

# Amanda Stathopoulos

## Associate Professor. William Patterson Junior Chair

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## Education

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| Jan. 2009-Dec. 2011 | <b>Ph.D Transportation Economics</b> , Trieste University at DEAMS (Department of Economics, Business, Mathematics and Statistics "Bruno de Finetti"), Trieste, Italy, PhD Thesis: Modeling heterogeneous decision processes and joint decision-making in travel demand models (Viva completed April 2012.), Supervisors Prof. Romeo Danielis and Prof. Edoardo Marcucci.                |
| Oct. 2006-Jul. 2008 | <b>M.Sc Development Economics</b> , Two-year MSc in Economic and Social sciences for Cooperation and Development, Sapienza University, Rome, Italy. Awarded with full marks (110/110 con lode) average mark of 29.6/30, Thesis: Interactive or unitary Households? A choice experiment on housing decision-making. Subject course: Econometrics, supervised by Prof. Francesco Carlucci. |
| Sep. 2003-Nov. 2006 | <b>BA Development Economics</b> , Political and economic sciences for cooperation and development, University of Roma Tre, Rome, Italy, Acceptability of urban road pricing strategies: The Stockholm trial. Subject course: Development Economics, supervised by Prof. Edoardo Marcucci   |

## Professional Positions

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| Sep. 2021- current  | <b>Junior Patterson Chair; Associate Professor</b> , Department of Civil and Environmental Engineering, McCormick School of Engineering and Applied Science, Northwestern University, Evanston, IL, USA.                          |
| Sep. 2014- 2021     | <b>Junior Patterson Chair; Assistant Professor</b> , Department of Civil and Environmental Engineering, McCormick School of Engineering and Applied Science, Northwestern University, Evanston, IL, USA.                          |
| Jan. 2012-Aug. 2014 | <b>Research Fellow - Post-Doc</b> , Transportation and Mobility Laboratory, School of Architecture, Civil and Environmental Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland.                            |
| Aug. 2011           | <b>Visiting Scholar</b> , Institute for Transport Studies (ITS), Leeds University, UK.<br>Host: Prof. Stephane Hess   |
| Jan. 2011-Jun. 2011 | <b>Tutor</b> , University of Padova and Centro 'Giorgio Lago', Rome, Italy, Advanced course on 'Policies for regional development'. Invitalia SpA. (Italian Government national agency for investments for regional development). |
| Feb. 2010-Apr. 2010 | <b>Visiting Scholar</b> , Institute for Transport Studies (ITS), Leeds University, UK.<br>Host: Prof. Stephane Hess   |
| Jan. 2009-Mar. 2009 | <b>Research Collaborator</b> , Department of 'Istituzioni Pubbliche Economia e Società (DIPES) at Roma Tre University and I-Com, Italian institute for competitiveness.   |
| Jul. 2007-Aug. 2007 | <b>Internship</b> , World Food Programme, Transition and Emergency Department, H.Q., Rome, Italy.   |
| Jan. 2005-Feb. 2005 | <b>Consultant</b> , NERA Economic Consulting, Rome, Italy.  |

## Research Interests

- Travel behaviour, acceptance and adoption processes towards new mobility options and technological innovation
- Contribution of mobility innovation to urban resilience and quality of life via mixed methods research using qualitative and quantitative approaches
- Modelling transformative mobility services (automation, sharing, on-demand), focusing on model advancement to assess impact on transportation systems and diverse user groups
- Modelling (non-utility maximising) decision processes and accounting for attitudes to improve understanding of (realistic) respondent behaviour
- Freight behaviour modeling and behavior in crowd-shipping systems; interaction among stakeholders and modelling diffusion and performance of freight innovations

## Awards, Appointments & Memberships

### Awards

- NSF CAREER Award, 2019
- Award for Best Research on Innovation paper by TRB Urban Freight Transportation Committee for "Performance Analysis of Crowd-shipping in Urban and Suburban Areas", 2018
- Northwestern Alumnae Award for Curriculum Development, 2017
- Ph.D scholarship from Trieste University 'M.I.U.R. - Progetto Giovani Ricercatori' from Italian Ministry of Education, Universities and Research, 2009-2011

### Appointments

- Vice Chair TRB Travel forecasting Committee AEP50 (2022-cont.)
- Zephyr foundation Board member (2022-cont.)
- Appointment to the National Academies Transportation Research Board (TRB) Standing Committee on 'Statistical Methods ABJ80 (2020-2023)
  - Leading the *Workshop and Discussion Group* task-group for ABJ80 (starting 2020)
- Appointment to the National Academies Transportation Research Board (TRB) Standing Committee 'Transportation Demand Forecasting' ADB40 (2015-2021)
  - Chair of sub-committee on 'Emerging Methods and Developments in Urban Activity and Travel Analysis' for ADB40 (2015-2020)
- William Patterson Junior professorship Chair, 2015-2021, Northwestern University, Department of Civil and Environmental engineering
- Searle Teaching Program Fellow, Northwestern University (2016)
- Qualified to access Associate Professor positions through Italian National Scientific Habilitation (2014-2018)
- Honorary Fellow (Cultore della Materia) in Applied Economics and Development Economics, Italy, 2010

### Academic Memberships

- Faculty affiliate of Northwestern Spatial Intelligence and Learning Center (SILC), since 2018
- Faculty affiliate of Northwestern Transportation Center (NUTC), since 2015
- Affiliate of University of Leeds Choice Modelling Centre (CMC), since 2015
- Member of Center for Research on the Economics of Institutions (CREI), Roma Tre University, since 2009
- Member of Italian Society of Transport Economists (SIET), since 2008

## Research Grants and Participation in Research Projects

<b>NSF-SCC</b> Oct. 2021-2022	<b>Improving healthcare access in marginalized communities through smart connected technologies, USD 100'000, <u>Co-Investigator</u> (PI Marco Nie),</b> Duration: 12 m, Smart Connected Communities Planning Grant project.
<b>State Dept.</b> Oct. 2020-2021	<b>Future Innovations in Embassy, USD 418'000, <u>Co-Investigator</u> (PI Kimberly Gray),</b> Duration: 12 m, Project with US Department of State & The Bureau of Overseas Buildings Operations (OBO) on Future Innovations in Embassy Planning, Design, Construction & Operation. Krueck & Sexton Architects, LTD
<b>National Collegiate Inventors and Innovators Alliance, Inc.</b> Jun. 2021-Dec. 2024	<b>Designing Sustainable &amp; Just Communities: Developing an Undergraduate Curriculum Around Innovation, Climate Action and Social Justice, USD 3500, <u>Co-PI</u> (PI Kimberly Gray),</b> Duration: 12 m, Curriculum innovation. Supported by Venturewell
<b>DOT</b> Sep. 2020-2022	<b>University Transportation Center: Tier I Center on TELEMObILITY Communications Technology and E-Commerce Effects on Travel Demand, USD 1'000'000, <u>Co-Investigator</u>, <u>Co-leading behavioral and data team</u> (PI Hani Mahmassani),</b> Duration: 18 m, Funded by US Department of Transportation, (in consortium with the University of California, Berkeley, and the University of Texas, Austin).
<b>NU-CESR</b> 2020-2021	<b>NU Center for Engineering Sustainability and Resilience Collaborative Research Seed Grant, USD 60'000, Duration: 6 m, <u>PI</u> (co-PI Agnes Horvat),</b> Awarded for project 'Community Vulnerability Index: Examining resilience to overlapping hazards'.
<b>NHC</b> May. 2020	<b>Resilience of Social Capital Networks to Social Distancing: Multiscale Evolution of Physical and Virtual Support Networks, USD 2.8k, <u>PI</u>,</b> Duration: 6 m, Funded by Natural Hazards Center – COVID-19 Quick Response research grant.
<b>NSF-Career</b> Mar. 2019–2024.	<b>Transformative mobility analysis: Mixed Methods framework, USD 500'000, <u>PI</u>,</b> Duration: 60 m, Funded by US National Science Foundation, Civil, Mechanical and Manufacturing Innovation (CMMI) Civil Infrastructure Systems #1847537.

