: SHared automation Operating models for Worldwide adoption. CERTH-HIT participated as technical coordinator. 2020-2023. H2020. Project budget: 36.335.722 €, CERTH-HIT budget: 1.731.750 €.**
- **commINSAFE: CommutINg with ShAred mobility covid-FrEe. CERTH-HIT participated as project coordinator. 2021. EIT-UM. Project budget: 533.132 €, CERTH-HIT budget: 113.500 €.**
- **multiDepaRT: A multi-operator tool for managing Demand rEsPonsive transport. CERTH-HIT participated as project coordinator. 2021. EIT-UM. Project budget: 1.295.065 €, CERTH-HIT budget: 192.125 €.**
- **Urbanized: modUlaR and flexible solutions for urBAN-sized Zero-Emissions last-mile Delivery and services vehicles. CERTH-HIT participated as project partner. 2021-2023. H2020. Project budget: 6.483.141 €, CERTH-HIT budget: 598.750 €.**

#### Δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά με Κρίση [47]

1. J.M. Salanova, M. Estrada, G. Aifadopoulou, E. Mitsakis (2011) A review of the modeling of taxi services, *Procedia - Social and Behavioral Sciences* (ISSN: 18770428), Vol 20, pp 150-161. [DOI:10.1016/j.sbspro.2011.08.020]
2. E. Mitsakis, G. Giannopoulos, J.M. Salanova (2011) Combined Dynamic Traffic Assignment and Urban Traffic Control models, *Procedia - Social and Behavioral Sciences* (ISSN: 18770428), Vol 20, pp 427-436. [DOI:10.1016/j.sbspro.2011.08.049]
3. G. Aifadopoulou, I. Stamos, E. Mitsakis, J.M. Salanova (2012) Dynamic Traffic Assignment based evacuation planning for CBD areas, *Procedia - Social and Behavioral Sciences* (ISSN: 18770428), Vol. 48, pp. 1078-1087. [DOI:10.1016/j.sbspro.2012.06.1084]
4. G. Giannopoulos, E. Mitsakis, J.M. Salanova (2012) Overview of Intelligent Transport Systems (ITS) developments in and across transport modes. *JRC Scientific and Policy Reports*. ISBN 978-92-79-23105-6 (print) ISBN 978-92-79-23106-3(pdf), ISSN 1018-5593 (print), ISSN 1831-9424 (online), [DOI: 10.2788/12436] (print), [DOI: 10.2788/12881] (online)
5. Jesus Gonzalez Feliu, Josep Maria Salanova Grau (2012), "Defining and evaluating collaborative urban freight transportation systems" *Elsevier Procedia - Social and Behavioral Sciences* (ISSN: 18770428), Volume 39, 2012, Pages 172-183. [DOI:10.1016/j.sbspro.2012.03.099]
6. Jesus Gonzalez Feliu, Joëlle Morana, Josep Maria Salanova Grau, Tai-yu Ma (2013) "Design and scenario assessment for collaborative logistics and freight transport systems" *International Journal of Transport Economics* Vol. XL, No. 2, pp 207-240.
7. E. Mitsakis, I. Stamos, J.M. Salanova Grau, E. Chrysohoou, G. Aifadopoulou (2013) Urban Mobility Indicators for Thessaloniki, *Journal of Traffic and Logistics Engineering (JTLE)* (ISSN: 2301-3680), Vol. 1 No. 2, June 2013. pp. 148 – 152. [DOI:10.12720/jtle.1.2.148-152]
8. J.M. Salanova Grau, M.A. Estrada Romeu, E. Mitsakis, I. Stamos (2013) Agent Based Modeling for Simulating Taxi Services,

