

GIOVANNI CIRCELLA, Ph.D.
Research Engineer, Department of Civil and Environmental Engineering
Georgia Institute of Technology
44 Peachtree Place, #1022, Atlanta, GA 30309
+1 (530) 554-0838 (phone)
e-mail: giovanni.circella@ce.gatech.edu

EDUCATION

- Politecnico di Bari (Technical Univ. of Bari, Italy), Ph.D. in Infrastructure Engineering and Transportation Planning (2008)
 - Specializations:** land use transportation modeling, transportation planning, environmental economics, policies for sustainable transportation
 - Dissertation:** *Integrated Land Use and Transportation Planning for Sustainable Transport Solutions*
- University of California, Davis, M.S. in Agricultural and Resource Economics (2009)
- Politecnico di Bari (Technical Univ. of Bari, Italy), Italian Laurea (B.S.+M.S.) Degree (*summa cum laude*) in Civil Engineering (2004)

PRESENT POSITION

- **Research Engineer, School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA (November 2013 - present)**

Research activities on discrete choice modeling, travel demand modeling, land use and transportation modeling, ICT and travel behavior, sustainable transportation.
Main research interests and responsibilities (including ongoing activities at UC Davis):

 - Principal Investigator for research projects on:
 - Mobility of millennials (the “Generation Y”, i.e. young adults 18-30) in California and other U.S. States
 - Future passenger travel demand (and eventual “Car Peak”) in the United States
 - Evaluation of life-cycle greenhouse gas emissions in the Los Angeles County
 - Energy consumption for building operations in the Los Angeles County
 - Impact of land use policies and Sustainable Community Strategies (SCSs) on travel behavior using the CSTDM modeling framework
 - Development of the California Statewide Travel Demand Model (CSTDM)
 - Development of the statewide integrated land use/transportation model California PECAS
 - Project management for the development of the San Joaquin Valley Interregional Travel Model (SJVITM)
 - Development of public transportation model in the CSTDM Framework
 - Application of discrete choice modeling, structural equations modeling and econometric methodologies to travel behavior research
 - Research activities on travelers’ choice behavior, and the impacts of personal attitudes and preferences on residential location and travel behavior
 - Research activities on the impact of e-shopping, multitasking and information communication technologies (ICTs) on travel behavior
 - Development of Policy Briefs on impact of transportation and land use policies on travel behavior
 - Policy evaluation for land use and transportation
 - Grant writing for research project proposals
 - Supervisor of graduate student researchers
- **Post-Doctoral Researcher, Urban Land Use and Transportation Center (ULTRANS) Institute of Transportation Studies, University of California, Davis (*reduced to 25% part-time appointment starting in November 2013*)**

RESEARCH EXPERIENCE

- **Travelers' Attitudes and Travel Behavior Analysis:** survey design, data collection and analysis of travel behavior, impact of personal preferences and attitudes, relationships between land use and transportation, residential location "self-selection", impact of ICT and multitasking, and the mobility of young adults, using factors analysis, cluster analysis, discrete choice models, regression models and structural equations models.
- **Travel Demand Modeling:** development of California Statewide Travel Demand Model (CSTDM) for the California Dept. of Transportation; simulation of future transportation scenarios for California High Speed Rail Authority; project manager for the San Joaquin Valley Interregional Travel Model.
- **Land Use/Transportation Modeling:** development of the land use and transportation model MARS-Bari; analysis of synergies in the evaluation of transportation policies in MARS modeling framework; development of the California Statewide Integrated Model (CalSIM)/PECAS.
- **Energy Consumption and Greenhouse Gas (GHG) Emissions:** experience with pollutant emission model component in MARS-Bari; modeling activities to assess GHG emissions and energy consumption from land use activities with integration of lifecycle assessment and spatial economic modeling; analysis of "big data" on energy consumption for building operations.
- **Discrete Choice Modeling:** estimation of discrete choice models for analysis of the impact of attitudes and preferences, land use, ICT and activities conducted while traveling on travel behavior; integration of Prospect Theory and Fuzzy Theory in discrete choice modeling to model travel behavior under conditions of uncertainty and risk, and users' perception of transit attributes.
- **Policies for Sustainable Transportation:** research activities on the development of policies to increase environmental quality and support healthier communities in cities and regions; application of modeling approaches to forecast the impacts of transportation and land use policies in California's Sustainable Community Strategies.
- **Information Communication Technology and Travel Behavior:** impact of e-shopping on travel behavior; substitution vs. complementarity of online shopping and physical trips to shops; impact of "multitasking" and "polychronic attitudes" on travelers' behavior; impact of portable electronic devices and availability of internet connection on travel behavior, work with Capitol Corridor/Amtrak California on the impact of Wi-Fi services on train ridership in Northern California.