<b>DOT-FHWA</b> Dec. 2018–Sep 2019	<b>Models and policy tools for emerging transportation services: Promoting socially inclusive outcomes</b> , USD 5'000, <u>PI</u> (Supported J. Soria), Duration: 12m, Funded by US Department of Transportation Federal Highway Administration # 693JJ31945046.
<b>NSF-BIC</b> Sept. 2015–2018, extension 2019.	<b>Smart CROWdsourced Urban Delivery (CROUD) System</b> , USD 1'000'000, <u>co-PI</u> (PI Yu (Marco) Nie), Duration: 36 m, Funded by US National Science Foundation: Partnership For Innovation - Building Innovation capacity (in consortium with the Kellogg School at NU & University of Illinois at Chicago) #1534138.
<b>NU-Finite Earth</b> Sept-Mar. 2019	<b>NU Finite Earth Initiative Data Science Award</b> , USD 35'000, Duration: 6 m, <u>PI</u> (co-PI Wei Chen), Awarded for project 'Shaping energy futures: understanding adoption of clean technology using novel data sources'.
<b>NU-NICO</b> May-Sept. 2017	<b>NU Institute for Complex Systems (NICO) Data Science Initiative award</b> , USD 35'000, Duration: 6 m, <u>PI</u> (co-PI's Agnes Horvat, Ying Chen), Awarded for project 'Is ours better than mine: Investigating collaborative consumption systems'.
<b>NU-Alumnae</b> Aug-Sept. 2017	<b>Alumnae of Northwestern University Award for Curriculum Development</b> , USD 12'500, Duration: 2 m, <u>sole PI</u> , awarded to develop new undergraduate CEE course "Engineering Possibilities: Decision Science in the Age of Smart Technologies", link to Alumnae award.
<b>NISSAN</b> Mar. 2014–Sept 2014.	<b>ELECTRIC VEHICLE ADOPTION DYNAMICS: EXPLORING MARKET POTENTIALS</b> , CHF 450'000, <u>Project Manager</u> (PI M. Bierlaire, Collaborator A. Fernández Antolín), Duration: 36 m, Funded by Nissan International.
<b>SNSF</b> Sep. 2013–2016.	<b>CAPTURING LATENT CONCEPTS WITH NON INVASIVE SENSING SYSTEMS</b> , CHF 180'150, <u>Project Manager</u> (PI M. Bierlaire, Collaborator E. Kazagli), Duration: 2013–2016, Funded by the Swiss National Science Foundation, Grant #200021_146621.
<b>Constellium</b> Jul. 2012-Dec. 2012	<u>Project Manager</u> , Scientific service contract for Constellium / Innovation Cells, CHF 35'000 École Polytechnique Fédérale de Lausanne (EPFL), Switzerland; Outcome: choice experiment adapted to evaluate market viability and pricing strategy of novel aerospace product.
<b>PSA Peugeot Citroën</b> Apr. 2012-Mar. 2013	<b>A DYNAMIC VEHICLE CHOICE FORECASTING FRAMEWORK</b> , CHF 98'400, <u>Project Manager</u> (PI M. Bierlaire, Collaborator A. Glerum), Duration: 12 m, Aim: develop a novel methodology for forecasting car ownership transition behaviour and model attitude profiles, PSA Peugeot Citroën.
<b>PRIN</b> Mar. 2010-Sep. 2012	<b>METHODS AND MODELS FOR EFFICIENT ESTIMATION OF URBAN FREIGHT DISTRIBUTION STRATEGIES</b> , EURO 36'869, <u>Project Collaborator</u> (PI F. Filippi), Duration: 24 m. Funded by Italian PRIN (Research Program of Relevant National Interest), Grant #2008-YEPPM3-005
<b>VRef</b> Jan. 2009-Dec. 2010	<b>INNOVATIVE SOLUTIONS TO FREIGHT DISTRIBUTION IN THE COMPLEX LARGE URBAN AREA OF ROME</b> , <u>Project Collaborator</u> (PI F. Filippi), Duration: 48 m, Task: Coordinator and organizer of focus-group meetings with stakeholders and CAPI interviews with urban freight operators in Rome's Limited Traffic Zone, Funded by Volvo Research Foundation, Grant #SP-2007-50.

## Publications

Summary peer-reviewed publications: Journals (J): 52; Books: 1; Book Chapters (BC): 4; subm: 4; Editor of special issues: 5  
 ★Northwestern PhD, ◇ MS, ▷ UG, ‡ post-doc

### Citations

○ Citations in Google Scholar: 2734 h-index: 25, i10-index: 38  
 ○ Scopus, h-index: 21

### Book

- B1** Marcucci, E., Gatta, E., Valeri, E. Stathopoulos, A. (2013) Urban Freight Transport Modelling: An Agent-specific Approach, Franco Angeli Editor, Milan, Italy

### Papers in Journals - submitted/under review

- S3** Tahlyan, D★., Mahmassani, H., Said, M★., ., Stathopoulos, A., Walker, J., Shaheen, S., Johnson, B. (2023) "InPerson, Hybrid or Remote? Employers Perspective on the Future of Work Post-Pandemic", submitted to Technological Forecasting and Social Change
- S2** Bella, G★., Borowski, E. Stathopoulos, A. (2023) "Leveraging Innovative Food Delivery Programs as a Community Resilience Resource: Empirical Spatiotemporal Analysis of Crowdsourced Food Delivery", Journal of Transport Geography, under review
- S1** Bella, G★., Borowski, E. Stathopoulos, A. (2023) "'I'm pissed off with the whole system': Qualitative analysis of barriers to healthcare-access faced by low-income older adults in Chicago", submitted to Journal of Transport and Health

### Peer-reviewed journal papers - recently accepted

- J53** Said, M\*, Aeschliman, S\*, Stathopoulos, A. (2023) "Robots at your doorstep: acceptance of near-future technologies for automated parcel delivery" **Scientific Reports** 13 18556
- J52** Soria, J\*, Etzioni. S. Ben-Elia, E. Shiftan, Y. Stathopoulos, A. (2023) "Microtransit adoption in the wake of the COVID-19 pandemic: evidence from a choice experiment with transit and car commuters" **Transportation Research part C: Emerging Technologies** vol. 157

### Peer-reviewed journal papers - published

- J51** Borowski, E\*, Soria, J\*, Schofer, J. Stathopoulos, A. (2023) "Does ridesourcing respond to unplanned rail disruptions? A natural experiment analysis of mobility resilience and disparity" **Cities** vol. 40, 104439
- J50** Borowski, E\*, Stathopoulos, A. (2023) "Nowhere to go? A study of marginalization, social connection, and mental health outcomes among young adults experiencing the COVID-19 pandemic" **Transport and Health** vol. 30, 101589
- J49** Sha, Z., Cui, Y., Xiao, Y., Stathopoulos, Contractor, N., Fu, Y., Chen, W., (2023) "A network-based discrete choice model for decision-based design" **Design Science.** vol 9, e7
- J48** Soria, J\*, Edward. D\* Stathopoulos, A. (2023) "Requiem for Transit Ridership? An examination of who abandoned, who will return, and who will ride more with Mobility as a Service" **Transport Policy** vol. 134, pp 139-154
- J47** Said\*, Tahlyan, D\*, M., Walker, J. Shaheen, S Stathopoulos, A. Mahmassani, H. (2023) "In-Person, Pick Up or Delivery? Evolving Patterns of Household Spending Behavior Through the Early Reopening Phase of the COVID-19 Pandemic " **Travel Behavior and Society** vol 31. pp 295-311
- J46** Said\*, M., Soria\*, J., Stathopoulos (2022) "Shifting Mobility Behaviors in Unprecedented Times: A Multigroup MIMIC Model Investigating Intentions to Use On-demand Ride Services During the COVID-19 Pandemic" **Transportation Research Record**
- J45** Chen, E., Nie, M. Stathopoulos (2022) "Transfer station choice in a multimodal transit system:an empirical study" **Transportation Research Part A: Policy and Practice**, **165**, 337-355
- J44** Borowski\*, E., Stathopoulos (2022) "Protection or Peril of Following the Crowd in a Pandemic-Concurrent Flood Evacuation" **ASCE Natural Hazards Review**, Vol. 24(1)
- J43** Said\*, M., Zejdela, E. Stathopoulos (2022) "Accelerating the Adoption of Disruptive Technologies: The Impact of COVID-19 on Intention to Use Self-Driving Vehicles" **Transportation Research Record**
- J42** Tahlyan, D\*, Maness, M. Stathopoulos, A. (2022) "Disentangling social capital–Understanding the effect of bonding and bridging on urban activity participation" **Transportation Research Interdisciplinary Perspectives**, 15, 100629.
- J41** Tahlyan, D\*, Said\*, M., Walker, J. Shaheen, S Stathopoulos, A. Mahmassani, H. (2022) "For Whom Did Telework Not Work During the Pandemic? Understanding the Factors Impacting Telework Satisfaction in the US Using a Multiple Indicator Multiple Cause (MIMIC) Model" **Transportation Research Part A: Policy and Practice**, vol 155, 387-402
- J40** Soria, J\*, Stathopoulos, A. (2021) "Investigating socio-spatial differences between solo ridehailing and pooled rides in diverse communities" **Journal of Transport Geography**, vot 95, 103148.
- J39** Borowski, E\*, Limontitla Cedillo, V\*, Stathopoulos, A. (2021) "Dueling emergencies: Flood evacuation ridesharing during the COVID-19 pandemic" **Transportation Research Interdisciplinary Perspectives**, Vol. 10, 100352
- J38** Said, M\*, Biehl, A\*, Stathopoulos, A. (2021) "Interdependence in active mobility adoption: Joint modelling and motivational spill-over in walking, cycling and bike-sharing", **International Journal of Sustainable Transportation**, published online 1 March 2021, pp 1-19
- J37** Harb, M., Stathopoulos, A., Shiftan, Y., Walker, J. (2021) "What Do We (Not) Know About Our Future with Automated Vehicles? A Literature Review of Travel-Related Behavior Implications" **Transportation Research Part C: Emerging Technologies**, Vol. 123, 102948
- J36** Ermagun. A., Stathopoulos, A. (2021) "Crowd-Shipping Delivery Performance from Bidding to Delivering" **Research in Transportation Business & Management**, accepted Dec 1st 2020
- J35** Biehl, A\*, Stathopoulos, A. (2020) "Investigating the Interconnectedness of Active Transportation and Public Transit Usage as a Primer for Mobility-as-a-Service Adoption and Deployment" **Journal of Transport & Health**, Vol. 18, 100897
- J34** Soria, J\*, Chen, Y., Stathopoulos, A. (2020) "K-Prototype Segmentation Analysis on Large-scale Ridesourcing Trip Data" **Transportation Research record**, Vol. 9, p. 383-394
- J33** Borowski, E\*, Stathopoulos, A. (2020) "On-demand ridesourcing for urban emergency evacuation events: An exploration of message content, emotionality, and intersectionality" **International Journal of Disaster Risk Reduction**, Vol. 44, pp. 101406
- J32** Ermagun, A\*, Punel, A\*, Stathopoulos, A. (2020) "Shipment Status Prediction in Online Crowd-Sourced Shipping Platforms" **Sustainable Cities and Society** Vol. 53, pp. 101950
- J31** Ermagun, A\*, Shamshirpour, A., Stathopoulos, A. (2020) "Performance Analysis of Crowd-Shipping in Urban and Suburban Areas" **Transportation** Vol. 47, pp. 1955–1985