- Journal of Traffic and Logistics Engineering (JTLE) (ISSN: 2301-3680), Vol. 1 No. 2, June 2013. pp. 159 – 163. [DOI:10.12720/jtle.1.2.159-163]
9. I. Stamos, J.M. Salanova Grau, E. Mitsakis, G. Aifadopoulou, Y.C. Chiu (2013) On Criticality Assessment Based Evacuation Modeling: Empirical Findings, Journal of Traffic and Logistics Engineering (JTLE) (ISSN: 2301-3680), Vol. 1 No. 2, June 2013. pp. 153 – 158. [DOI:10.12720/jtle.1.2.153-158]
  10. E. Mitsakis, I. Stamos, Diakakis M., J.M. Salanova Grau, (2014) Impacts of high intensity storms on urban transportation: Applying traffic flow control methodologies for quantifying the effects, International Journal of Environmental Science and Technology, November 2014, Volume 11, Issue 8, pp. 2145-2154 - DOI 10.1007/s13762-014-0573-4.
  11. E. Mitsakis, G. Aifadopoulou, J.M. Salanova Grau, E. Chrysohou, (2014) Combination of Macroscopic and Microscopic Transport Simulation Models: Use Case in Cyprus, International Journal for Traffic and Transport Engineering (IJTTE) Vol 4 (2) pp. 220-233. [DOI:10.7708/ijtte.2014.4(2).08]
  12. E. Mitsakis, A. Papanikolaou, G. Aifadopoulou, J.M. Salanova, C. Doll, G. Giannopoulos, Ch. Zerefos (2014) An integrated framework for linking climate change impacts to emergency adaptation strategies for transport networks, European Transport Research Review (18668887, 18670717), Vol 6: 103-111, 3 DOI 10.1007/s12544-013-0114-0
  13. E. Mitsakis, I. Stamos, J.M. Salanova Grau, Aifadopoulou G. (2014) Optimal allocation of emergency response services for managing disasters, Disaster Prevention and Management, (DPM), Vol. 23 Iss: 4
  14. Jesus Gonzalez-Feliu, Josep-Maria Salanova Grau & Adrien Beziat (2014) A location-based accessibility analysis to estimate the suitability of urban consolidation facilities, International Journal of Urban Sciences, 18:2, 166-185, DOI: 10.1080/12265934.2014.930673.
  15. Salanova J. M., Estrada M., Amat C. (2014). Aggregated modeling of urban taxi services. Procedia - Social and Behavioral Sciences (ISSN: 18770428), Vol 160, pp 352-361. [DOI:10.1016/j.sbspro.2014.12.147]
  16. E. Mitsakis, J.M. Salanova Grau, E. Chrysohou, I. Stamos, G. Aifadopoulou, (2014) Multi-criteria route choice in road networks, International Journal of Information and Decision Sciences (IJIDS), Vol. 7, No. 1, 2015 pp. 3-17. [DOI:10.1504/IJIDS.2015.068114]
  17. E. Mitsakis, I. Stamos, J.M. Salanova Grau, M. Morfoulaki, (2015) Bus drivers risk perception of roadway hazards, Periodica Polytechnica Transportation Engineering, Vol 43, No. 1 pp. 15-21. [DOI:10.3311/PPtr.7481]
  18. Stamos I, Mitsakis E., Salanova J. M., Aifadopoulou G. (2015). Impact assessment of extreme weather events on transport networks: A data-driven approach. Transportation Research Part D 34 (2015) 168–178. [DOI:10.1016/j.trd.2014.11.002]
  19. Salanova Grau J., Estrada M. (2015). Agent based modelling for simulating taxi services. Procedia – Computer Sciences, Vol 52, pp 902-907. [DOI:10.1016/j.procs.2015.05.162]
  20. Stamos I., E. Mitsakis, J.M. Salanova Grau (2015). Roadmaps for adaptation measures of transportation to climate change, Transportation Research Record (TRR), Journal of the Transportation Research Board No. 2532, pp 1-12.
