

PERSONAL INFORMATION

Luigi dell'Olio

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Sex Male | Date of birth 07 May 1975 | Nationality Italian

POSITION

Full Professor

WORK EXPERIENCE

1 Dec 01 - 28 Feb 02

Collaboration Fellow

University of Cantabria, Santander (Spain)

Participation in research projects - Research in Transportation Planning

1 Mar 02 - 28 Feb 03

Research Fellow

Technical University of Bari (Italy) - European Social Fund , Santander (Spain)

European Social Fund grant - Research in Transportation Planning

1 Mar 03 - 30 Sep 05

Research Associate

University of Cantabria, Santander (Spain)

Participation in research and professional project in the field of Transportation Planning, Public Transport Network Design and Demand Modeling.

1 Oct 05 - 16 Oct 07

Lecturer

University of Burgos, Burgos (Spain)

Member of LOGIT (Logistics and Transport Research Group).

Courses: Transportation Systems, Public Transport Networks, Research in Transportation, Transport and Territory, Maritime Transport.

17 Oct 07 - 14 Jun 09

Assistant Professor

University of Cantabria, Santander (Spain)

Member of GIST (Transportation Systems Research Group).

Courses: Transportation Systems, Public Transport Networks, Discrete Choice Models, Railways.

15 Jun 09 - 15 May 11

Associate Professor

University of Cantabria, Santander (Spain)

Member of GIST (Transportation Systems Research Group). Head of Demand Modeling Laboratory. Head of Railways division. Coordinator of PhD program of Department of Transport and Projects Technologies (2009-2011).

Courses: Transportation Systems, Public Transport Networks, Discrete Choice Models, Railways, Sustainable Transport.

16 May 11 - Present

Professor

University of Cantabria, Santander (Spain)

Director of SUMLAB (Sustainable Mobility and Railways Engineering Research Group). Head of Demand Modeling Laboratory. Head of Railways division. Coordinator of PhD program of Department of Transport and Projects Technologies (2009-2011). Coordinator of PhD program of Civil Engineering (2016-2018).

Courses: Transportation Systems, Public Transport Networks, Discrete Choice Models, Railways, Sustainable Transport.

04 Dec 17 – 11 Dec 19

Director of Leonardo Torres Quevedo Foundation

University of Cantabria, Santander (Spain).

Foundation that manages the research and development projects of the University of Cantabria

03 Nov 20 – 22 Nov 22

Vice Rector for Research and Scientific Policy

University of Cantabria, Santander (Spain).

Is the maximum responsible for the research policy of the University of Cantabria

14 Feb 25 – Present

Vice Rector for Research Knowledge Transfer and Doctoral Studies

University of Cantabria, Santander (Spain).

Is the maximum responsible for the research policy enterprises relationship and doctoral studies of the University of Cantabria

EDUCATION AND TRAINING

1 Oct 94 - 8 Nov 01

Civil Engineer - specialized in Transport

EQF level 7

Technical University of Bari, Bari (Italy)

Thesis on Cost/Effectiveness Analysis of Transportation projects using Accessibility Index.

1 Dec 01 - 30 Sep 02

Master of Science - Safety Engineering

EQF level 7

Technical University of Bari, Bari (Italy)

Thesis on Underground Transportation Systems Safety

1 Oct 02 - 27 Oct 05

Philosophy Doctor - Civil and Industrial Engineering - Transport

EQF level 8

University of Burgos, Burgos (Spain)

Thesis on Public Transport Network Design. A bi-level mathematical model to locate bus stop and optimize frequencies in transit networks.

30 Jul 07 - 12 Jun 09

Massachusetts Institute of Technology Professional Program

EQF level 8

Massachusetts Institute of Technology, Cambridge (United States)

2007 - Modeling and Simulation of Transportation Networks.

2008 - Individual Choice Behavior: Theory and Application of Discrete Choice Analysis.

2009 - Discrete Choice Analysis: Predicting Demand and Market Shares.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	C1	C1	C1	C1	C1
Spanish / Castilian	C2	C2	C2	C2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
[Common European Framework of Reference for Languages](#)

Driving licence B

ADDITIONAL INFORMATION

Publications - Referred journals

Caporale, D., de Lucia, C., dell'Olio, L., & Paziienza, P. (2024). Policy insights for wind energy from a choice experiment stated preference efficient design in Apulia region (Italy). *Economia Politica 2024*, 1–33.

Cordera, R., Luigi dell'Olio, Sipone, S., & Moura, J. L. (2024). Modeling airport choice for a multi-airport area using a random parameter logit model. *Research in Transportation Economics*, 104, 101427.

Cordera, R., Novales, M., Orro, A., Alonso, B., & dell'Olio, L. (2024). Good practices on transit operation design: bus drivers' perspective. *European Transport Research Review*, 16(1).

Garus, A., Alonso Oreña, B., Alonso Raposo, M., Mourzouchou, A., Cordera Piñera, R., Lima Azevedo, C., dell'Olio, L., Seshadri, R., Moraes Monteiro, M., & Ciuffo, B. (2024). Estimation of Environmental Rebound Effect Induced by Shared Automated Passenger Transport Service in a Mid-Size European City via Microsimulation. *Transportation Research Record*.

Garus, A., Rodríguez, A., Mourzouchou, A., dell'Olio, L., Alonso Oreña, B., & Ciuffo, B. (2024). Automated vehicles and the urban parking paradigm: Environmental implications and Citizen preference. *Transportation Research Part D: Transport and Environment*, 136, 104437.

Radics, M., Christidis, P., Alonso, B., & dell'Olio, L. (2024). The X-Minute City: Analysing Accessibility to Essential Daily Destinations by Active Mobility in Seville. *Land 2024*, Vol. 13, Page 1656, 13(10), 1656.

Rodríguez, A., Alonso, B., Moura, J. L., & dell'Olio, L. (2024). Analysis of user behavior in urban parking under different level of information scenarios provided by smart devices or connected cars. *Travel Behaviour and Society*, 37.