- J30 Le, T, Stathopoulos, A. Van Woensel, T. Ukkusuri, S.V (2019) "Supply, Demand, Operations, and Management of Crowd-shipping Services: A Review and Empirical Evidence" **Transportation Research Part C: Emerging Technologies** Vol. 103, pp 83-103
- J29 Sha, Z., Bi, Y., Wang, M., Stathopoulos, A., Contractor, N., Fu, Y. and Chen, W. (2019) "Comparing Utility-Based and Network-Based Approaches in Modeling Customer Preferences for Engineering Design" **Proceedings of the Design Society 22nd International Conference on Engineering Design (ICED19)** Vol. 1, No. 1, pp. 3831-3840, Cambridge University Press.
- J28 Mete, F., Chen, Y., Stathopoulos, A. Corr, D. (2019) "Comparative study of predictive analysis methods to estimate Bridge response" **Transportation Research record** Vol. 2673, issue 9, pp 365-376
- J27 Biehl, A., Ermagun, A., Stathopoulos, A. (2019) "Utilizing stage-based behavioral theory to model the process of bikeshare adoption" **Transportation Policy** Vol. 77, pp 30-45
- J26 Punel, A., Ermagun, A., Stathopoulos, A. (2019) "Push and Pull Factors in Adopting a Crowdsourced Delivery System" **Transportation Research record** Vol. 2673 issue 7, pp 529-540
- J25 Biehl, A., Chen, Y., Sanabria-Veaz, K., Uttal, D., Stathopoulos, A. (2019) "Where does active travel fit within local community narratives of mobility space and place?" **Transportation Research Part A: Policy and Practice** Vol. 123, pp 269-287
- J24 Biehl, A., Ermagun, A., Stathopoulos, A. (2018) "Community mobility MAUP-ing: A Socio-Spatial Investigation of Bikeshare Demand in Chicago" **Journal of Transport Geography** Vol. 66, pp 80-90
- J23 Biehl, A., Ermagun, A., Stathopoulos, A. (2018) "Modelling determinants of walking and cycling adoption: A stage-of-change perspective" **Transportation Research Part F: Traffic Psychology and Behaviour** Vol. 58, pp 452-470
- J22 Ermagun, A., Stathopoulos, A. (2018) "To Bid or Not To Bid: The Supply Determinants of Crowd-Shipping" **Transportation Research Part A: Policy and Practice**, Vol. 116, pp 468-483
- J21 Punel, A., Ermagun, A., Stathopoulos, A. (2018) "Studying Determinants of Crowd-shipping Use" **Travel Behaviour and Society** Vol. 12, pp. 30-40
- J20 Stathopoulos, A., Sener, I. (2017). "Transforming mobility systems with sharing and automation" **Transportation**, Vol. 44(6), pp 1255-1259 <http://rdcu.be/vKi8>
- J19 Punel, A., Stathopoulos, A. (2017) "Modeling the acceptability of crowdsourced goods deliveries: role of context and experience effects", **Transportation Research Part E: Logistics and reviews** Vol. 105, pp. 18-38
- J18 Varotto, S., Glerum, A., Stathopoulos, A., Bierlaire, M., Longo, G. (2017) "Mitigating the impact of errors in travel time reporting on mode choice modelling" **Journal of Transport Geography** vol 62, pp. 236-246
- J17 Stathopoulos, A., Cirillo, C., Cherchi, E., Ben-Elia, E., Li, Y.-T., Schmocker, J.-D. (2017) "Innovation adoption modeling in transportation: new models and data", **Journal of Choice Modelling**, Vol. 65, pp 61-68
- J16 He, M., Lu, H., Stathopoulos, A., Nie, M. (2017) "Characterization of Trip-level Pace Variability based on Taxi GPS Trajectory Data", **Transportation Research Record**, Vol. 2667, issue 1, pp 51-60
- J15 Miller, J., Nie, M., Stathopoulos, A. (2017) "Crowdsourced Urban Package Delivery: modelling traveler Willingness to Work as Crowdshippers", **Transportation Research Record** Vol. 2610 issue: 1, pp 67-75
- J14 Hess, S., Stathopoulos, A. (2014). "A mixed random utility - random regret model linking the choice of decision rule to latent character traits" **Journal of Choice Modelling**, Vol. 9, pp 27-38
- J13 Stathopoulos, A., Marcucci, E., (2014). "De Gustibus Disputandum Est: Non-Linearity in Public Transportation Service Quality Evaluation". **International Journal of Sustainable Transportation**, Vol. 8(3), pp 47-68
- J12 Stathopoulos, A., Marcucci, E. (2014). "Measuring service quality and local public transport performance" **International Journal of Sustainable Transportation**, Vol. 8(1), pp 1-4
- J11 Hess, S., Stathopoulos, A., (2013). "Linking response quality to survey engagement: a combined random scale and latent variable approach". **Journal of Choice Modelling**, Vol. 7, pp 1-12
- J10 Hess, S., Stathopoulos, A., Campbell, D., O'Neill, V., Caussade, S., (2013). "It's not that I don't care, I just don't care very much: confounding between attribute non-attendance and taste heterogeneity". **Transportation**, Vol. 40(3), pp 583-607
- J9 Stathopoulos, A., Valeri, E., Marcucci, E., (2013). "Urban freight policy acceptability: Eliciting agent specific preferences via efficient experimental design". **Zeitschrift für Verkehrswissenschaft**, Vol. 84(3), pp 237-259
- J8 Stathopoulos, A., Hess, S., (2012). "Revisiting reference point formation, gains-losses asymmetry and non-linear sensitivities with an emphasis on attribute specific treatment". **Transportation Research Part A: Policy and Practice**, Vol. 46(10), pp 1673-1689
- J7 Hess, S., Stathopoulos, A., Daly, A., (2012). "Allowing for heterogeneous decision rules in discrete choice models: an approach and four case studies". **Transportation**, Vol. 39(3), pp 565-59



- J6** Stathopoulos, A., Valeri, E., Marcucci, E., (2012). "Stakeholder reactions to urban freight policy innovation". **Journal of Transport Geography**, Vol. 34(1), pp 15-38
- J5** Marcucci, E., Stathopoulos, A., (2012). "Multi-level governance and transport policy: the case of local roads in Italy". **International Journal of Transport Economics**, Vol. 34(1), pp 15-38
- J4** Valeri, E., Stathopoulos, A., Marcucci, E., (2012). "Energy efficiency in the transport sector, policy evolutions and evaluation in some european countries". **Economics and Policy of Energy and the Environment**, Vol. 2(2), pp 1-36
- J3** Marcucci, E., Stathopoulos, A., Gatta, V., Valeri, E., (2012). "A stated ranking experiment to study policy acceptance: the case of freight operators in Rome's LTZ". **Regional Science/Scienze Regionali**, Vol. 3, pp 11-30
- J2** Marcucci, E., Stathopoulos, A., Danielis, R., (2012). "Urban freight policies and tourism. The case of own-account operators in Rome's limited traffic zone". **Italian Review of Economics, Demography and Statistics**, Vol. 66(2), pp 121-139
- J1** Marcucci, E., Stathopoulos, A., Danielis, R., Rotaris, L., (2011). "Comparing single and joint preferences: A choice experiment on residential location in three-member households". **Environment and Planning, Part A**, Vol. 43(5), pp 1209 - 1225

### Journal Papers in Journals: Italian

- IJ1** Stathopoulos, A., Marcucci, E., 2012. Scelta residenziale delle famiglie: ruolo dell'interazione fra membri e impatto territoriale. **EyesReg - Journal of the Italian Association of Regional Science**, Vol. 1(1), online

### Papers in preparation

- Prep5** Biehl, A\*, Chen, Y., Stathopoulos, A. (2020) "Susceptibility to Behavioral or Cognitive Change : Using Support Vector Machine modelling for stages of change" *in preparation*
- Prep4** Soria, E\*, Stathopoulos, A. (2020) "Transportation network companies in the new transportation ecosystem" *in preparation*
- Prep3** Soria, J\*, Chen, Y., Stathopoulos, A. (2020) "Competing on-demand mobility services: Spatial and Sociodemographic investigation of Taxi and Ridesourcing services in Chicago, Illinois", *in preparation*
- Prep2** Punel, A\*, Stathopoulos, A. Horvat, A. (2020) "Modeling Driver Behavior in Crowd-shipping systems", *Submitted to The international conference series on Advances in Social Network Analysis and Mining (ASONAM )*
- Prep1** Punel, A\*. Said, M\*. Chen, Y., Stathopoulos, A (2019) 'Peer-to-peer Shipping Platform Matching Performance via Communication Analysis" *in preparation*

### Editor of Special Issues

- E5** Stathopoulos, A., with Nie, M, Ban, J. 2018. Editor of special issue "Transportation System Analysis for Better Policy-Making" **Transportation**
- E4** Stathopoulos, A., with Sener, I, 2017. Editor of special issue "Transforming mobility systems with sharing and automation" **Transportation**, Vol. 44(6), pp 1255-1259 <http://rdcu.be/vKi8>
- E3** Stathopoulos, A., with Lin, J., Nie, MI, 2017. Editor of special issue "Emerging Urban Mobility Services: Characterization, Modeling and Application" **Transportation Research Part C: Emerging Technologies**, Vol. 44(6), pp 1255-1259 <http://rdcu.be/vKi8>
- E2** Stathopoulos, A., with Marcucci, E., 2014. Editor of special issue "Measuring Service Quality and Local Public Transport Performance" **International Journal of Sustainable Transportation**, Vol. 8(3), pp 1-4
- E1** Marcucci, E., Stathopoulos, A., 2012. Editor of special issue "Quality, Regulation and Environmental Sustainability in Public Transport". **International Journal of Transport Economics**, Vol. 34(1), pp 15-38

### Writing and coverage In the broader press

- o Biehl, A\*, Stathopoulos, A. Transport Policy and Well-Being: Curing a New Pathology of the Urban Traveler, Northwestern Public Health Review, 2019
- o WTTW Chicago's PBS station Alex Ruppenthal "Chicago's Divvy Divide: Convenient Bike-Share Program or Sign of Gentrification?" Jan 4, 2019
- o Smart Cities Dive, Jason Plautz "As bike-share expands, neighborhood perception is key" Jan 2, 2019
- o Chicago streets blog, Lynda Lopez "A Tale of Two Communities: Views on Transportation in Humboldt Park and Evanston" Dec 13, 2018
- o American Association for the Advancement of Science (AAAS) EurekAlert! "Neighborhoods influence Chicagoans' transportation decisions" Nov 29, 2018
- o Association of Psychological Science Publication "Psychological Research May Offer a Route to Greener Travel" Aug 1, 2018