  21. Mitsakis E., Salanova Grau J. M., Stamos I., Aifadopoulou G. (2015) An integrated framework for embedding large-scale dynamic traffic assignment models in advanced traveler information systems, Transportation Planning and Technology, Vol. 38, No. 8, pp. 866-877. [DOI:10.1080/03081060.2015.1079387]
  22. Mitsakis E., Salanova J. M., Chrysohou E., Aifadopoulou G. (2015). A robust method for real time estimation of travel times for dense urban road networks using point-to-point detectors. Transport 30(3) 2015, pp. 264-272. Special Issue on Smart and Sustainable Transport. [DOI:10.3846/16484142.2015.1078845]
  23. Stamos I., Salanova Grau J. M., Mitsakis E., Mamarikas S. (2015) Macroscopic fundamental diagrams: simulation findings for Thessaloniki's road network, International Journal for Traffic and Transport Engineering 5(3) 2015, pp. 225-237. [DOI:10.7708/ijtte.2015.5(3).01]
  24. Salanova-Grau, J.M., Gonzalez-Feliu, J. (2015), Comparing fast VRP algorithms for collaborative urban freight transport systems: a solution problem analysis. The IUP Journal of Supply Chain Management, Vol. XII, No. 2, June 2015, pp. 7-23.
  25. Salanova J. M., Rusich A., Mitsakis E., Ukovich W., Pia-Fanti M., Aifadopoulou G., Nolich M., Scala E., Papadopoulos C. (2016). Evaluation framework in Cooperative Intelligent Transport Systems (C-ITS) for freight transport: the case of the CO-GISTICS speed advice service. International Journal of Advanced Logistics (DOI: 10.1080/2287108X.2016.1144373).
  26. Maciejewski M., Salanova J. M., Bischoff J., Estrada M. (2016). Large-scale microscopic simulation of taxi services. Berlin and Barcelona case studies. Journal of Ambient Intelligence and Humanized Computing 7(3), pp 1-9 [DOI: 10.1007/s12652-016-0366-3].
  27. Stamos I., Mitsakis E., Salanova Grau J.M. (2016), Modeling Effects of Precipitation on Vehicle Speed: Floating-Car Data Approach, Transportation Research Record, Journal of the Transportation Research Board, No. 2551, pp. 1-12. [doi.org/10.3141/2551-12]
  28. Cuevas V., Estrada M., Salanova J. M. (2016). Management of on-demand transport services at a urban context. Barcelona case study. Transportation Research Procedia. Vol 13, pp 155-165. [DOI:10.1016/j.trpro.2016.05.016]
  29. Mitsakis E., Chrysohou E., Salanova J. M., Iordanopoulos P., Aifadopoulou G. (2017). The sensor location problem: methodological approach and application. Transport 31(4) pp. 1-7 [doi: 10.3846/16484142.2016.1258674].
  30. Salanova Grau, J.M., Estrada, M. (2017), Social optimal shifts and fares for the Barcelona taxi sector, Transport Policy, volume 76, April 2019, pages 111-122. <https://doi.org/10.1016/j.tranpol.2017.12.007>
  31. Salanova J. M., Toumbalidis J., Chaniotakis E., Karanikolas N., Aifadopoulou G. (2017). Correlation between digital and physical world, case study in Thessaloniki. Journal of Location Based Services. Vol 11, No. 2, pp 118-132. [DOI: 10.1080/17489725.2017.1420257]
  32. Kotoula N., Sialdas A., Botzoris G., Chaniotakis E., Salanova Grau J. M. (2018). Exploring the Effects of University Campus Decentralization to Students' Mode Choice, Periodica Polytechnica Transportation Engineering, Vol 43, No. 1 pp. 15-21. [DOI:10.3311/PPtr.11641]