TEACHING INTERESTS

- Discrete Choice Modeling
- Travel Survey Methods
- Transportation Planning and Policies
- Travel Demand Modeling
- Urban Economics
- Land Use and Transportation Modeling
- Environmental Economics
- Smart Growth and Environmental Sustainability

GRANT WRITING AND FUNDRAISING ACTIVITIES

- Principal Investigator, Sustainable Transportation Energy Pathways (STEPS) Program, Research Grant “Generation Y: An Investigation of Mobility Patterns and Vehicle-Related Aspirations of Millennials”, 2015, \$19,139.
- Co-Principal Investigator, National Cooperative Highway Research Program (NCHRP), Research Project “Bicyclist Facility Preferences and Effects on Increasing Bicycle Trips”, 2015-2017, \$350,000.
- Principal Investigator, National Center for Sustainable Transportation, Faculty Research Grant “The Role of Environmental Concerns, Lifestyles, Mobility-Related Attitudes and Peers’ Influence in Affecting Travel Behavior and Aspirations Towards the Purchase of Private Vehicles of Young Adults in California”, 2014-2015, \$92,070.
- Principal Investigator, National Center for Sustainable Transportation, project grant to prepare a National Center white paper on the “Future Passenger Travel Demand in the United States”, 2014-2015, \$26,360.
- Principal Investigator, California Energy Commission, PIER project grant for the estimation of life-cycle energy consumption and greenhouse gas emissions in the Los Angeles County (subcontract from the University of California Los Angeles), 2012-2014, \$200,000 (*replaced PI Mike McCoy during the development of the project*).
- Principal Investigator, University of California Transportation Center (UCTC) Faculty Research Grant for the evaluation of the impact of sustainable community strategies and land use policies on travel behavior using the CSTDM modeling framework, 2012-2013, \$75,000.
- Principal Investigator, Los Angeles County project grant for the evaluation of energy consumption in buildings in Los Angeles County, 2012, \$170,000 (*replaced PI Mike McCoy during the development of the project*).
- Experience with grant writing and communication with funding agencies on several other projects.
- Capitol Corridor/AMTRAK California, project grant for the estimation of the impact on travel behavior induced by on-board WiFi service availability, 2011-2012.
- European Commission, Youth in Action Program, education project for summer course on the role of youth in promoting environmental sustainability, 2011, €21,000.

MENTORING ACTIVITIES

- Andrew McFadden, M.S. in Transportation Technology and Policy, University of California, Davis: M.S. Committee Member and Major Advisor, M.S. Thesis, March 2014.

PROFESSIONAL AND ACADEMIC APPOINTMENTS

- Research Faculty Senate, Georgia Institute of Technology, Representative of the Research Faculty Members of the School of Civil and Environmental Engineering, since 2014.
- Member of the Expert Panel, U.S. National Academy of Science, National Cooperative Highway Research Program (NCHRP) 20-102: Impacts of Connected and Automated Vehicles on State and Local Transportation Agencies, since 2014.
- Member, ABE50 Committee on Transportation Demand Management of the Transportation Research Board (TRB), since 2014.
- Member, ADA10 Committee on Statewide Multimodal Transportation Planning of the Transportation Research Board (TRB), since 2011.