## Book Chapters

- BC4** Shiftan, Y., Stathopoulos, A. (2020) On automation and self-driving (eds Goulias, K., Davis, A.), in Mapping the Travel Behavior Genome, Wiley & Sons, Hoboken NJ, pp 635-673
- BC3** Valeri, E., Stathopoulos, A., Marcucci, E., Gatta, (2016) Travelers' Perceptions of Security for Long Distance Travel: An Exploratory Italian Study (eds Hakim, S., Albert, G., Shiftan, Y), in Securing Transportation Systems, Wiley & Sons, Hoboken NJ, pp 91-107
- BC2** Marcucci, E., Valeri, E., Stathopoulos, A., Gatta, (2012) Local public transport, service quality and tendering contracts (eds Venezia, E.), in: Urban Sustainable Mobility, Franco Angeli, Milan, Italy
- BC1** Stathopoulos, A., Valeri, E., Marcucci, E., Gatta, V., Nuzzolo, A., Comi, A., (2011) Urban freight policy innovation for Rome's LTZ: A stakeholder perspective, in: 'City distribution and urban freight transport: multiple perspectives' (eds Macharis, C., and Melo, S.), Edward Elgar Publishing, Cheltenham UK

## Book Chapters: Italian

- IBC7** Stathopoulos, A., Valeri, E., Marcucci, E., Gatta, V., (2011). La mobilità urbana delle merci: in 'Linee guida dei piani di logistica urbana sostenibile (ed. Delle Site, Filippi, Nuzzolo), Maggioli Editore, Santarcangelo, ISBN 8838782015
- IBC6** Stathopoulos, A., Valeri, E., Marcucci, E., Gatta, V., (2011). Analisi delle preferenze per politiche di logistica urbana nella ZTL di Roma, in: in 'Sostenibilità, Qualità e Sicurezza nei Sistemi di Trasporto e Logistica (ed. Marcucci, E.), Franco Angeli, Milano, ISBN 978-88-568-3742-1
- IBC5** Stathopoulos, A., (2010). Household residential preferences: a choice experiment to compare joint and separate decisions, in: Competitività del sistema e ricadute sul territorio', (eds Borruso, G., Danielis, R., Musso, E.) Franco Angeli, Milano, ISBN 978-88-568-2528-2
- IBC4** Stathopoulos, A., (2010). Uso di mezzi a due ruote e politiche di sviluppo sostenibile, in: Sviluppo sostenibile, tutela dell'ambiente e della salute umana, Morlacchi Editore, Perugia. ISBN 978-88-6074-339-8
- IBC3** Valeri, E., Stathopoulos, A., Marcucci, E., Gatta, V., Rotaris, L., (2010). Ottimizzazione della logistica distributiva nella ZTL a Roma: ruolo degli attori e processo decisionale, in: Sviluppo sostenibile, tutela dell'ambiente e della salute umana, Morlacchi Editore, Perugia. ISBN 978-88-6074-339-8
- IBC2** Stathopoulos, A., (2008). Congestion policy and public acceptability in practice: Lessons from Stockholm on the role of choice, in: Economia dei trasporti e logistica economica: Ricerca per l'innovazione e politiche di governance, (Ed Forte, E.), Giordano Editore, Milano.
- IBC1** Stathopoulos, A., (2008). La politica di tariffazione marginale delle strade: preoccupazione ambientale o problema di accessibilità?, in: Sviluppo sostenibile, Tutela dell'Ambiente e della Salute Umana, Morlacchi Editore, Perugia.

## Online working papers

- WP3** Hess, S., Stathopoulos, A., 2011, Linking response quality to survey engagement: a combined random scale and latent variable approach, Institute for Transport Studies, ITS Working Paper, University of Leeds, →download
- WP2** Stathopoulos, A., Hess, S., 2011, Referencing, Gains-Losses Asymmetry And Non- Linear Sensitivities In Commuter Decisions: One Size Does Not Fit All!, CREI Working Papers 0511, Università degli Studi Roma Tre, →download
- WP1** Marcucci, E., Stathopoulos, A., Danielis, R., Rotaris, L., 2010, Residential choices and interaction in three-member households: a choice experiment, University of Urbino 'Carlo Bo' working Paper series, Department of Economics, No 1012, →download

## Conference proceedings

- C61** Huang, E. Hofstra, A. Stathopoulos, "Is Transit Providing Fair Service? Analyzing Public Perceptions of Equity Ideals in Chicago, ILS", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C60** Aeshliman, S. Stathopoulos "THE RETURN TO TRANSIT IN A CHANGING LANDSCAPE: TELEWORK AND SAFETY CONCERNS", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C59** Tahlyan, D., Said, M., Mahmassani, H., Stathopoulos, A., Walker, J., Shaheen, S. "A Random Intercept Latent Transition Analysis (RI-LTA) of Consumer Spending Across Online and In-Person Channels Through the Pandemic", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C58** Chou, C. Borowski, E. Stathopoulos, A. "Resource-Sharing Behavior During Flooding Events: A Latent Class Analysis to Guide Community-Based Relief Distribution", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C57** Fan, Y. Stathopoulos, A. "From Intention to Action: A Longitudinal Examination of Factors Contributing to Active Transportation Mode Shifts Amid and After Pandemic", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C56** Dai, T., Bella, G., Stathopoulos, A. Nie, M., "Processing and Validating Passively Generated Mobile Phone Data for Commute Pattern Estimation: a Case Study from Chicago", Accepted for TRB Annual Meeting in Washington D.C. 2024

- C55** Bella, G., Dai, T. Nie, M., Stathopoulos, A. "A Bias Paradox: an evaluation of data representativeness and effects of smart phone privacy restrictions on passively-generated mobile phone data", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C54** Borowski, H., Stathopoulos, A. "A 'Near Undefinable Aspect to Social Interaction in Person': An Exploration of the Subjective Value of Travel Through the Words of LGBTQ+ Young Adults", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C53** Bella, G., Borowski, H., Stathopoulos, A. "Leveraging food delivery programs as a community resilience resource: A demand-driven spatial and temporal analysis of need", Accepted for TRB Annual Meeting in Washington D.C. 2024
- C52** Bella, G., Borowski, H., Stathopoulos, A. "I'm pissed off with the whole system": A qualitative analysis of barriers to healthcare access faced by low-income older adults in Chicago", Accepted for 2023 TRB Annual Meeting in Washington D.C. 2024
- C51** Said, Aeshliman, S.Stathopoulos, A. "Robots at your doorstep? Acceptance of near-future technologies for automated parcel delivery", 64th International Meeting of the Transportation Research Forum, Chicago, 2023
- C50** Bella, D., Borowski, H., Stathopoulos, A. "Innovations in Food Accessibility: A Comparison of Evaluation Frameworks to Study Crowdsourced Delivery Participation", 64th International Meeting of the Transportation Research Forum, Chicago, 2023
- C49** Bella, D., Borowski, H., Stathopoulos, A. "Learning from Late Adopters: Using an Adoption of Innovations Perspective to Study Crowdsourced Food Delivery Participation", Annual Conference of the Institute of Transportation Engineers August 13-16, 2023 in Portland, Oregon
- C48** Tahlyan, D., Mahmassani, H., Stathopoulos, A., Walker, J., Shaheen, S. Johnson, B. In-Person, Hybrid or Remote? Employers' Perspective on the Future of Work Post-Pandemic, 2023 TRB Annual Meeting in Washington D.C.
- C47** Tahlyan, D., Mahmassani, H., Stathopoulos, A., Walker, J., Shaheen, S. Trajectories of Telework Through the Pandemic: Outlook and Implications for Cities, 2023 TRB Annual Meeting in Washington D.C.
- C46** Hamad, N., Tahlyan, D., Said, M., Mahmassani, H., Stathopoulos, A., Walker, J., Shaheen, S. Modeling the Effects of Telework on the Duration, Distance, and Time of Day of Out-of-Home Non-Work Activities, 2023 TRB Annual Meeting in Washington D.C
- C45** Tahlyan, D., Said, M., Mahmassani, H., Stathopoulos, A., Walker, J., Shaheen, S. "Latent Transition Analysis of Consumer Spending Behavior and Adaptation Across Online and In-Person Channels Through the Pandemic", 2022 TRB Annual Meeting in Washington D.C.
- C44** Said. M., Zajdela, E., Stathopoulos. A. Accelerating the Adoption of Disruptive Technologies: The Impact of COVID-19 on Intention to Use Self-Driving Vehicles. Presented at the 2022 TRB Annual Meeting in Washington D.C.
- C43** Borowski. E. Bella, G. Stathopoulos. Third Place Closure Impacts on Social Connection and Mental Health Outcomes for Marginalized Young Adults in the COVID-19 Pandemic, Presented at the 2022 TRB Annual Meeting in Washington D.C.
- C42** Soria. J. Edward, D. Stathopoulos. Travel Behavior After a COVID-19 Lockdown in Tel Aviv, Israel: Traditional Commute Modes versus Microtransit, Presented at the 2022 TRB Annual Meeting in Washington D.C.
- C41** Said. M, SORIA, J. Stathopoulos. Robots at Your Doorstep? Acceptance of Near-Future Modes for Parcel Delivery, Presented at the 2022 TRB Annual Meeting in Washington D.C.
- C40** Soria. J. Edward, D. Stathopoulos. A.Requiem for Transit Ridership? An Examination of Who Abandoned, Who Will Return, and Who Will Ride More with Mobility as a ServicePresented at the 2022 TRB Annual Meeting in Washington D.C.
- C39** Said, M., Tahlyan, D., Stathopoulos, A., Mahmassani, H., Walker, J., Shaheen, S. . In-Person, Pick Up or Delivery? Evolving Patterns of Household Spending Behavior Through the Early Reopening Phase of the COVID-19 Pandemic, 4th Bridging Transportation Researchers Online Conference, August 4-5, 2022.
- C38** Biehl, A\*, Stathopoulos, A. Applying and Assessing the Stages of Change for Modeling Active Mobility Adoption, American Association for Public Opinion Research 75th Annual Conference, Virtual, June 11-12, 2020
- C37** Borowski, E\*, Stathopoulos, A. On-Demand Ridesourcing for Emergency Relocation: An Exploratory Analysis of Context and Emotionality, Transportation Research Board 98th Annual Meeting, 19-05418, 2019
- C36** Biehl, A\*, Said, M\*, Stathopoulos, A. Parallel Decision-Making Processes: a Bivariate Ordered Probit, Stage-of-Change Approach to Model the Adoption of Walking, Cycling, and Bike-sharing, Transportation Research Board 98th Annual Meeting, 19-03330, 2019
- C35** Biehl, A\*, Stathopoulos, A. Combining Continuum and Multi-Stage Psychological Frameworks through a MIMIC model: A Joint Exploration of Active Travel and Public Transit Usage, Transportation Research Board 98th Annual Meeting, 19-01814, 2019
- C34** Ermagun, A.‡, Stathopoulos, A. Analyzing the Crowd-Shipping Delivery Performance from Bidding to Delivering, Transportation Research Board 98th Annual Meeting, 19-03950, 2019
- C33** Punel, A\*, Ermagun, A.‡, Stathopoulos, A. How Different Are Crowd-shipping Users and Non-users?, Transportation Research Board 97th Annual MeetingTransportation Research Board, 18-05587, 2018