33. Salanova Grau, J.M., Estrada, M., Tzenos P., Aifadopoulou G. (2018). Agent-based simulation framework for the taxi sector modeling. *Procedia – Computer Sciences*, Vol 130, pp 294-301. [DOI:10.1016/j.procs.2018.04.042]
34. Salanova Grau J. M., Mitsakis E., Tzenos P., Stamos I., Aifadopoulou G. (2018). Multi-source data framework for network traffic state estimation and prediction. *Journal of Advanced Transportation*. vol. 2018, Article ID 9078547, 9 pages, 2018. <https://doi.org/10.1155/2018/9078547>
35. Salanova J. M., Estrada M., (2018). Modeling and comparison of taxi operational modes: case study in Barcelona. *Transportation Research Procedia*. Vol 33, pp 59-66. [DOI:10.1016/j.trpro.2018.10.076].
36. Gonzalez-Feliu J., Pronello C., Salanova J. M. (2018). Multi-stakeholder collaboration in urban transport: state-of-the-art and research opportunities. *Transport* 33(4) 2018, pp. 1079-1094. Special Issue on Collaboration and Urban Transport. [DOI:10.3846/transport.2018.6810]
37. Salanova J.M, Estrada M. (2019). Modeling framework for supporting taxi policy making. *International Journal of Traffic and Transportation Management*, Volume 1, No. 1 (2019) pp. 27-36. DOI: 10.5383/JTTM.01.01.004
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122. S. Mamarikas, E. Mintsis, J.M. Salanova Grau and E. Mitsakis (2019), The applicability of macroscopic emissions' estimation approach on assessing Cooperative Intelligent Transport Systems' (C-ITS) environmental effects. 23rd International Transport and Air Pollution Conference, 15-17th May 2019, Thessaloniki, Greece.
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127. Boufidis N., Salanova J. M., Tzenos P., Aifandopoulou G. (2019). Estimating time of arrival of trains at level crossings for the provision of multimodal cooperative services. 22nd EURO Working Group on Transportation Meeting, EWGT 2019, 18 - 20 September 2019, Barcelona, Spain.
128. Estrada M., Salanova J. M., Medina-Tapia M., Robuste F. (2019). Operational cost and user performance analysis of on-demand bus and taxi systems. 22nd EURO Working Group on Transportation Meeting, EWGT 2019, 18 - 20 September 2019, Barcelona, Spain.
129. Aifandopoulou G., Konstantinidou M., Boufidis, Josep Maria Salanova Grau, Georgios Tsaples and Panagiotis Tzenos (2019). Estimation of value-of-time and willingness to pay for ride-sharing transport services in Thessaloniki. 9th International Congress on Transportation Research "Transport 4.0: The smart evolution" Athens, 24 - 25 October 2019.
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- of the bike sharing system of Thessaloniki, Greece. 9th International Congress on Transportation Research "Transport 4.0: The smart evolution" Athens, 24 – 25 October 2019.
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  136. Aifadopoulou G., Mallidis I., Vlachos D., J.M. Salanova Grau, Iakovou E. (2020). Development of a fair marketplace for on-demand capacity matching, Transportation Research Board 99th Annual Meeting, Washington, USA.
  137. Aifadopoulou G., Nikiforiadis A., Tsaples G., Boufidis N., J.M. Salanova Grau, Chrysostomou K. (2020). A holistic approach to the re-balancing problem of vehicle-sharing schemes, Transportation Research Board 99th Annual Meeting, Washington, USA.
  138. Skoufas A., Boufidis N., Salanova J.M., Aifadopoulou G. and Basbas S. (2020). Ex-post evaluation of an in-vehicle warning system for Rail-Road Level Crossings: the case of taxi drivers. 5<sup>th</sup> Conference on Sustainable Urban Mobility. Skiathos, Greece on 27-29 May 2020.
  139. Aifadopoulou G., Konstantinidou M., Boufidis N. and Salanova J.M. (2020). Evaluation of a ride-sharing service in Thessaloniki: The perspective of both the service provider and the users. 5<sup>th</sup> Conference on Sustainable Urban Mobility. Skiathos, Greece on 27-29 May 2020.
  140. Burrieza J., Rodríguez R., Cantú O., Aifadopoulou G., Salanova J.M., Konstantinidou M., Frederix R. and Pápics P. (2020). Future Scenarios for mobility innovations and their impacts in cities and transport models. 5<sup>th</sup> Conference on Sustainable Urban Mobility. Skiathos, Greece on 27-29 May 2020.
  141. Aifadopoulou G., Konstantinidou M. N., Chatziathanasiou M. and Salanova J.M. (2020). Integrating Mobility as a Service Modelling in Urban Policy Cycle. 5<sup>th</sup> Conference on Sustainable Urban Mobility. Skiathos, Greece on 27-29 May 2020.
  142. Aifadopoulou G., Burrieza J., Masegosa A., Salanova J.M., Boufidis N., Martínez I.M., Fernandez-Muga P. and Cantú O. (2020). Cataloging and Assessing City-Scale Mobility Data. 5<sup>th</sup> Conference on Sustainable Urban Mobility. Skiathos, Greece on 27-29 May 2020.
  143. Salanova J.M., Boufidis N., Aifadopoulou G., Tzenos P., Tolikas A. (2020). Multimodal Cooperative ITS Safety System at Level-Crossings. The 23rd IEEE International Conference on Intelligent Transportation Systems, Rhodes, Greece, September 20-23, 2020.
  144. Aifadopoulou G., Tsaples G., Salanova J.M., Tzenos P. (2020). Autonomous Port Vehicles Fleet Management: Analyzing the Effect of GNSS Limitations. The 23rd IEEE International Conference on Intelligent Transportation Systems, Rhodes, Greece, September 20-23, 2020.
  145. Aifadopoulou G., Konstantinidou M., Boufidis N., Salanova J.M. (2020). Ex Post Estimation of Value-Of-Time and Willingness to Pay for Shared Transport Services in Thessaloniki. The 23rd IEEE International Conference on Intelligent Transportation Systems, Rhodes, Greece, September 20-23, 2020.
  146. Nikiforiadis A, Aifadopoulou G., Salanova J.M., Boufidis N., (2020). Determining the optimal locations for bike-sharing stations: methodological approach and application in the city of Thessaloniki, Greece. 23rd EURO Working Group on Transportation Meeting, EWGT 2020, 16 - 18 September 2020, Paphos, Cyprus.