Rodríguez, A., dell'Olio, L., Moura, J. L., Alonso, B., & Cordera, R. (2023). Modelling Parking Choice Behaviour Considering Alternative Availability and Systematic and Random Variations in User Tastes. *Sustainability 2023*, Vol. 15, Page 8618, 15(11), 8618.

Rodríguez, A., dell'Olio, L., Sipone, S., & Delgado-Lindeman, M. (2024). Dataset on the behavior of local and foreign users in their willingness to pay for bike sharing in medium-sized cities. *Data in Brief*, 56.

Cordera, R., Sañudo, R., Echániz, E., Nogués, S., & dell'Olio, L. (2023). Future scenarios for the European railway sector: A methodology based on past trends and a stated preference survey. *International Journal of Sustainable Transportation*, 17(2), 148–162.

dell'Olio, L., Rodríguez, A., & Sipone, S. (2023). Modeling Airport Choice Using a Latent Class Logit Model. *Aerospace 2023*, Vol. 10, Page 703, 10(8), 703.

Garus, A., Alonso, B., Alonso Raposo, M., Ciuffo, B., & Dell'olio, L. (2022). Impact of New Mobility Solutions on Travel Behaviour and Its Incorporation into Travel Demand Models. *Journal of Advanced Transportation*, 2022.

Echaniz, E., Cordera, R., Rodriguez, A., Nogués, S., Coppola, P., & dell'Olio, L. (2022). Spatial and temporal variation of user satisfaction in public transport systems. *Transport Policy*, 117, 88–97.

Rodríguez, A., Cordera, R., Alonso, B., dell'Olio, L., & Benavente, J. (2022). Microsimulation parking choice and search model to assess dynamic pricing scenarios. *Transportation Research Part A: Policy and Practice*, 156, 253–269.

- Duboz, A., Mourtzouchou, A., Grosso, M., Kolarova, V., Cordera, R., Nägele, S., Alonso Raposo, M., Krause, J., Garus, A., Eisenmann, C., dell'Olio, L., Alonso, B., & Ciuffo, B. (2022). Exploring the acceptance of connected and automated vehicles: Focus group discussions with experts and non-experts in transport. *Transportation Research Part F: Traffic Psychology and Behaviour*, 89, 200–221.
- Coppola, P., dell'Olio, L., & Silvestri, F. (2021). Random-Parameters Behavioral Models to Investigate Determinants of Perceived Safety in Railway Stations. *Journal of Advanced Transportation*, 2021.
- Bellizzi, M. G., dell'Olio, L., Eboli, L., & Mazzulla, G. (2021). Detecting passengers' heterogeneity on airlines' services using SP data. *Journal of Air Transport Management*, 96(July), 102123.
- Sañudo, R., Jardí, I., Martínez, J. C., Sánchez, F. J., Miranda, M., Alonso, B., dell'Olio, L., & Moura, J. L. (2021). Monitoring Track Transition Zones in Railways. *Sensors* 2022, Vol. 22, Page 76, 22(1), 76.
- Sipone, S., Abella-García, V., Rojo, M., & dell'Olio, L. (2021). Using ClassCraft to Improve Primary School Students' Knowledge and Interest in Sustainable Mobility. *Sustainability* 2021, Vol. 13, Page 9939, 13(17), 9939.
- Bellizzi, M. G., dell'Olio, L., Eboli, L., & Mazzulla, G. (2020). Heterogeneity in desired bus service quality from users' and potential users' perspective. *Transportation Research Part A: Policy and Practice*, 132, 365–377.
- Alonso, Astarita, dell'Olio, Giofrè, Guido, Marino, Sommaro, & Vitale. (2020). Validation of Simulated Safety Indicators with Traffic Crash Data. *Sustainability*, 12(3), 925.
- Mendoza-Arango, I. M., Echaniz, E., dell'olio, L., & Gutiérrez-González, E. (2020). Weighted Variables Using Best-Worst Scaling in Ordered Logit Models for Public Transit Satisfaction. *Sustainability* 2020, Vol. 12, Page 5318, 12(13), 5318.
- Bellizzi, M. G., dell'Olio, L., Eboli, L., Forciniti, C., & Mazzulla, G. (2020). Passengers' Expectations on Airlines' Services: Design of a Stated Preference Survey and Preliminary Outcomes. *Sustainability*, 12(11), 4707.
- Cordera, R., Nogués, S., González-González, E., & dell'Olio, L. (2019). Intra-Urban Spatial Disparities in User Satisfaction with Public Transport Services. *Sustainability*, 11(20), 5829.
- Antolín, G., Alonso, B., Cordera, R., & dell'Olio, L. (2019). The Effect of Introducing Parking Policies on Managing Mobility to Beaches in Touristic Coastal Towns. *Sustainability*, 11(13), 3528.
- Coppola, P., dell'Olio, L., & Ibeas Portilla, A. (2019). Rediscovery the social role of transport infrastructures. *Transportation Research Part A: Policy and Practice*, 125, 169–170.
- Cordera, R., Coppola, P., dell'Olio, L., & Ibeas, Á. (2019). The impact of accessibility by public transport on real estate values: A comparison between the cities of Rome and Santander. *Transportation Research Part A: Policy and Practice*, 125, 308–319.
- Cordera, R., Chiarazzo, V., Ottomanelli, M., dell'Olio, L., & Ibeas, A. (2019). The impact of undesirable externalities on residential property values: spatial regressive models and an empirical study. *Transport Policy*, 80, 177–187.
- dell'Olio, L., Cordera, R., Ibeas, A., Barreda, R., Alonso, B., & Moura, J. L. (2019). A methodology based on parking policy to promote sustainable mobility in college campuses. *Transport Policy*, 80, 148–156.
- Cordera, R., dell'Olio, L., Ibeas, A., & Ortúzar, J. D. D. (2019). Demand for environmentally friendly vehicles: A review and new evidence. *International Journal of Sustainable Transportation*, 13(3), 210–223.
- Echaniz, E., Ho, C. Q., Rodriguez, A., & dell'Olio, L. (2019). Comparing best-worst and ordered logit approaches for user satisfaction in transit services. *Transportation Research Part A: Policy and Practice*, 130, 752–769.
- Echaniz, E., Ho, C., Rodriguez, A., & dell'Olio, L. (2019). Modelling user satisfaction in public

transport systems considering missing information. *Transportation*, 1–19.