- C32 Biehl, A\*, Ermagun, A.†, Stathopoulos, A. What Drives Behavioral Change? An Application of the Transtheoretical Model to Walking and Cycling Behavior, Transportation Research Board 97th Annual MeetingTransportation Research Board, 18-05522, 2018
- C31 Biehl, A\*, Ermagun, A.†, Stathopoulos, A. Utilizing stage-based behavioral theory to model the process of bikeshare adoption, Transportation Research Board 97th Annual MeetingTransportation Research Board, 18-05526, 2018
- C30 Biehl, A\*, Ermagun, A.†, Stathopoulos, A. A Critical Review of the Transtheoretical Model for Exploring New Routes to Achieving Travel Behavior Change, Transportation Research Board 97th Annual MeetingTransportation Research Board, 18-05515, 2018
- C29 Punel, A\*, Ermagun, A.†, Stathopoulos, A. A Dynamic Prediction of Shipment Status in Crowd-Sourced Delivery Platforms, Transportation Research Board 97th Annual MeetingTransportation Research Board, 18-06436, 2018
- C28 Biehl, A\*, Ermagun, A.†, Stathopoulos, A. Community MAUP-ing: A Socio-Spatial Investigation of Bikeshare Demand in Chicago, Transportation Research Board 97th Annual Meeting, 18-05503, 2018
- C27 Mete, F\*, Chen, Y.†, Stathopoulos, A., Corr, D. Assessment of Bridge Performance Through Statistical and Machine Learning Algorithms: A Comparative Study, Transportation Research Board 96th Annual Meeting, 2017
- C26 Biehl, A\*, Ermagun, A.†, Stathopoulos, A. Towards a framework for identifying success parameters for equitable bike sharing, Association of American Geographers (annual meeting), Philadelphia, 2017
- C25 Punel, A\*, Stathopoulos, A. Modeling Behavior and Acceptance of Crowdshipping, 58th Transportation Research Forum, Chicago, April 20-21, 2017
- C24 Punel, A\*, Ermagun, A.†, Stathopoulos, A. Modeling the Acceptability of Crowdsourced Goods Deliveries, INFORMS Transportation and Logistics Society, First Triennial Conference, Chicago, Illinois, USA July 26-29, 2017
- C23 Miller, J\*, Nie, M. Stathopoulos, A. Crowdsourced Urban Package Delivery: modelling traveler Willingness to Work as Crowdshippers, Transportation Research Board 96th Annual Meeting, 2017
- C22 Punel, A\*, Stathopoulos, A. Exploratory Analysis of Crowdsourced Delivery Service Through a Stated Preference Experiment, Transportation Research Board 96th Annual MeetingTransportation Research Board, Washington, 2017
- C21 Biehl, A\*, Chen, Y, Uttal, D. Stathopoulos, A. Exploring Active Transport Needs in a Chicago Neighborhood Using Focus Groups, TRB, Washington, 2017
- C20 Varotto, S. Glerum, A. Stathopoulos, A., and Bierlaire, M. Modelling travel time perception in transport mode choices, Proc. Swiss Transport Research Conference, Monte Verità, Switzerland, 2014
- C19 Hanseler, F. Molyneaux, N. Stathopoulos, A., and Bierlaire, M. Schedule-based estimation of pedestrian demand within a railway station, Proc. Swiss Transport Research Conference, Monte Verità, Switzerland, 2014
- C18 Antolin, A. Stathopoulos, A., and Bierlaire, M. Exploratory analysis of endogeneity in discrete choice models, Proc. Swiss Transport Research Conference, Monte Verità, Switzerland, 2014
- C17 Hess, S., Stathopoulos, A. Linking the decision process to indicators of real world perceptions in a latent variable latent class approach, Transportation Research Board 93rd Annual MeetingTransportation Research Board, 14-4894, Washington, 2014
- C16 Stathopoulos, A., Glerum, A., Thémans, M., and Bierlaire, M. Dynamic vehicle ownership forecasting, Proc. Swiss Transport Research Conference, Monte Verità, Switzerland, Apr. 24-26, 2013
- C15 Stathopoulos, A., Glerum, A., Thémans, M., and Bierlaire, M. Dynamic vehicle ownership forecasting, Proc. European Symposium on Quantitative Methods in Transportation Systems, Lausanne, Switzerland, Sep. 4-7, 2012
- C14 Stathopoulos, A., Marcucci, E., Heterogeneity in Urban Freight Policy Analysis: The Case of Own-Account Retailers and Transport Providers in Rome's LTZ, Proc. International Conference on Travel Behavior Research, Toronto, US, Jul. 15-20, 2012
- C13 Hess, S. Stathopoulos, A., Linking the decision process to underlying constructs in a latent variable latent class approach: first round, Proc. International Conference on Travel Behavior Research, University of Toronto, US, Jul. 15-20, 2012
- C12 Hess, S. Stathopoulos, A., Daly, A., Allowing for heterogeneous decision rules in discrete choice models: an approach and four case studies, International Choice Modeling Conference, Jul. 4-6, Oulton, UK, 2011
- C11 Hess, S., Stathopoulos, A., Linking response quality to survey engagement: a combined random scale and latent variable approach, International Choice Modeling Conference, Jul. 4-6, Oulton, UK, 2011
- C10 Stathopoulos, A., Hess, S., Modeling multi-attribute reference-dependence in choice experiments: Does one size fit all?, Proc. TRB ( Traveler Behavior and Values Committee (ADB10)), Washington DC, US, Jan. 23-27, 2011
- C9 Stathopoulos, A., Valeri, E., Marcucci, E. Stakeholder acceptability of freight policy innovation: Lessons from Rome's Limited Traffic Zone, Proc. TRB (reviewed by Planning Paper Review Subcommittee (AT025(1))), Washington DC, US, Jan. 23-27, 2011
- C8 Hess, S., Stathopoulos, A., Daly, A., Mixing of behavioral processes: a modeling framework and four case studies, Proc. TRB (reviewed by Transportation Demand Forecasting Committee (ADB40)), Washington DC, US, Jan. 23-27, 2011

- C7** Marcucci, E. Gatta, V. Stathopoulos, A. E Valeri., Designing an Efficient Stated Ranking Experiment for Ex Ante Urban Freight Policy Evaluation in a Three Agent Type Context: Retailers, Own-Account and Carrier, SIET, Italy, 2011
- C6** Hess, S., Stathopoulos, A., Linking response quality to survey engagement: a combined random scale and latent variable approach. Proc. European Transport Conference, Glasgow, UK, Oct. 11-13, 2010
- C5** Stathopoulos, A., Hess, S. Modeling multi-attribute reference-dependence in choice experiments: Does one size fit all?. Proc. World Conference on Transport, Lisbon, Portugal, Jul. 11-15, 2010
- C4** Stathopoulos, A., Valeri, E., Marcucci, E., Acceptability of freight policy innovation from a stakeholder perspective: Rome's limited traffic zone. Proc. World Conference on Transport, Lisbon, Portugal, Jul. 11-15, 2010
- C3** Marcucci, E., Stathopoulos, A. Danielis, R., Rotaris, L. Residential location preferences and relative power in three-member households: a choice experiment. Proc International Conference of the International Association for Travel Behaviour Research (IATBR), Jaipur, India, Dec. 13-18 2009
- C2** Marcucci, E., Stathopoulos, A., Danielis, R., Rotaris, L.: Environmental quality and accessibility trade-offs in household residential location choices: A choice experiment to measure member interaction and relative power. Proc. Kuhmo-Nectar IV International Conference on Pricing, Financing, Regulating Transport Infrastructures and Services, Urbino, Italy, Jul. 9-11, 2007
- C1** Stathopoulos, A.: Acceptance of road pricing between personal experience and political bias: The Stockholm trial. Proc. Kuhmo-Nectar IV International Conference on Pricing, Financing, Regulating Transport Infrastructures and Services, Urbino, Italy, Jul. 9-11, 2007

## Presentations at Scientific Meetings and Workshops

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### Workshop organization

- Co-organizing & presenting: Mathematical Foundations for Equity in Transportation System at the Institute for Pure and Applied Mathematics (IPAM), co-organizer, UCLA, Jan 22 - 26, 2024
- Presiding: Workshop on "Data-science meets statistical modeling: A future research agenda for analysis using integrated data and methods" lead organizer, Transportation Research Board, Committee on Statistical Methods, Washington DC, Jan 8, 2023
- Presiding: Workshop on Automation, IATBR Annual International Association of Travel Behavior Research, co-organized with Yoram Shiftan., Santa-Barbara, US, July 16, 2018
- Presiding: Workshop on Innovation Adoption Modeling, Fourteenth International Conference on Travel Behaviour Research (IATBR), co-organized with Cinzia Cirillo., Windsor, UK, July 23 2015