- Member, ADB20 Committee on Transportation and Information Communication Technologies (ICT) of the Transportation Research Board (TRB), since 2010.
- Member of Proposing Team, U.S. National Academy of Science, National Cooperative Highway Research Program Proposal, Project 08-94, “Establishing Application and Policy Sensitivity in Travel Demand Models”.
- Reviewer, PacTrans USDOT University Transportation Center (Region 10), three research proposals for FY 2013-2014.
- Responsible for Agenda Development and Member of the Organizing Committee of the International Conference on Sustainable Transportation, Washington DC, May 2015.
- Member, Program Committee of the Computer in Urban Planning and Urban Management (CUPUM) Conference in Lake Louise, Canada, July 2011.
- Member, Local Organizing Committee of the European Working Group on Transportation Conference in Bari, Italy, September 2006.
- Chair, Session 263 “Advanced Vehicle Technology: Vehicle Choice and Travel Behavior”, 94th Transportation Research Board Meeting, Washington D.C., U.S.A., January 2015.
- Chair, Session 791 “Information and Communication Technologies, New Data, and New Behavioral Patterns”, 92nd Transportation Research Board Meeting, Washington D.C., U.S.A., January 2013.
- Member, World Society for Transport and Land Use Research, since 2015.
- Licensed Professional Engineer, Italy, with #7374 in the Chapter of Bari, since 2004.

RELEVANT WORK AND STUDY EXPERIENCE

- Research Engineer, School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA, 2013 - present.
- Post-Doc Researcher, Urban Land Use and Transportation Center (ULTRANS) and Sustainable Transportation Center (STC), University of California, Davis, 2009 - present.
- Research Consultant, ECOURB Project, Dept. of Architecture and Planning, Politecnico di Bari (Technical Univ. of Bari), Italy, 2010 - 2013.
- President, Polling Station for 2011 Italian Political Elections, Bari (Italy), 2011.
- Delegate of European Youth Forum at UN Conference on Sustainable Development Rio+20, Rio de Janeiro, Brazil, 2012.
- Delegate of European Youth Forum at UN Conference on Climate Change, Cancun, Mexico, 2010.
- Graduate Student Researcher, Sustainable Transportation Center, UC Davis, 2008-2009.
- Visiting Researcher, Technische Universität Wien (Technical Univ. of Vienna), Austria, 2007-2008.
- Fulbright Scholar, Visiting Researcher, Institute of Transportation Studies, UC Davis, 2006-2007.
- Research Assistant, Institute of Transportation Studies, UC Davis, 2007.
- Research Intern, California Dept. Transportation, Office of Travel Forecasting and Modeling, Sacramento, CA, 2007.
- Graduate Student Researcher, Politecnico di Bari, Italy, 2005-2008.
- Staff Member and Researcher, EU Tempus Project to support transport policy in Albania, 2006.
- Teaching Assistant, Politecnico di Bari, Italy, 2004-2006.
- Graduate Student, Professional Course on Management and Innovations of Building Industry, Associazione di Formazione Manageriale, Rome, and Italian Ministry of Education, 2005.
- Visiting Scholar, Socrates Erasmus Program, Universidad Politécnica de Valencia, Spain, 2003.
- Teaching Assistant, Computer Aided Design Lab, Politecnico di Bari, Italy, 2001.