Cordera, R., Sañudo, R., dell'Olio, L., & Ibeas, Á. (2018). Trip distribution model for regional railway services considering spatial effects between stations. *Transport Policy*, 67, 77–84.

Rojo, M., Gonzalo-Orden, H., Linares, A., & dell'Olio, L. (2018). Impact of a Lower Conservation Budget on Road Safety Indices. *Journal of Advanced Transportation*, 2018, 1–9.

Cordera, R., Coppola, P., dell'Olio, L., & Ibeas, Á. (2018). The impact of accessibility by public transport on real estate values: A comparison between the cities of Rome and Santander. *Transportation Research Part A: Policy and Practice*.

dell'Olio, L., Cordera, R., Ibeas, A., Barreda, R., Alonso, B., & Moura, J. L. (2018). A methodology based on parking policy to promote sustainable mobility in college campuses. *Transport Policy*.

Antolín, G., Ibeas, Á., Alonso, B., & dell'Olio, L. (2018). Modelling parking behaviour considering users heterogeneities. *Transport Policy*, 67, 23–30.

Echaniz, E., dell'Olio, L., & Ibeas, Á. (2018). Modelling perceived quality for urban public transport systems using weighted variables and random parameters. *Transport Policy*, 67, 31–39.

Cordera, R., Chiarazzo, E., Ottomanelli, M., dell'Olio, L., & Ibeas, A. (2018). The impact of undesirable externalities on residential property values: spatial regressive models and an empirical study. *Transport Policy*.

Cordera, R., dell'Olio, L., Ibeas, A., & Ortúzar, J. D. D. (2018). Demand for environmentally friendly vehicles: A review and new evidence. *International Journal of Sustainable Transportation*, 1–14.

Alonso, B., Barreda, R., dell'Olio, L., & Ibeas, A. (2018). Modelling user perception of taxi service quality. *Transport Policy*, 63, 157–164.

Ibeas, A., dell'Olio, L., & Moura, J. L. (2018). Parking Behavior and Policy. *Journal of Advanced Transportation*, 2018, 1–2.

dell'Olio, L., Moura, J. L., Ibeas, A., Cordera, R., & Holguin-Veras, J. (2017). Receivers' willingness-to-adopt novel urban goods distribution practices. *Transportation Research Part A: Policy and Practice*, 102, 130–141.

Cordera, R., Coppola, P., dell'Olio, L., & Ibeas, A. (2017). Is accessibility relevant in trip generation? Modelling the interaction between trip generation and accessibility taking into account spatial effects. *Transportation*, 1–27.

Sañudo, R., Cerrada, M., Alonso, B., & dell'Olio, L. (2017). Analysis of the influence of support positions in transition zones. A numerical analysis. *Construction and Building Materials*, 145, 207–217.

Bordagaray, M., dell'Olio, L., Fonzone, A., & Ibeas, A. (2016). Capturing the conditions that introduce systematic variation in bike-sharing travel behavior using data mining techniques. *Transportation Research Part C: Emerging Technologies*, 71, 231–248.

Ibeas, A., dell'Olio, L., & Moura, J. L. (2016). Practical applications of novel methodologies to real cases: Selected papers from the XIII Pan-American conference on traffic and transportation engineering (PANAM 2014). *Transportation Research Part a-Policy and Practice*, 84, 1–3.

Lovreglio, R., Fonzone, A., & dell'Olio, L. (2016a). A mixed logit model for predicting exit choice during building evacuations. *Transportation Research Part a-Policy and Practice*, 92, 59–75.

Lovreglio, R., Fonzone, A., dell'Olio, L., & Borri, D. (2016b). A study of herding behaviour in exit choice during emergencies based on random utility theory. *Safety Science*, 82, 421–431.

Sañudo, R., dell'Olio, L., Casado, J. A., Carrascal, I. A., & Diego, S. (2016). Track transitions in railways: A review. *Construction and Building Materials*, 112, 140–157.

Bordagaray, M., dell'Olio, L., Ibeas, A., & Cecín, P. (2014a). Modelling user perception of bus transit quality considering user and service heterogeneity. *Transportmetrica a: Transport Science*, 10(8), 705–721.

Bordagaray, M., dell'Olio, L., Ibeas, A., Barreda, R., & Alonso, B. (2014b). Modelling the Service

Quality of Public Bicycle Schemes Considering User Heterogeneity. *International Journal of Sustainable Transportation*, 140917055325002.

Cordera, R., Canales, C., dell'Olio, L., & Ibeas, A. (2015). Public transport demand elasticities during the recessionary phases of economic cycles. *Transport Policy*, 42, 173–179.

Ibeas, A., Alonso, B., dell'Olio, L., & Moura, J. L. (2013). Bus Size and Headways Optimization Model Considering Elastic Demand. *Journal of Transportation Engineering*, 140, 04013021–1–04013021–9.

Ibeas, A., dell'Olio, L., Bordagaray, M., & Ortúzar, J. de D. (2014). Modelling parking choices considering user heterogeneity. *Transportation Research Part a-Policy and Practice*, 70, 41–49.

Lovreglio, R., Borri, D., dell'Olio, L., & Ibeas, A. (2014). A discrete choice model based on random utilities for exit choice in emergency evacuations. *Safety Science*, 62, 418–426.