### Invited Speaker in Seminars and Workshops

- talk: "The postpandemic future of work, travel and activities", TRB workshop 5004 "Hybrid work, activity patterns and travel choices in the post-pandemic era" Jan 11th 2024
- talk&panel: "Engineering as open-ended problem solving: ideas for teaching", Joseph Schofer Technical Symposium session on 'Evolution and Future of Transportation Education', Nov 17 2023
- talk&panel: "The Present and Future of Work-from-Home", Cornell symposium on Spatial Structure and Travel Patterns of the Post-Pandemic City, April 14, 2023
- talk&panel: "Urban logistics and delivery platforms", Studio Gang Re/Inventing City Planning to Address Contemporary Issues, March 29, 2023
- talk: "Shaping the Future of Work: Business and Employee Perspectives", TRB workshop on Travel in the Post-Pandemic Era, Jan 12, 2023
- talk&panel: "Envisioning Resilient and Sustainable Infrastructure", ISEN symposium, Northwestern University, Dec 1, 2022
- talk&panel: "Do Revealed Preferences Tell us Much about our Travel Needs?", Transportation Research Board Plenary Lectern, Standing Committee on Transportation Demand Forecasting (AEP50), Jan 25th, 2021
- talk: University of Chicago, Environmental data science, Seminar Series – Virtual talk, Jan 14th 2021
- talk: Eindhoven University of Technology, Operations, Planning, Accounting, and Control Group Seminar, Dep. IE – Virtual talk, Dec 10, 2020
- talk: "Modeling Ridesourcing effects on communities: opportunities and challenges for urban mobility systems", University of South Florida, Transportation Research Seminar series, Virtual talk, Oct 23, 2020
- talk: "Modeling Innovative Mobility Services: Future of Passenger and Freight Movement" Presentation at The 4th NYUAD Transportation Symposium, University of New York Abu Dhabi, (organisers: Samer Madanat, Ali Diabat, Monica Menendez, Saif Jabari), Arab Emirates, Nov. 2018
- talk: "Models of human decisions for improving sustainability policy"; Campus Partners meeting (NU, Lurie Children's and Shirley Ryan Ability Lab), Chicago, US, Sept 17, 2018

- talk: "Nearly neoclassical – choice analysis in practice balancing prediction and description"; Invited Presentation at workshop in honour of McFadden, University of California at Santa Barbara, (organisers: Stephane Hess, Joan Walker, Moshe Ben-Akiva), Santa Barbara, US, July 2018
- talk&panel: "Resilience for people and communities", Center for Resilient Communities - Inaugural workshop, Northwestern, Evanston, US, Apr. 19-20, 2018
- talk: Envisioning Future Cities; National Science Foundation's workshop From science fiction to smart, sustainable, and resilient urban systems, New York, US, Aug 2017
- talk: "Empirical analysis of crowd-sourced freight deliveries", Choice Modelling Centre Seminar, Institute for Transport Studies, University of Leeds, UK, Nov 10, 2016
- talk&panel: "A research perspective on new tools to facilitate crowd sourced package delivery", NUTC Business Advisory Committee Meeting, Evanston, US, Apr 21, 2016
- talk&panel: "Transportation Capacity and Congestion Management" UILabs City Digital Emerging Technology Showcase, Chicago, US, October 6th 2015
- talk: "Reported or calculated travel model inputs? Modelling errors in travel time in transport mode choices", Seminar series, University of Illinois at Chicago, US, March 6th, 2015
- talk: "Dynamic vehicle ownership forecasting: a framework to model inter-temporal renewal decisions", 13th Workshop on discrete choice models, TranspOR, EPFL, Switzerland, May 30, 2013
- talk: "Car demand in the future: enriching forecasting models with market dynamics, behavioural variables and policy evolution". Research and innovation for transport systems of the future, Paristech, Ministère Recherche et Enseignement Supérieur, Paris, France, Nov. 14, 2012
- talk: "Modelling the purchase of alternative fuel vehicles: intangible determinants?", Interdepartmental Research Center for the Economics of Institutions Seminar Series, Roma Tre, Italy, Feb 27, 2012
- talk: "Heterogeneous decision rules in discrete choice models", 1st Workshop on Modelling behaviour: recent advances and future directions', Institute for Transport Studies, Leeds, UK, Sep. 8, 2011
- talk: "Modelling heterogeneous decision rules in discrete choice models", 7th Workshop on discrete choice models, TranspOR, EPFL Lausanne Switzerland, Aug. 25-27, 2011

### Conference Presentations

- P34** 'The role of crowdsourcing mobility systems in urban resilience', 3-5 June 2020, Actionable Science for Urban Sustainability, Virtual conference
- P33** 'Empirical analysis of crowd-sourced freight deliveries', July 16, 2018, International Conference on Travel Behaviour Research, Santa Barbara, US
- P32** 'Prediction of Shipment Performance in a Crowd-sourced Delivery Platform', July 16, 2018, International Conference on Travel Behaviour Research, Santa Barbara, US
- P31** 'Crowdsourced Urban Package Delivery: modelling traveler Willingness to Work as Crowdshippers', Transportation Research Board Annual conference, Washington, USA, Jan 8-12 2017
- P30** Modeling Behavior and Acceptance of Crowdshipping, 58th Transportation Research Forum, Chicago, April 20-21, 2017
- P29** Modeling the Acceptability of Crowdsourced Goods Deliveries, Session SA4: Behavioral Data and Demand Estimation, INFORMS Transportation and Logistics Society, First Triennial Conference, Chicago, Illinois, USA July 26-29, 2017
- P28** Shipping by the crowd: empirical analysis of operations and behavior, VRef Foundation Conference, Goteborg, Sweden, Oct 17 2016
- P27** Understanding Behavior and Motivations for Using Crowd-shipping, TRB 94th Annual Meeting, Jan 11-15, 2015, Washington DC & Session: 785 'Travel Demand Models R Us'
- P26** Modelling travel time perception in transport mode choices, TRB 94th Annual Meeting, Jan 11-15, 2015, Washington DC & Session: 785 'Travel Demand Models R Us'
- P24-25** Linking decision processing to indicators of real world perceptions in a latent variable latent class approach 2<sup>nd</sup> & Dynamic vehicle ownership forecasting, hEART Symposium, KTH, Stockholm, Sweden, September 4-6, 2013
- P23** Dynamic vehicle ownership forecasting: a framework to model inter-temporal renewal decisions, Swiss Transport Research Conference, Monte Verità, Switzerland, Apr. 24-26, 2013
- P22** Dynamic vehicle ownership forecasting, 1st European Symposium on Quantitative Methods in Transportation Systems, Lausanne, Switzerland, Sep. 4-7, 2012
- P20-21** Linking the decision process to underlying constructs in a latent variable latent class approach: first round & Heterogeneity in Urban Freight Policy Analysis: The Case of Own-Account Retailers and Transport Providers in Rome's LTZ 13th International Conference on Travel Behavior Research, Toronto, US, Jul. 16-17, 2012

- P19** Modelling alternative fuel vehicle purchases: a discrete choice experiment, Nectar Cluster-2 Workshop on Urban and Regional Transport: Regulation, Sustainability, E-Mobility, Feb. 10, 2012, Dresden, Germany
- P16-18** Revisiting reference point formation, gains-losses asymmetry and non-linear sensitivities: one size does not fit all! & Modelling heterogeneous decision rules in discrete choice models & It's not that I don't care, I just don't care very much: confounding between attribute non-attendance and taste heterogeneity Glasgow, UK, European Transport Conference, Oct. 10-12, 2011
- P15** Veicoli a carburanti alternativi: prospettive di mercato ed un'analisi sperimentale, Annual conference Italian society for industrial economists, Trieste, Italy, Sep. 23, 2011
- P14** Allowing for heterogeneous decision rules in discrete choice models: an approach and four case studies, 2nd International Choice Modelling Conference, Oulton, UK, Jul. 4-6 2011
- P13** Factors influencing alternative fuel vehicle purchase: a discrete choice experiment, SIET XIII annual conference, Messina, Italy, Jun. 16-17, 2011
- P12** Jointly Accounting for Departures from Compensatory Decision-Protocols and Joint Decision-Making (Doctoral student research seminar: P11-1936), Transportation Research Board 90th annual meeting, Washington DC, US, Jan. 23-27, 2011
- P11** talk: De gustibus est disputandum: Preference heterogeneity in a SP experiment on transit service quality, Nectar Cluster-2 workshop, Rome, Italy, Oct. 22-23, 2010
- P10** Linking response quality to survey engagement: a combined random scale and latent variable approach, European Transport Conference, Glasgow, UK, Oct. 11-13, 2010
- P8-9** Modelling multi-attribute reference dependence in a commuting experiment: does one size fit all? & Acceptability of freight policy innovation from a stakeholder perspective: Rome's LTZ, 12<sup>th</sup> World Conference on Transport Research, Lisbon, Portugal, Jul. 11-15, 2010
- P6-7** Modelling multi-attribute reference dependence in a commuting choice experiment: Does one size fit all? & Urban freight policy innovation for Rome's LTZ: a stakeholder perspective, SIET XII annual conference, Rome, Italy, Jun. 17-18, 2010
- P5** Urban Freight transport innovation for Rome's LTZ - decision making in a complex policy scenario, Nectar Cluster-3 meeting, Porto, Portugal, Nov. 22 2009
- P4** Urban Freight transport innovation for Rome's LTZ, CREI workshop, Rome, Italy, Nov. 4, 2009
- P3** La politica di tariffazione marginale delle strade, CIRIAF 8<sup>th</sup> annual meeting, Perugia, Italy, Apr. 4-5, 2008
- P2** Congestion policy and public acceptability in practice: Lessons from Stockholm on the role of choice, SIET IX annual conference, Napoli, Italy, Oct. 3-5 2007
- P1** Acceptance of road pricing between personal experience and political bias: The Stockholm trial, Kuhmo Nectar Conference and Summer School, Urbino, Italy, Jul. 9-11, 2007