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

1. Dong, Z., P. L. Mokhtarian, **G. Circella** and J. Allison (2015) "Estimation of Changes in Rail Ridership Through an Onboard Survey: Did Free Wi-Fi Make a Difference to Amtrak's Capitol Corridor Service?", *Transportation*, 42 (1), 123-142.
2. McFadden, A. J., **G. Circella**, B. Haydu and N. J. Linesch (2014) "Impact of Proposed Land Use and Transportation Investments on Future Travel Patterns in California", *Transportation Research Record, Journal of the Transportation Research Board*, 2430, 207-215.
3. Guzman, L. A., D. De La Hoz and **G. Circella** (2014), "Evaluation of Synergies from Transportation Policy Packages Using a Social Welfare Maximization Approach: a Case Study for Madrid, Spain", *Case Studies on Transport Policy*, ISSN 2213-624X, doi: 10.1016/j.cstp.2014.07.004.
4. **Circella G.**, K. Stefan, J. D. Hunt, A. Brownlee and M. McCoy (2014) "Simplified Model of Local Transit Services", *European Journal of Transport and Infrastructure Research*, 14(2), 122-142.
5. Pincetl, S., M. Chester, **G. Circella**, A. Fraser, C. Mini, S. Murphy, J. Reyna and D. Sivaraman (2014) "Enabling Future Sustainability Transitions: An Urban Metabolism Approach to Los Angeles", *Journal of Industrial Ecology*, 18(6), 871-882.
6. **Circella G.**, P. L. Mokhtarian and L. K. Poff (2012) "A Conceptual Typology of Multitasking Behavior and Polychronicity Preferences", *electronic International Journal of Time Use Research*, 9 (1), 59-107.
7. Colonna, P., N. Berloco and **G. Circella** (2012) "The Interaction between Land Use and Transport Planning: A Methodological Issue", *Procedia - Social and Behavioral Sciences*, 53 (0), 84-95.
8. Ye L., P. L. Mokhtarian and **G. Circella** (2012) "Commuter Impacts and Behavior Changes during a Temporary Freeway Closure: The Fix I-5 Project in Sacramento, California", *Transportation Planning and Technology*, 35 (3), 341 – 371.
9. Dell'Orco M., **G. Circella** and D. Sassanelli (2008) "A Hybrid Approach to Combine Fuzziness and Randomness in Travel Choice Prediction", *European Journal of Operational Research*, 185, 2, 648-658.
10. **Circella G.**, M. Binetti and M. Mascia (2004) "The Prospect Theory and the prediction of traveler behaviour", *Urbanistica*, 125, 111-119.

CHAPTERS OF EDITED BOOKS AND OTHER SCIENTIFIC PUBLICATIONS

11. **Circella G.** and P. L. Mokhtarian (*forthcoming*) "Impact of Information Communication Technology on Transportation", Book chapter in *Geography of Urban Transportation*, 4th Edition, edited by Susan Hanson and Genevieve Giuliano, The Guilford Press, New York.
12. **Circella G.** and F. Pagliara (*forthcoming*) "Transportation and Land Use", Book chapter in *Handbook of Transportation*, edited by Dusan Teodorovic, Routledge.
13. **Circella G.** (*forthcoming*) "ICT and Travel Behavior", Book chapter in *Life-Oriented Behavioral Research for Urban Policy*, edited by Junyi Zhang, Springer.
14. **Circella, G.** (2010) "Envisioning Parking Strategies for the Post-Automobile City. The Role of Parking in a Framework for Sustainable Urban Transport". *TeMA Selected Papers*, 3, 29-38.

15. **Circella, G.** (2009) "Envisioning Parking Strategies in the Framework of Sustainable Urban Transport". *TeMA - Trimestrale del Laboratorio Territorio Mobilità Ambiente*, 2 (1): 17-28.
16. Borri D., **G. Circella**, M. Ottomanelli and D. Sassanelli (2006) "Optimization of Choice Modelling in Complex Urban Contexts: Applications in Planning for Sustainable Development", in *Progress in Design and Decision Support Systems*, 51-66, Eindhoven University of Technology Press, Eindhoven, 2006.

PAPERS IN PROGRESS (SUBMITTED, CURRENTLY UNDER REVIEW AND REVISION)

17. **Circella G.**, P. L. Mokhtarian and S. Handy "Land Use, Attitudes, and Travel Behavior Relationships: A Cross-Sectional Structural Equations Model for Northern California" submitted to *Transportation Research Part A (in revision)*.
18. Pike, S., P. L. Mokhtarian and **G. Circella** "The Impact of Land Use Characteristics on Commute Behavior Changes", submitted to *Travel Behavior and Society (under review)*.
19. **Circella, G.**, "Book Review: Albalade, Daniel and Germà Bel, *The Economics and Politics of High-speed Rail: Lessons from Experiences Abroad*, Lexington Books, 2012", submitted to *Transport Policy (under review)*.