Rojo, M., dell'Olio, L., Gonzalo-Orden, H., & Ibeas, A. (2013). Interurban bus service quality from the users' viewpoint. *Transportation Planning and Technology*, 36(7), 599–616.

Rojo, M., dell'Olio, L., Gonzalo-Orden, H., & Ibeas, A. (2015). Inclusion of quality criteria in public bus service contracts in metropolitan areas. *Transport Policy*, 42, 52–63.

Alonso, B., Moura, J. L., Ibeas, Á., & dell'Olio, L. (2013). Using O–D matrices for decision making in road network management. *Transport*, 28(1), 31–37.

Coppola, P., Ibeas, Á., dell'Olio, L., & Cordera, R. (2013). LUTI Model for the Metropolitan Area of Santander. *Journal of Urban Planning and Development*, 139(3), 153–165.

dell'Olio, L., Ibeas, Á., Barreda, R., & Sañudo, R. (2013). Passenger behavior in trains during emergency situations. *Journal of Safety Research*, 46, 157–166.

Ibeas, Á., Cordera, R., dell'Olio, L., & Coppola, P. (2013). Modelling the spatial interactions between workplace and residential location. *Transportation Research Part a-Policy and Practice*, 49, 110–122.

dell'Olio, L., Ibeas, Á., & Ruisánchez, F. (2012). Optimizing bus-size and headway in transit networks. *Transportation*, 39(2), 449–464.

Rojo, M., Gonzalo-Orden, H., dell'Olio, L., & Ibeas, Á. (2012). Relationship between service quality and demand for inter-urban buses. *Transportation Research Part A-Policy and Practice*, 46(10), 1716–1729.

Ruisánchez, F., dell'Olio, L., & Ibeas, A. (2012). Design of a tabu search algorithm for assigning optimal bus sizes and frequencies in urban transport services. *Journal of Advanced Transportation*, 46(4), 366–377.

Ibeas, T., Cordera, R., dell'Olio, L., Coppola, P., & Dominguez, A. (2012). Modelling transport and real-estate values interactions in urban systems. *Journal of Transport Geography*, 24, 370–382.

Bordagaray, M., Ibeas, Á., & dell'Olio, L. (2012). Modeling User Perception of Public Bicycle Services. *Procedia - Social and Behavioral Sciences*, 54, 1308–1316.

dell'Olio, L., Ibeas, A., Dominguez, A., & Gonzalez, F. (2012). Passenger preference analysis: Light rail transit or bus versus car. *Transport*, 27(3), 276–285.

Domínguez, A., Holguín-Veras, J., Ibeas, Á., & dell'Olio, L. (2012). Receivers' Response to New Urban Freight Policies. *Procedia - Social and Behavioral Sciences*, 54, 886–896.

Alonso, B., Moura, J. L., dell'Olio, L., & Ibeas, A. (2011). Bus stop location under different levels of network congestion and elastic demand. *Transport*, 26(2), 141–148.

dell'Olio, L., Ibeas, A., & Cecin, P. (2011). The quality of service desired by public transport users. *Transport Policy*, 18(1), 217–227.

Rojo, M., Gonzalo-Orden, H., dell'Olio, L., & Ibeas, A. (2011). Modelling gender perception of quality

- in interurban bus services. *Proceedings of the Institution of Civil Engineers-Transport*, 164(1), 43–53.
- Ibeas, A., Cordera, R., dell'Olio, L., & Moura, J. L. (2011). Modelling demand in restricted parking zones. *Transportation Research Part A-Policy and Practice*, 45(6), 485–498.
- Ibeas, A., dell'Olio, L., & Montequin, R. B. (2011). Citizen involvement in promoting sustainable mobility. *Journal of Transport Geography*, 19(4), 475–487.
- dell'Olio, L., Ibeas, A., & Moura, J. L. (2011). Implementing bike-sharing systems. *Proceedings of the Institution of Civil Engineers-Municipal Engineer*, 164(2), 89–101.
- dell'Olio, L., Ibeas, A., Cecin, P., & dell'Olio, F. (2011). Willingness to pay for improving service quality in a multimodal area. *Transportation Research Part C-Emerging Technologies*, 19(6), 1060–1070.
- Ibeas, A., dell'Olio, L., Alonso, B., & Sainz, O. (2010). Optimizing bus stop spacing in urban areas. *Transportation Research Part E-Logistics and Transportation Review*, 46(3), 446–458.
- Moura, J. L., Ibeas, A., & dell'Olio, L. (2010). Optimization-Simulation Model for Planning Supply Transport to Large Infrastructure Public Works Located in Congested Urban Areas. *Networks and Spatial Economics*, 10(4), 487–507.
- dell'Olio, L., Ibeas, A., & Cecin, P. (2010). Modelling user perception of bus transit quality. *Transport Policy*, 17(6), 388–397.
- dell'Olio, L., Ibeas, A., & Moura, J. L. (2009). Paying for parking: improving stated-preference surveys. *Proceedings of the Institution of Civil Engineers-Transport*, 162(1), 39–45.
- Ibeas, A., Moura, J. L., & dell'Olio, L. (2009). Planning school transport: design of routes with flexible school opening times. *Transportation Planning and Technology*, 32(6), 527–544.
- Ibeas, A., dell'Olio, L., Gonzalez, F., & Moura, J. L. (2009). Cost-benefit analysis of town centre car parks. *Proceedings of the Institution of Civil Engineers-Municipal Engineer*, 162(1), 41–50.
- Ibeas, A., Gonzalo-Orden, H., dell'Olio, L., & Moura, J. L. (2008). Sectional mapping of local roads in Spain. *Canadian Journal of Civil Engineering*, 35(11), 1200–1209.
- dell'Olio, L., Moura, J. L., & Ibeas, A. (2007). Bus transit accessibility for people with reduced mobility: The case of Oviedo, Spain. *International Journal of Transportation Engineers*, 77(1), 28—.
- Berodia, J. L. M., dell'Olio, L., & Portilla, A. I. (2007). Planning supply transport in port works. *Proceedings of the Institution of Civil Engineers-Maritime Engineering*, 160(2), 65–73.
- dell'Olio, L., Moura, J., & Ibeas, A. (2006). Bi-Level Mathematical Programming Model for Locating Bus Stops and Optimizing Frequencies. *Transportation Research Record*, 1971(1), 23–31.
- Ibeas, A., Moura, J. L., dell'Olio, L., & Ortuzar, J. D. (2006). Costing school transport in Spain. *Transportation Planning and Technology*, 29(6), 483–501.