## Teaching Experience

### Course development and teaching

- CEE201 Engineering Possibilities, decision science in the age of smart technologies', [1 credit] Winter 2019 (38 students); Spring 2020 (30 students, capped); Winter 2022 (32 students); Winter 2023 (35 students), Northwestern, Gateway class.**  
The goal of this CEE gateway class developed with Alumnae foundation support is to introduce students to the foundational principles of smart city technology and interventions. Students are trained in four areas a) theories of urban systems and planning, b) data, urban sensing and computational approaches, c) evaluation methods and governance, d) behavior of citizens and decision-makers. Instruction uses a mix of lectures and guest lectures, in-class exercises, and team work with solo and team assignments. *Course is a basic engineering course for CEE students*
- CEE377 Choice modeling in Engineering – New course, [1 credit] Spring Q. 2023 (11 students); Spring Q. 2022 (15 students), Northwestern.**  
The course also covers the theory and practice of choice modeling, behavioral analysis, and latent variable analysis, using psychological constructs and factor analysis to better understand decision making processes that play an important role in engineering system impacts. To support application and 'learning by doing', the course will use R software and hands-on sessions to teach data-exploration, experimental design, logit modeling, and Exploratory/Confirmatory Factor analysis. The knowledge gained from this course is valuable for research and professional practice in planning, operations and management of engineered systems affected by human preferences, goals, attitudes and biases. *Course is a tech elective for engineering, and elective in the Transportation and Logistics minor, and McC. Data Science Minor.*
- CEE371/479 Transportation Systems Planning and Analysis – Redesigned course. Hybrid UG and Graduate, [1 credit] Spring Q. 2023 (36 Undergraduate & 12 Grad students = 48 total), Northwestern.**  
characteristics, functions, organization, operations, and planning of passenger and freight transportation systems, both urban and intercity facilities and services. We will discuss some history and explore contemporary and emerging transportation issues from the perspective of planning and analysis methods and considering sustainability, equity, and resilience. We will learn some useful tools for analysis, problem solving and service design, including elements of travel forecasting, network analysis, data analysis and sources, and transportation service design. *Course is a Civil Engineering Breadth class, or tech elective for CEE students*

- CEE480-1 **Travel Demand Analysis & Forecasting**, [1 credit] Winter Q. 2015 (17 students); Winter Q. 2016 (12 students); Winter Q. 2017 (16 students); Winter 2019 (16 students); Winter 2020; 2021; 2022, Northwestern.  
Class focuses on statistical, econometric, and behavioral choice model methods used to study and forecast travel demand. The course introduces theory of travel demand and transportation planning, along with practical tools and methods to model data and make decisions to improve transportation systems. Instruction is based on theoretical lectures coupled with computer lab practice lectures where students learn to handle real data and use statistical programming languages R and Biogeme. Students get extensive training and feedback in formulating, estimating and interpreting regression and discrete choice models to analyze and forecast mobility decisions. *Course is an elective in the Transportation and Logistics minor, and McC Data Science Minor.*
- CEE473 **Survey methods, data and analysis**, [1 credit] Spring Q. 2015 (12 students); Spring Q. 2016 (6 students); Spring 2017 (6 students); Spring 2018 (6 students); Spring 2019 (4 students); Spring 2021 (4 students), Northwestern.  
The course focuses on the theories and scientific debates around the design, administration and analysis of various types of behavioral data. Topics include: experimental design; theories and techniques of sampling; methods and modes of survey implementation; types of information (revealed, stated or retrospective) collected; constructing psychological measurement scales for latent variable measurement; attitude and latent construct modelling; academic writing and scholarly communication. Students design their own survey step-by step, and analyze the data to shed light on their research question. Techniques of data-exploration, Exploratory/Confirmatory Factor modeling, construct validation, ANOVA is taught in hands-on sessions, using R software
- CEE517 **Graduate Seminar in Transportation Engineering**, [1 credit] Winter 2020; Fall-Winter-Spring 2019; F-W-S 2018; F-W-S 2017; F-W-S 2016; F-W-S 2015 (around 15 students), Northwestern.  
Since 2015 I plan and organize the graduate student seminar series in transportation with visiting scholars presenting on demand/behavior, optimization, policy, simulation and passenger/logistics operations. Since 2016 I increased the emphasis on students interacting with visiting scholars.

### Other Teaching Activities

- Northwestern **Single Lectures**, 2014–2022 Contributed lectures to 479-0 'Transportation Systems Planning and Management (Joe Schofer) || 195-0 'Introduction to Civil and Environmental Engineering (David Corr; Kimberly Gray) || GE 195-1: Engineering Dialog I (Leonard) || Data as art - Interdisciplinary course taught with the School of Art Institute of Chicago, SAIC || Responsible Conduct of Research' (RCR) Training, Northwestern.
- EPFL **Lecturer**, *Decision-aid methodologies in transportation [4ects]* (2013), EPFL - Switzerland.  
Taught 50% of MSc level class on demand travel demand modeling and application (Coordination and Teaching 6 lectures, Student examination)
- EPFL **Lecturer**, *Mathematical modeling of behavior [4ects]* (2012; 2013), EPFL - Switzerland.  
Taught 50% of MSc level class on discrete choice mathematical modelling and estimation of travel demand (Coordination and Teaching 5 lectures, Coordinate and teach laboratory sessions, Student examination)
- Roma Tre **Lecturer**, *Research and interview methodologies for applied research [3ects]*, Roma Tre University, Italy.  
Course design and 50% of teaching, co-taught with Eva Valeri

## Editorial Activity

### Journal Editorial Duties

- Academic Editor for the **Journal of Advanced Transportation**

### Guest-editor of the Special Issues

- Transportation System Analysis for Better Policy-Making, **Transportation** (with J. Ban and Y. Nie)
- Emerging Urban Mobility Services: Characterization, Modeling and Application, **Transportation Research Part C: Emerging Technologies**, (with M. Nie, J. Lin))
- Transforming mobility with sharing, connectivity and automation, **Transportation** (with Ipek Sener)
- Measuring Service Quality and Local Public Transport Performance, **International Journal of Sustainable Transportation**, scheduled as Vol. 8(1), 2014, (with E. Marcucci), published online
- Quality, regulation and environmental sustainability in public transport investment, **International Journal of Transport Economics**, Vol. 34(1), 2013 (with E. Marcucci)



## Advising and Mentoring

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### PhD Graduates, Sole Advisor

- Aymeric Punel, 'Evaluating the Performance of a Crowdsourced Delivery System: Sender Behavior, Agent interaction and Network variables', graduated in spring 2019. Civil and Environmental Engineering Current position: Senior Data Scientist at the Boston Consulting Group
- Alec Biehl, 'Scales, Segments, and Neighborhoods of Change: An Investigation of Active Mobility Adoption', graduated in spring 2019, Civil and Environmental Engineering. Current position: Senior Performance Analyst MARTA (Metropolitan Atlanta Rapid Transit Authority)
- Jason Soria, dissertation: 'Care to Share? Investigating Mobility-on-Demand and Other Shared Modes with Big Data and Surveys', Ph.D defense 2022. Recognition: Awarded US Department of Transportation Federal Highway Administration fellowship. Current position: Postdoctoral Researcher At Georgia Tech University
- Elisa Borowski, dissertation "Accessing Crowdsourced, Social, and Shared Resources: Behavioral Research for Disruption Mobility and Equitable Policymaking", Ph.D completed in Fall 2022. Recognition: Awarded National Defense Science and Engineering Graduate fellowship, Current position: Assistant Professor at UC Irvine
- Maher Said, dissertation "Modeling the effect of major disruptors in delivery and passenger mobility systems" Ph.D defense 2023. Recognition: Winner of Supply Chain Data Analytics Competition, Loyola 2020; Awarded the NUTC dissertation year fellowship; Awarded Buffet global scholar fellowship Current position: Data Scientist at Wisk

### Current PhD Advisees, as Sole Advisor

- Gretchen Bella, dissertation working title: 'tbd', Ph.D expected in 2024./2025
- Spencer Aeschliman, dissertation on Behavior dynamics and pattern identification in evolving transportation systems, Awarded the NSF GRPF in 2023, Ph.D expected in 2024/2025.
- Deirdre Edwards, ESAM/JD program; dissertation working title: 'tbd', Ph.D expected in 2025
- Chi-Ya Chou, dissertation on resilience and relocation behavior analysis, Ph.D expected in 2025/2026

### PhD Student Committee Member, Northwestern

- Hoseb Abkarian, Ph.D expected 2023: Supervisor: Mahmassani
- Divyakant Tahlyan, Ph.D concluded 2023: Supervisor: Mahmassani
- Vivien Rivera, Ph.D expected 2023: Supervisor: Packman
- Jingyuan Bao, Ph.D degree concluded 2021: Supervisor: Durango-Cohen
- Fiorella Mete, 'Statistical methods for the long-term monitoring of bridge performance', Ph.D concluded 2018: Supervisor: Durango-Cohen/Corr
- Lama Bou Mjahed, 'Cohort Effects and Technology Engagement in Connected User's Sustainable Activity and Travel Behavior', Ph.D concluded 2017, Supervisor: Mahmassani
- John Miller, 'Smart Crowd-sourced Freight: Integrating System Optimum and User Equilibrium for the Time-Dependent Probabilistic Profitable Tour Problem', Ph.D concluded in 2017: Supervisor: Nie

### PhD Student Committee Member, External

- External Examiner at PhD Defence, Saeed Shakib, Department of Civil & Mineral Engineering, University of Toronto

### Postdoctoral mentoring

- A. Ermagun (2018-2019)