PAPERS IN PREPARATION (TO BE SUBMITTED TO PEER-REVIEWED JOURNALS)

20. **Circella, G.**, J. Ramirez Salgado, P. L. Mokhtarian and M. Diana "The Impact of Activities while Traveling on the Subjective Valuation of Travel Time", to be submitted to *Transportation*.
21. Malokin, A., P. L. Mokhtarian and **G. Circella** "How Do Activities Conducted while Commuting Influence Mode Choice? Testing Transit-Advantage and Autonomous-Vehicle Scenarios", to be submitted to *Transportation Research Part A*.
22. Berliner, R., A. Malokin, **G. Circella** and P. L. Mokhtarian "Travel-based Multitasking: Modeling the Propensity to Conduct Activities While Commuting", to be submitted to *Travel Behavior and Society*.
23. **Circella, G.**, R. A. Johnston, A. J. Holguin, E. W. Lehmer, Y. Wang and M. McCoy "Spatial Analysis of Energy Consumption for Buildings Operations in Los Angeles County", to be submitted to *Energy and Buildings*.
24. Deng, H, P. L. Mokhtarian and **G. Circella** "Factors Influencing Full-day, Part-day and Overtime Telecommuting: An Investigation of Northern California Workers", to be submitted to *Transportation*.
25. Berliner, R., E. Guduz, **G. Circella** and L. Fulton "Generation Y: an Investigation of the Mobility of Millennials in the State of California", to be submitted to a scientific journal (*TBD*).
26. **Circella, G.**, F. Alemi, B. Haydu, N. J. Linesch, N. Roth and M. McCoy "Future Trends in Passenger Travel in California in 2020 and 2035", to be submitted to the *Journal of Transport Geography*.
27. Pawlak, J., **G. Circella**, J. Polak, P. L. Mokhtarian, A. Sivakumar "Is there anything exceptional about ICT use while travelling as compared to other contexts? Empirical insights into multitasking patterns and their well-being implications", to be submitted to a scientific journal (*TBD*).
28. **Circella G.** and P. L. Mokhtarian "Online and in-store shopping in advanced ICT-based societies: Substitutes or complements?", to be submitted to *Transportation*.

SELECTED WHITE PAPERS AND TECHNICAL REPORTS

- A. **Circella, G.**, S. Handy and M. Boarnet (2014) “Policy Brief on the Impacts of Employment Density Based on a Review of the Empirical Literature”, Policy Brief prepared for the California Air Resources Board, Sacramento, CA.
- B. **Circella, G.**, S. Handy and M. Boarnet (2014) “Policy Brief on the Impacts of Gas Price Based on a Review of the Empirical Literature”, Policy Brief prepared for the California Air Resources Board, Sacramento, CA.
- C. Handy, S., G. Tal, **G. Circella** and M. Boarnet (2014) “Policy Brief on the Impacts of Network Connectivity Based on a Review of the Empirical Literature”, Policy Brief prepared for the California Air Resources Board, Sacramento, CA.
- D. **Circella, G.**, A. McFadden and F. Alemi (2013) “California Beyond SB 375: Evaluating the Impact of Proposed Land Use and Transportation Plans on Future Travel Patterns and Interregional Travel Behavior”, Final Project Report to the University of California Transportation Center (UCTC). Institute of Transportation Studies, University of California, Davis. Research Report UCTC-FR-2014-06. December 2013, <http://www.uctc.net/research/papers/UCTC-FR-2014-06.pdf>.
- E. **Circella, G.**, R. A. Johnston, A. J. Holguin, E. W. Lehmer, Y. Wang and M. McCoy (University of California Davis Urban Land Use and Transportation Center, 2013) “Updating the PECAS Modeling Framework to Include Energy Use Data for Buildings”. Final Project Report, prepared for the California Energy Commission. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-13-04. February 2013.
- F. Mokhtarian P. L., A. Neufeld, Z. Dong and **G. Circella** (2013) “Did Free Wi-Fi Make a Difference to Amtrak’s Capitol Corridor Service? An Evaluation of the Impact on Riders and Ridership”. Final Project Report, prepared for the Capitol Corridor Joint Powers Authority. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-13-03. February 2013.
- G. **Circella, G.**, A. J. Holguin, R. A. Johnston, E. W. Lehmer, Y. Wang and M. McCoy (2012) “Los Angeles County Building Energy Use and GHG Baseline Assessment”, Final Project Report, prepared for the Los Angeles County. Urban Land Use and Transportation Center, University of California, Davis, December 2012.
- H. Pincetl, S., S. Murphy, P. Bunje, P. Burns, M. Chester, **G. Circella**, J. Ferrell, D. Flaming and M. McCoy (UCLA Institute of the Environment and Sustainability, 2012) “Methodology to Establish Regional Energy Baselines”. California Energy Commission. December 2012. CEC-500-10-033.
- I. Urban Land Use and Transportation Center of the University of California, Davis (2012) “San Joaquin Valley Interregional Travel Model (SJVITM)”. Official Model Documentation, prepared for the California Air Resources Board. Sacramento, CA, June 2012.
- J. Urban Land Use and Transportation Center of the University of California, Davis (2011) “California Statewide Travel Demand Model (CSTDm)”. Official Model Documentation, comprising 18 technical documents, prepared for Caltrans, the California Dept. of Transportation, Office of Statewide Modeling. Sacramento, CA, May 2011.
- K. **Circella, G.** (2008) “Analysis of the Sacramento Regional Travel Simulation Model (SACSIM) - SACOG’s Activity-Based Travel Demand Model”. Report prepared for Caltrans, the California Dept. of Transportation, District 3, Office of Travel Forecasting and Modeling. Sacramento, CA, July 2008.