Publications - Books

- Cordera, R., González-González, E., Nogués, S., & dell'Olio, L. (2023). Integrated transport and land-use modeling. In Handbook on Transport and Land Use. Edward Elgar Publishing.
- Lovreglio, R., Borri, D., Ronchi, E., Fonzone, A., & dell'Olio, L. (2022). The need for latent variables for modelling decision-making in evacuation simulations. *Economics and Engineering of Unpredictable Events: Modelling, Planning and Policies*, 82–96.
- Cordera, R.; Ibeas, Á.; dell'Olio, L.; Alonso, B. Land Use-Transport Interaction Models; Cordera, R., Ibeas, Á., Dell'Olio, L., Alonso, B., Eds.; 1st edition.; CRC Press: Boca Raton, London, New York, 2018; ISBN 9780203711811.
- dell'Olio, L.; Ibeas, Á.; Oña López, J. de; Oña López, R. de Public transportation quality of service : factors, models, and applications; Dell'Olio, L., Ibeas, Á., Oña López, J. de, Oña López, R. de, Eds.; 1st edition.; Elsevier: Amsterdam, Oxford, Cambridge, 2018; ISBN 9780081020807.
- Andreasson, I.; Leurent, F.; Corman, F.; dell'Olio, L. Applications and future developments: Modelling the diversity and integration of transit modes; 2016;
- Monzon, A., Rondinella, G., Ibeas, A., Moura, J.L., dell'Olio, L., et al. (2010) PROBIKE: Guide for Cycling Mobility: Methods and Techniques to Promote Bike Transport in Urban Areas. (In Spanish). IDAE, Madrid, Spain. (ISBN 9788496680500).
- Ibeas A., dell'Olio L., Moura J.L. (2006) Optimization-Simulation Approach For Transportation Planning. (In Spanish). Ed. Universidad De Cantabria, 165 Pp. (ISBN: 84-89627-70-3).
- Ibeas, Á., Gonzalez, F., dell'Olio, L., Moura, J.L. (2007) Transport Survey Manual. (In Spanish) Ed. Universidad De Cantabria, 159 Pp. (ISBN: 978-84-89627-73-4).
- Ortuzar J. De D. and L. Willumsen (Spanish Version) –Ibeas, Á., dell'Olio, L.) (2008) Modeling Transport. Ed. Publican, 709 Pp. (ISBN: 978-84-8102-512-5).

Publications - International Conferences

- Dell'Olio, L., Eboli, L., Mazzulla, G., & Fotino, M. P. (2023). Addressing systematic and random variation in tastes in passengers' perception of airlines' services. *EURO Working Group on Transportation 2023*, 1–6.
- Garus, A., Dell'Olio, L., Alonso, M., Mourtzouchou, A., Cordera, R., Alonso, B., & Ciuffo, B. (2023). Parking in the Era of Autonomous Vehicles - Investigating the Future Individual Preferences and their Implications. *EURO Working Group on Transportation 2023*, 1–3.
- Radics, M., Christidis, P., Alonso, B., & Dell'Olio, L. (2023). The 15-Minute City: Analysing Accessibility to Essential Daily Destinations by Active Mobility in Seville. *EURO Working Group on Transportation 2023*, 1–3.
- Garus, A., Alonso, B., Alonso Raposo, M., Mourtzouchou, A., Cordera, R., Lima Azevedo, C., dell'Olio, L., Seshadri, R., Moraes Monteiro, M., Ciuffo, B., (2023) Estimation of environmental rebound effect induced by shared automated passenger transport service in a mid-size European city via microsimulation. In: Transportation Research Board Annual Meeting.
- Garus, A., dell'Olio, L., Alonso Raposo, M., Mourtzouchou, A., Cordera, R., Alonso, B., Duboz, L., Ciuffo, B., (2022) Parking in the Era of Autonomous Vehicles - Investigating the Future Individual Preferences and their Implications. In: Transportation Research Board Annual Meeting. Washington DC.
- Belcore, O. M., Gangi, M. di, & dell'Olio, L. (2019). Discrete Choice Models and Conjoint Rating Experiment to Intercept Consumers' Attitude towards E-Grocery Services. In Association for European Transport (Ed.), Dublin European Transport Conference 2019.
- Sañudo, R., dell'Olio, L., Jardí, I., Garcia, M., Sanchez, F.J. (2018) Dinatrans, a new high speed track transition solution. Fourth International Conference on Railway Technology: Research, Development and Maintenance. Sitges (Spain).
- dell'Olio, L., Sañudo, r., Katschnig, C., Stroh, P. (2018) On the use of railway system: The opinion of different Stakeholders. Fourth International Conference on Railway Technology: Research, Development and Maintenance. Sitges (Spain).

- Sañudo Ortega, R., Markine, V. L., & dell'Olio, L. (2016). The effect of increasing train speed on track transition performance. *Civil-Comp Proceedings*, 110.
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Moura J.L., dell'Olio L., Ibeas A., (2008) Design Of Routes For School Transport With Variations In The Schedules Of The Schools. The 10th International Conference On Application Of Advanced Technologies In Transportation (Aatt 2008) - Compendium Of Papers Cd-Rom, Athens (Greece).