### Student Supervision – Northwestern MA paper/theses

- Erik Huang, NU Civil Engineering, MS Thesis 'Deconstructing the Meaning of Transportation Equity: A Foundational Application of Distributive Justice Theory in a Case Study of Transit Equity in Chicago, IL', Winter Q. 2024
- Jessica Paz, NU Civil Engineering, MS Thesis 'Building the case for wilderness accessibility from major urban areas.', Spring Q. 2023
- Yuxin Sun, NU Civil Engineering, MS Thesis 'Travel time variability in urban mobility: An exploration of urban transportation system reliability performance in Dallas Area.', Spring Q. 2023
- Kenjana Aulia, NU Civil Engineering, MS Thesis 'Understanding the Factors Affecting Women in Traveling on the Women-Only Car in Indonesia.', Spring Q. 2022
- Manan Shah, NU Civil Engineering, MS Thesis 'Factors Impacting Use of Bikes and Bike-Sharing.', Fall Q. 2017
- Mu-Huan Miles Chung, NU Civil Engineering, MS Thesis 'Stated Adoption of Autonomous Vehicles: A study of influential factors.', Fall Q. 2017
- Yi Gu, NU Civil Engineering, MS Thesis 'Pedestrian Risky Crossing Behavior: An Application of the Theory of Planned Behavior.', Fall Q. 2017
- Wenyang Gu, NU Civil Engineering, MS paper 'Attitudinal market segmentation for transit riders', Winter Q. 2017
- Veronica Saeger, NU Mechanical Engineering, MS Thesis 'Understanding Customer Preference to Product Features in Engineering Design', Spring Q. 2016
- Erik Jensen, NU Civil Engineering, MS paper 'Application of Edie's Definitions to Bicycle Traffic Flow', Spring Q. 2016

- Hong Liang, NU Civil Engineering, MS paper 'US Transit Ridership Trends?', Spring Q. 2016
- Tanus Nipastpong, NU Civil Engineering, MS paper 'Financial and Economic Analysis of High-Speed Rail', Spring Q. 2016
- Siyi Liu, NU Civil Engineering, MS paper 'Positive Train Control on Metra?', Spring Q. 2016
- Susheel Kumar Siram, NU Civil Engineering, MS paper 'Should we electrify our buses?', Winter Q. 2015
- Ariane Bernard de Saint Affrique, NU Civil Engineering, MS paper 'Synthesis of Experience - BRT's implementation and success in developing countries', Spring Q. 2015
- Kayla Spitzer, NU Civil Engineering, MS paper 'The Expansion of Heathrow Airport', Spring Q. 2015

### **Student Supervision – Northwestern Undergraduate advising and research fellowships**

- Hector Ontiveros Morales, Research credit, Spring 2023
- AJ Anderson, NU Civil Engineering, NUTC Greenbriar Fellow 'Analysis of transit access and inequity', Summer 2021
- Victor Limontitla, NU Civil Engineering, NUTC Greenbriar Fellow 'Social Effects of Social Distancing', Summer 2020
- Taylor Miyamoto-Kim, NU Mechanical Engineering, NUTC Greenbriar Fellow 'Views on Autonomous and Alternative Delivery Solutions', Summer 2020
- Garrett Lee, NU Industrial Engineering, 'Integrating Ridesharing and Rail Transit' Summer 2019

### **Capstone examiner for Northwestern Master of Project Management (MPM)**

- Yaheng Wang, report 'A Risk Assessment Study of Railway Construction in China', Fall Q. 2016
- Ehron Nygard, report 'Fighting the Unsustainable Growth Curve: Urban Sprawl in Minneapolis, MN, and Methods for Trend Reversal', Spring Q. 2016
- Chun Jin, report 'Transforming an Underground Business Street into a Public Parking Lot in Harbin, China', 2015
- Mengyang Zhang, report 2015 'The Application of Transit-Oriented Development in Mainland China', 2015

### **Student Supervision – Master/Bachelor theses (EPFL)**

- Billal Mahoubi, EPFL Civil Engineering, 'Exploring approaches to model financial decisions', Autumn term 2013
- Silvia Francesca Varotto, EPFL Civil Engineering 'Modelling travel time perception in transport mode choice for a university campus' with & University of Trieste, MA thesis (delivered dec. 2013), Autumn term 2013, Co-sup. with A. Glerum
- Nicholas Alan Molyneaux, EPFL Mathematics, 'Movement patterns of pedestrians on platforms', BA thesis, Spring term 2013, Co-sup. with F. Hanseler

### **Student Supervision – Semester Projects (EPFL)**

- Quentin Mazars-Simon, System and Com., 'Schedule-based estimation of pedestrian travel demand within a quasi-uncongested railway station', Autumn term 2013, Co-sup. with F. Hanseler
- Billal Mahoubi, Civil Engineering, 'Modelling the demand for financial products', Autumn term 2013
- Natalie Sauerwald, Mathematics, 'Modelling car ownership duration', Spring term 2013, Co-sup. with A. Glerum
- Lea Kissling, Mathematics, 'Enhancement of Naville's Press Delivery Regulation Tool: An Exploratory Analysis', Spring term 2013, Co-sup. with E. Kazagli
- Areg Gevorgyan, Manag. Technology, 'Modelling the choice of vehicle in an extended framework', Autumn term 2012

## **Academic Service**

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### **Department Service**

- Academic advisor for the Undergraduate degree in Civil Engineering (12-15 students) (2022 – ongoing)
- Head of Social Equity and Racial Justice Committee (2020– 2022)
- Department of Civil and Environmental Engineering: Department curriculum renewal committee (2018-2019)
- Strategic Planning Committee (2018-2019)
- Space planning committee (2017)
- Graduate Student Admissions (2015–cont)
- CEE representative on the Committee for adding a concentration in data science (2020–ongoing)

### **McCormick Engineering and University Service**

- Data Science & Engineering Minor Executive Committee, CEE representative (2022-ongoing)
- Evaluator for Alumnae Foundation Curriculum award (2023)
- Ad-Hoc committee for tenure in Weinberg (2023)
- McCormick School of Engineering: CEE representative on Social Equity and Racial Justice Committee (2020– 2022)
- Academic coordinator of the Northwestern Transportation Center academic seminar series (2015– 2022)
- Northwestern University: Finite Earth-Networking luncheon series (2018 – 2022)
- Organizing committee for the Sustainable Urban Systems Workshop SUSPIRE at Center for Engineering Sustainability and Resilience (2019– ongoing)
- SustainNU Transportation Group (2018-2019)

**Academic seminar coordination and planning**

- Organizer of the Northwestern Transportation Center academic seminar series (2015-ongoing) [Link to webpage](#)

**Evaluator of Graduate student grants**

- NUTC dissertation year fellowship committee (2016)
- External examiner for David Boyce Graduate Awards Competition at UIC (2016, 2017)

**Reviewer for Journals (n=76)**

- Transportation (10)
- Transportation Research Part A: Policy and Practice (7)
- Transportation Research Part E: Logistics and Transportation Review (6)
- Journal of Choice Modeling (6)
- Transport Policy (6)
- Travel Behaviour and Society (6)
- Journal of Transport Geography (5)
- Transportmetrica A: Transport Science (4)
- Transportation Research Part C: Emerging Technologies (4)
- Transportation Research Part B: Methodological (3)
- European Transport (3)
- Transportation Science (2)
- PLOS ONE (2)
- International Journal of Sustainable Transportation (2)
- Psychological Reports (1)
- Networks and Spatial Economics (1)
- Transportation Research Part D: Transport and Environment (1)
- Research in Transportation Economics (1)
- International Journal of Transport Economics (1)
- Research in Transportation Business & Management (1)
- European Journal of Transport and Infrastructure Research (1)
- Urban Studies Research (1)
- Italian Journal of Regional Economics (1)

**Reviewer for Conferences**

- Transportation Research Board annual conference (TRB) – Review Coordinator 2015-2019
- International Choice Modelling Conference (ICMC)
- Symposium of the European Association of Research in Transport (hEART)
- International Symposium on Transportation and Traffic Theory (ISTTT)

**Evaluator of Research Grant Proposals**

- National Science Foundation, Panel reviewer for Civil Infrastructure Systems, (CIS-Engineering), USA
- National Science Foundation, Ad-Hoc evaluator for Decision, Risk, and Management Sciences (DRMS), USA

**Grant preparation**

- PI/CO-PI of proposals for the American Science Foundation (NSF, NSF:BIC, DRMS, CRISP), Department of Energy (ARPA-e), Department of Transportation, FHWA, NCFRP
- Co-author of EU 7th Framework Program, EU COST proposal, & Swiss National Science Foundation (SNSF)
- Co-author of proposals for various calls of the Italian Ministry of Education, Universities and Research: "Research projects of significant national interest" (PRIN) and "Basic research investment fund" (FIRB)
- Author of numerous industrial partner collaboration proposals

## Scientific Conferences

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**Organizer of the scientific conferences**

- Annual meeting of the Italian Society of Transport Economists, Rome, Italy, Jun. 17-18, 2010 (140 participants, organizing committee).
- Nectar Cluster 2 meeting on 'Quality, regulation and environmental sustainability in public transport', Rome, Italy, Oct. 22-25, 2010 (15 participants, local organizing committee).

**Workshop organizer in scientific conferences**

- Serving on organizing committee for the Institute for Pure and Applied Mathematics (IPAM) situated on the UCLA campus and participate as a speaker in the workshop Mathematical Foundations for Equity in Transportation Systems, UCLA January 22 – 26, 2024
- IATBR Annual International Association of Travel Behavior Research: Workshop on Automation, Santa-Barbara 2018, co-organized with Yoram Shiftan.
- IATBR Annual International Association of Travel Behavior Research: Workshop on Innovation Adoption Modeling, York UK 2015, co-organized with Cinzia Cirillo.

**Member of the International Program Committee for the conferences**

- 1st European Symposium on Quantitative Methods in Transportation Systems (LATSIS), Lausanne, Switzerland, Sep. 4-8, 2012.

**Chair in the conferences**

- Transportation Research Board (TRB), Presiding officer of lectern sessions in 2017, 2016, e.g. session 265 'Modeling the Demand for New Mobility Concepts and Services'
- International Choice Modelling Conference (ICMC), Chaired Session: I-C(3), Oulton, UK, Jul. 4, 2011.
- World Conference on Transport Research (WCTR), Chaired Session: D3.15 Travel Behaviour, Lisbon, Portugal, Jul. 15, 2010.

## Languages

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- Swedish, Fluent (mother tongue)
- English, Fluent
- Italian, Fluent
- French, Intermediate: A2/B1
- Greek, Elementary

March 13, 2024