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### Αξιολόγηση (κρίση) εργασιών επιστημονικών συνεδρίων και περιοδικών

- Journal of Intelligent Transportation Systems: Technology, Planning, and Operations
- Transportation Research Part A: Policy and Practice
- Transportation Research Part D: Transport and Environment
- European Transport Research Review
- PROMET Traffic & Transportation
- Mathematical Problems in Engineering
- Climate, Algorithms, Sensors (mdpi)
- IEEE Intelligent Transportation Systems Magazine
- Research in Transportation Business & Management
- Journal of Urban Technology
- Transportmetrica A: Transport science
- Personal and Ubiquitous Computing
- Royal Society Open Science
- ITS Europe conference (annually)
- Transport Research Arena TRA (annually)
- International conference on Architectural Research & Computer-Aided Design
- 2016 IEEE 19th International Conference on Intelligent Transportation Systems (ITSC 2016)
- 2016 International Conference on Biological Information and Biomedical Engineering
- Artificial Intelligence in Transportation Systems track at EPIA Conference on Artificial Intelligence
- hEART 2018/2019 – 7<sup>th</sup> & 8<sup>th</sup> Symposium of the European Association for Research in Transportation conference
- MobiTUM2019 - International Scientific Conference on Mobility and Transport
- EWGT 2019 - Euro Working Group on Transportation
- 10<sup>th</sup> International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2019)

### Participation in editorial boards of scientific journals and conference committees

- Member of the Editorial Board of Transport (Taylor and Francis)
- Treasurer and committee member of the 2020 IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC)
- International Conference on Ambient Systems, Networks and Technologies (member of the Programme committee, yearly)
- International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications (member of the Programme committee, yearly)
- International Workshop on International Conference on Ambient Systems, Networks and Technologies (member of the Programme committee, yearly)
- International Conference on Traffic and Logistic Engineering (member of the Programme committee)
- UBICOMM 2020, The Fourteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (program committee member)
- Publicity chair of the 7th International Conference on Ambient Systems, Networks and Technologies (ANT-2017)
- 18<sup>th</sup> EPIA Conference on Artificial Intelligence (member of the Steering committee organizing a competition for the development of prediction models based on Floating Car Data)
- 18<sup>th</sup> and 19<sup>th</sup> EPIA Conference on Artificial Intelligence (member of the Programme committee)
- ICTR 2017 & 2019, 8<sup>th</sup> and 9<sup>th</sup> INTERNATIONAL CONGRESS ON TRANSPORTATION RESEARCH (member of the scientific committee)
- CSUM 2018, 4th CONFERENCE ON SUSTAINABLE URBAN MOBILITY (member of the steering committee)
- EUSPN18, 9th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (Technical Program Committee Member for ITS track)

### Honors and Awards

- First place at the contest organized at the 2nd Multitude-Nearctic summer school on “Assessment of ITS solutions” (2012).
- Gold award Transport & Logistics Awards 2014 & 2018
- Second Award for best poster at the 9<sup>th</sup> International Congress on Transportation Research
- Co-chair of the Working Group on Probe Data of the iMobility Forum (European Commission)
- Early Career EU Researchers and Scientists working with Data support from the Research Data Alliance (RDA)

**Memberships**

- Member of the Civil Engineering Association of Greece
- ECTRI (European Conference of Transport Research Institutes)
- EWGT (Europe Working Group on Transport)
- INTA (International Urban Development Association)
- VeRoLog (EURO Working Group on Vehicle Routing and Logistics Optimization)
- WG4CEM (EURO Working Group for Clean and Efficient Mobility)
- NECTAR (Network on European Communications and Transport Activities Research)
- CSS (Complex Systems Society)