Rojo, M., dell'Olio L., Gonzalo, Moura J.L. (2008) User Satisfaction In Interurban Bus Transit: Modeling Relevant Variables And Their Influence. The 10th International Conference On Application Of Advanced Technologies In Transportation (Aatt 2008) - Compendium Of Papers Cd-Rom, Athens (Greece).

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Moura J.L., Ibeas A., dell'Olio L. (2007) Optimization-Simulation Model For Planning Supply Transport To Large Infrastructure Public Works Located In Congested Urban Areas. Transportation Research Board 86th Annual Meeting - Compendium Of Papers Cd-Rom, Washington (United States).

dell'Olio L., Ibeas A., Moura J.L., Borri D. (2007) Optimizing Bus Size In An Urban Public Transport Network. World Conference Of Transportation Research Society 2007 , Berkeley (United States).

Moura J.L., dell'Olio L., Ibeas A. (2007) A Bilevel Optimisation Model To Plan The Provision Of Transport To Big Infrastructural Works Located In Congested Urban Areas. World Conference Of Transportation Research Society 2007 , Berkeley (United States).

dell'Olio L., Moura J.L., Ibeas A. (2006) Physical And Operational Design In Transit Network. The 11th Meeting Of The Euro Working Group On Transportation, Bari (Italy), Pp. 84-89 (ISBN: 88-901798-2-1).

Ibeas A., dell'Olio L., Moura J.L. (2006) Willingness To Pay For Access Time Saving: Some Evidences. The 11th Meeting Of The Euro Working Group On Transportation, Bari (Italy), Pp. 322-327 (ISBN: 88-901798-2-1).

Rojo M., Gonzalo, dell'Olio L., Ibeas A. (2006) Modelling User Perception Of The Quality In Public Transport By Bus. Iii Workshop On Optimisation Of Urban Transportation Systems (Outs 2006), Toluca (Mexico).

Moura J.L., dell'Olio L., Ibeas A. (2006) Optimization-Simulation Model For Planning Supply Transport To Large Infrastructure Publics Works Located In Congested Urban Areas. Iii Workshop On Optimisation Of Urban Transportation Systems (Outs 2006), Toluca (Mexico).

Ibeas A., dell'Olio L., Moura J.L. (2006) Designing Stated Preferences Surveys To Calculate Willingness To Pay For Parking In An Underground Car Park. Iii Workshop On Optimisation Of Urban Transportation Systems (Outs 2006), Toluca (Mexico).

dell'Olio L., Moura J.L., Ibeas A. (2006) A Bi-Level Mathematical Programming Model To Locate Bus Stops And Optimize Frequencies. Transportation Research Board 85th Annual Meeting - Compendium Of Paper Cd-Rom, (Issn: 0361-1981) Washington (United States).

dell'Olio L., Moura J.L., Gonzalo, Ibeas A. (2006) Improving The Accessibility To Public Transport For People With Reduced Mobility. Trb 85th Annual Meeting - Compendium Of Papers Cd-Rom, Washington (United States).

dell'Olio L., Moura J.L., Ibeas A. (2005) A Model Of Cost Optimization For The Location Of Bus Stop. 10th Meeting Of The Euro Working Group On Transportation, Poznan (Poland), Pp.206-211 (ISBN: 83-7143-239-5).

Moura J.L., Ibeas A., dell'Olio L., De Grange L. (2005) A Bilevel Programming Model To Optimising The Modal Distribution Of Charge In Urban Environments With Congestion: The Case Of The New Port Of Laredo. 10th Meeting Of The Euro Working Group On Transportation, Poznan (Poland), Pp.178-183 (ISBN: 83-7143-239-5).

dell'Olio L., De Grange L., Moura J.L., Gonzalo dell'Olio., Ibeas A. (2005) A Model Of Urban Public Transport System Design. 3rd Siiv International Congress - Compendium Of Papers Cd-Rom, Bari (Italy) (ISBN: 88-902409-9-7).

Moura J.L., Ibeas A., dell'Olio L., De Grange L. (2005) A Bilevel Programming Model To Optimising The Modal Distribution Of Charge In Urban Environments With Congestion: The Case Of The New Port Of Laredo. 3rd Siiv International Congress - Compendium Of Papers Cd-Rom, Bari (Italy) (ISBN: 88-902409-9-7).

Ibeas A., dell'Olio L. (2004) The Problem Of The Location Of Bus-Stops In Urban Public Transport. The 10th World Conference On Transportation Research - Compendium Of Papers Cd-Rom, Istanbul (Turkey).

Relevant Research Projects

Project Title: Towards a new advanced, real-time, integrated mobility management system.
Head Researcher: prof. L. dell'Olio
Period: 2023-2026
Financing entity: Ministry of industry, employment, innovation and commerce. Gob. Cantabria.
Amount: 252.081€

Project Title: SUMCloud – Mobility data modelling using cloud computing.
Head Researcher: prof. J. L. Moura
Period: 2023-2025
Financing entity: Ministry of Economic Affair and Communication
Amount: 1.301.925€

Project Title: Next4Mob – Next Generations Tool for Advanced Mobility Solutions
Head Researcher: prof. L. dell'Olio
Period: 2021-2024
Financing entity: AEI (National Research Agency)
Amount: 61.970€

Project Title: Dynamic urban zoning to promote ecomobility using environmental and traffic data.
Head Researcher: prof. J.L. Moura
Period: 2022-2024
Financing entity: AEI (National Research Agency)
Amount: 132.250€

Project Title: REUNICE – Research with and for society.
Head Researcher: prof. L. dell'Olio
Period: 2021-2024
Financing entity: European Commission (H2020-IBA-SfS-2-2020-101035813)
Amount: 280.750€

Project Title: CIRCUIT: Holistic approach to foster CIRCUlar and resilient transport InfrasTructures and support the deployment of Green and innovation Public Procurement and innovative engineering practices.
Head Researcher: prof. D. Castro