OTHER PUBLICATIONS AND NON-SCIENTIFIC BOOKS

- L. "Youth's Eye on Sustainability: A guide to Sustainable Development and Results Booklet of Sustaining our Future, AEGEE Flagship Project 2008-2009". Final Report of the Sustaining our Future - AEGEE Flagship Project, available online from http://www.projects.aegee.org/sustaining/fileadmin/user_upload/SuFu_booklet_final.pdf

PAPERS PRESENTED AT SCIENTIFIC CONFERENCES

1. Malokin, A., P. L. Mokhtarian and **G. Circella** "Does Travel-based Multitasking Influence Commute Mode Choice? An Investigation of Northern California Commuters", accepted for presentation at the 4th International Choice Modeling Conference (ICMC), Austin, Texas, U.S.A., May 10-13, 2015.
2. Malokin, A., P. L. Mokhtarian and **G. Circella** "How Do Activities Conducted while Commuting Influence Mode Choice? Testing Transit-Advantage and Autonomous-Vehicle Scenarios", 94th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 11-15, 2015.
3. Berliner, R., A. Malokin, **G. Circella** and P. L. Mokhtarian "Travel-based Multitasking: Modeling the Propensity to Conduct Activities While Commuting", 94th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 11-15, 2015.
4. Deng, H, P. L. Mokhtarian and **G. Circella** "Factors Influencing Full-day, Part-day and Overtime Telecommuting: An Investigation of Northern California Workers", 94th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 11-15, 2015.
5. **Circella, G.**, J. Ramirez Salgado, P. L. Mokhtarian and M. Diana "The Impact of Activities while Traveling on the Subjective Valuation of Travel Time", 3rd International hEART conference, Leeds, U.K., September 10-12, 2014.
6. McFadden, A. J., **G. Circella**, B. Haydu and N. J. Linesch "California Beyond SB 375: Evaluating the Impact of Proposed Land Use and Transportation Investments on Future Travel Patterns and Interregional Travel Behavior", 93rd TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 12-16, 2014.
7. Rodier, C. J., B. Haydu, N. J. Linesch, F. Alemi and **G. Circella** "Synergistic Effects of Transit, Land Use, and Vehicle Pricing Policies on Vehicle Miles Traveled: Case Study with California Activity-Based Travel Demand Model", 93rd TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 12-16, 2014.
8. Mokhtarian, P. L., **G. Circella** and L. Poff "The Implications of Travel-Based Multitasking for Modeling and Policy: A Conceptual Exploration and Some Survey Findings", 18th International Conference of Hong Kong Society for Transportation Studies, Hong Kong, December 14-16, 2013.
9. Mokhtarian, P. L., A. Malokin and **G. Circella** "The Impact on Mode Choice of Activities Conducted while Traveling: an Investigation of Northern California Commuters", 18th International Conference of Hong Kong Society for Transportation Studies, Hong Kong, December 14-16, 2013.
10. Guzman, L. A., D. De La Hoz and **G. Circella**, "Evaluation of Synergies from Transport Policy Packages Using a Social Welfare Maximization Approach", 2013 World Conference on Transport Research, Rio De Janeiro, Brazil, July 15-18, 2013.
11. Dong, Z., P. L. Mokhtarian and **G. Circella** "Estimation of Changes in Rail Ridership Through Onboard Survey: Did Free Wi-Fi Make a Difference to Amtrak's Capitol Corridor Service?", 92nd TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 13-17, 2013.