Period: 2023-2027
Financing entity: European Commission (101104283-CIRCUIT-HORIZON-CL5-2022-D6-02)
Amount: 413.750€

Project Title: LIAISON: Lowering transport environmentAI Impact along the whole life cycle of the future tranSpOrt iNfrastructure.
Head Researcher: prof. D. Castro
Period: 2023-2027
Financing entity: European Commission (101103698-LIAISON-HORIZON-CL5-2022-D6-02)
Amount: 481.000€

Project Title: EUNICE - EUROPEAN UNIVERSITY FOR CUSTOMISED EDUCATION
Head Researcher: prof. M. Llosa
Period: 2020-2023
Financing entity: European Commission (101004083 - EUNICE - EAC-A02-2)
Amount: 726.967€

Project Title: G9 GO FOR THE MISSIONS
Head Researcher: prof. L. dell'Olio
Period: 2022-2024
Financing entity: European Commission (101061455-G9MISSIONS-HORIZON-MSCA-2022-01)
Amount: 63.000€

Project Title: G9 GREEN NIGHT: G9NIGHT
Head Researcher: prof. L. dell'Olio
Period: 2021-2022
Financing entity: European Commission (H2020-MSCA-NIGHT-2020-954912)
Amount: 17.450€

Project Title: S-TEAM: NIGHT SPANISH TEAM
Head Researcher: prof. L. dell'Olio
Period: 2020-2021
Financing entity: European Commission (H2020-MSCA-NIGHT-2020-954912)
Amount: 14.750€

Project Title: NEAR2050: FUTURE CHALLENGES FOR THE RAIL SECTOR
Head Researcher: prof. L. dell'Olio
Period: 2016-2019
Financing entity: European Commission
Amount: 112.875,64€

Project Title: MODELING AND CONTROL OF THE PERCEIVED AND OFFERED QUALITY AS AN INSTRUMENT TO ENCOURAGE THE USE OF PUBLIC PASSENGER TRANSPORTATION
Head Researcher: prof. L. dell'Olio
Period: 2016-2019
Financing entity: Spanish Ministry for Science Innovation and Universities
Amount: 98.010 €

Project Title: TRANSPACE – Advanced Land Use and Transport Interaction Model
Head Researcher: prof. L. dell'Olio
Period: 2013-2015
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)
Amount: 107.000 €

Project Title: Dynamic Transitions for High-Speed and Freight Transport Lines
Head Researcher: prof. L. dell'Olio
Period: 2012-2015
Financing entity: Ferrovial Agroman, S.A. and Ministry of Economy and Competitiveness ()
Amount: 209.906 €

Project Title: A Land-Use and Transport interaction model to simulate the impacts of sustainable transport modes
Head Researcher: prof. L. dell'Olio
Period: 2009-2011
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)

Amount: 449.052 €

Project Title: Physical and operational design of transport networks
Head Researcher: prof. L. dell'Olio
Period: 2006-2007
Financing entity: Castilla y Leon Regional Government (Spanish Government)
Amount: 8.500 €

Project Title: Intermodal logistic platform network
Head Researcher: prof. L. dell'Olio
Period: 2006-2009
Financing entity: Ministry of Science and Education (Spanish Government)
Amount: 20.757 €

Project Title: INTEGRATO – Model for Spatial and Temporal Integration of Public Transport Modes
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2010-2011
Financing entity: Ministry of Science and Education (Spanish Government)
Amount: 16.940 €

Project Title: Laboratory of Traffic and Public Transport dynamic modelling
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2010-2016
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)
Amount: 117.312 €

Project Title: REPLICIA – National Intermodal Logistic Network
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2009-2011
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)
Amount: 502.366 €

Project Title: Decision support system for high-speed train systems
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2009-2011
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)
Amount: 189.933 €

Project Title: TRANSMATE – Optimization of Supply Transport to Large Infrastructure Public Works
Located in Congested Urban Areas
Head Researcher: prof. J.L. Moura
Role in the project: Team manager
Period: 2008-2011
Financing entity: Ministry of Economy and Competitiveness (Spanish Government)
Amount: 405.938 €

Project Title: Optimizing multimodal coordination modelling users behaviour
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2009-2011
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 244.884 €

Project Title: Planning methodologies and management strategies to promote bicycle transport
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2007-2009
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 147.132 €

Project Title: New Road Infrastructure in Castilla y Leon: Territorial and Socioeconomic impacts
Head Researcher: prof. H. Gonzalo

Role in the project: Team manager
Period: 2007-2007
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 25.230 €

Project Title: Stated Preference Survey Design to model and manage sustainable transport modes
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2006-2008
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 54.293 €

Project Title: INTERBUS – Improving bus networks operations and multimodality
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2006-2008
Financing entity: CEDEX - Ministry of Public Works (Spanish Government)
Amount: 108.491 €

Project Title: Advanced modelling of inter-urban travel demand: Pilot study in Castilla and Leon
Head Researcher: prof. H. Gonzalo
Role in the project: Team manager
Period: 2006-2007
Financing entity: Ministry of Science and Education (Spanish Government)
Amount: 6.000 €

Project Title: Optimization and design of public transport network
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2006-2009
Financing entity: Ministry of Science and Education (Spanish Government)
Amount: 130.534 €

Project Title: Advanced methodology for Transport Survey Design including the last international improvements.
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2005-2007
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 80.792 €

Project Title: Improving accessibility to Burgos Province. Expected Income Increase
Head Researcher: prof. H. Gonzalo
Role in the project: Team manager
Period: 2005-2005
Financing entity: Ministry of Public Works (Spanish Government)
Amount: 5.900 €

Project Title: Road Infrastructure Safety Protection
Head Researcher: prof. A. Ibeas
Role in the project: Team manager
Period: 2005-2007
Financing entity: Technische Universitat Dresden (Germany)
Amount: 21.000 €

Professional Projects

Sustainable Mobility Plan of the following cities:

1. Arnauero (Spain)
2. Santander (Spain)
3. Rzeszow (Polonia)
4. Comillas (Spain)
5. Colindres (Spain)
6. Cantabria – Region (Spain)
7. Leon (Spain)
8. Torrelavega (Spain)
9. Camargo (Spain)
10. Los Corrales de Buelna (Spain)

Public Transport Network and Operational Design and Optimization of the following cities:

1. Santander (Spain)
2. Torrelavega (Spain)
3. Rzeszow (Polonia)
4. Leon (Spain)
5. Oviedo (Spain)

Traffic Studies of the following cities:

1. Andria (Italy)
2. PSIR Marina and Medio Cudeyo (Spain)
3. Santander (Spain)
4. Cantabria – Region (Spain)
5. Laredo Port (Spain)
6. Liencres (Spain)
7. Metro Lima (Peru)
8. Ciudad de Mexico (Mexico)
9. Kuwait City (Kuwait)

Cantabria Regional School Transport Contract Optimization (Spain)

Accessibility Studies:

1. Scientific and Technologic Park of Cantabria (Spain)
2. Oviedo (Spain)

Management of Public Transport Operational Support Systems:

1. Santander

Transport Survey Design:

1. Spanish Network of Municipality and Provinces (FEMP)

Memberships

Member of International Advisory Board of ART – Authority for Transport Regulation – Italian Presidency of Council of Ministers.

Member of Council of the Association for European Transport

Member of round table of Railway Transport in Cantabria

Member of Management Committee of TUD COST Action TU0903 - Methods and tools for supporting the use, calibration and validation of traffic simulation models (MULTITUDE)

Substitute member of Management Committee of TUD COST Action TU1004 - Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems

Institution of Civil Engineer (Italy)

Friend of Public Transportation and Development (AP025) committee of TRB – Transportation Research Board

Academic tutor of the FERROVIAL - AGROMAN S.A. project

Member of EWGT – Euro Working Group on Transportation

Member of board of FIT – Foro de Ingeniería de los transportes (Spanish Engineering Transport Forum)

Reviewing Activities - Journals

More than 260 papers reviewed:

Transportation Research Part A: Policy and Practices (91)
Transport Policy (19)
Transportation (10)
Networks and Spatial Economics (10)
Computers in Human Behavior (10)
Safety Science (9)
Journal of Transportation Engineering (ASCE) (9)
Proceedings of the Institution of Civil Engineers -Urban Design and Planning (9)
International Journal of Sustainable Transport (8)
Journal of Intelligent transportation Systems (7)
Journal of Transport Geography (7)
Proceedings of the Institution of Civil Engineers – Transport (7)
Proceedings of the Institution of Civil Engineers - Municipal Engineering (7)
Transportmetrica (4)
Travel Behaviour and Society (3)
Public Transport (3)
Cities (2)
Transportation Research Part F: Traffic Psychology and Behavior (2)
European Journal of Operational Research (2)
Journal of Air Transport Management (2)
Journal of Choice Modelling (2)
Journal of Public Transportation (2)
Journal of Transport and Health (2)
Research in Transportation Business and Management (2)
Research in Transportation Economics (2)
Transport Reviews (2)
Case Studies on Transport Policy (1)
Transportation Research Part B: Methodological (1)
Transportation Research Part D: Transport and Environment (1)
IEEE transactions on Intelligent Transportation Systems (1)
Journal of Transport Economics and Policy (1)
Journal of Transport and Land Use (1)
Land Use Policy (1)
Multimodal Transportation (1)

Reviewing Activities -
Conferences

Transportation Research Board Annual Meeting
Euro Working Group on Transportation
AATT 2008 - 10th International Conference on Application of Advanced Technologies in Transportation
Conference on Advanced Systems for Public Transport
3rd International SIIV Congress
Congreso Panamericano de Ingenieria de Transito transporte y Logistica
Congreso de Ingenieria de los Transportes

Reviewing Activities - Research
and Professional Proposals

Research Foundation – Flanders (FWO)
Romanian Research Council (Romania)
Chilean Research Council - CONICYT (Chile)
Spanish Ministry of Science and Innovation (Spain)
EQA - European Quality Assurance
DNV-GL
ACIE – Spanish Agency for Certification
ANEP - National Agency of Project Evaluation (Spain)
ANVUR - National Agency of Project Evaluation (Italy)

Academic Visits 2012 - Technical University of Bari (Italy)
2011 - Università degli studi di Roma - Tor Vergata (Italy)
2006 - Technical University of Bari (Italy)
2005 - Rensselaer Polytechnic Institute (United States)
2004 - Technical University of Bari (Italy)
2003 - Universidad Catolica Pontificia de Chile (Chile)

Editorial Board Membership More than 180 paper managed:

2024 – Present: Transport Policy – Associate Editor
2023 – Present: Latin American transport Studies – Editorial Board Member
2022 – Present: Future Transportation - Editorial Board Member
2021 – Present: Frontiers in Future Transportation – Associate Editor
2021 – Present: Multimodal Transportation – Editorial Board Member
2019 - Present: Transportation Research Part A: Policy and Practices - Editorial Advisory Board
2018 - Present: Sustainability - Editor (Sustainable Transport Section)
2017 - Present: Journal of Advanced Transportation - Academic Editor
2017 - Present: Estudios de Transporte - International Editorial Committee
2015 - Present: Tema: Journal of Land Use, Mobility and Environment - Associate editor
2012 - Present: Journal of Scientific Research and Reports - Academic Editor

Guest Editor:

2023 – Travel Behaviour and Society - Guest Editor
2023 – Transportmetrica B - Guest Editor
2023 - Transportation Research Part A: Policy and Practices - Guest Editor
2018 - Transportation Research Part A: Policy and Practices - Guest Editor
2016 - Transportation Research Part A: Policy and Practice - Guest Editor
2016 - Procedia - Social and Behavioral Sciences - Guest Editor