12. **Circella, G.**, N. Linesch, A. T. Brownlee, K. J. Stefan and J. D. Hunt “The Use of Traffic Count Databases in the Validation Process of the California Statewide Travel Demand Model”, Computer in Urban Planning and Urban Management - CUPUM 2011, Lake Louise, AB, Canada, July 5-8, 2011.
13. **Circella, G.**, J. Abraham, N. Roth, A. R. Muhsen and R. Johnston “The Estimation of Construction Costs in the Statewide California PECAS”, Computer in Urban Planning and Urban Management - CUPUM 2011, Lake Louise, AB, Canada, July 5-8, 2011.
14. **Circella, G.**, J. D. Hunt, K. J. Stefan, A. T. Brownlee and M. McCoy “Simplified Model of Local Transit Services”, 90th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 23-27, 2011.
15. **Circella G.** and P. L. Mokhtarian “Online and in-store shopping in advanced ICT-based societies: Substitutes or complements?”, 1st Transatlantic NECTAR Conference, Arlington, VA, USA, June 18-20, 2009.
16. **Circella G.** and P. Pfaffenbichler, “Integrated Land Use and Transportation Modelling and the Implementation of Policies for Sustainable Mobility: MARS-Bari”, 1st Transatlantic NECTAR Conference, Arlington, VA, USA, June 18-20, 2009.
17. Pfaffenbichler, P. and **G. Circella** “The role of motorcycles in an energy efficient transport system”, ECEEE 2009 Summer Meeting, La Colle sur Loup, Côte d'Azur (France), June 1-6, 2009.
18. **Circella G.**, P. L. Mokhtarian and S. Handy “Land Use, Attitudes, and Travel Behavior Relationships: A Cross-Sectional Structural Equations Model for Northern California”, 87th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 13-17, 2008.
19. Mokhtarian P. L. and **G. Circella** “The Role of Social Factors in Store and Internet Purchase Frequencies of Clothing/Shoes”, International Workshop on Frontiers in Transportation: Social Interactions, Amsterdam, the Netherlands, October 14-16, 2007.
20. **Circella G.** “Maritime Transport and Technological Innovations: Decision Processes for the Upgrade of Seaport Infrastructures”, Computers in Urban Planning and Urban Management - CUPUM 2007, Iguazu Falls, Brazil, July 11-13, 2007.
21. Borri D., **G. Circella** and D. Sassanelli “Integrated Scenario Building and LUTI Modelling for Sustainable Transportation in Urban Networks”, Computers in Urban Planning and Urban Management - CUPUM 2007, Iguazu Falls, Brazil, July 11-13, 2007.
22. **Circella G.** “Sustainable Transport Solutions in Urban Networks: Perspectives from a Land Use Transport Interaction Approach”, UCTC 2007 – University of California Transportation Centers Conference, Los Angeles, CA, USA, February 15-17, 2007.
23. Barletta G. L., D. Borri, D. Camarda, **G. Circella** and M. Patano “Tecnologie di Localizzazione Intelligente nella Pianificazione Spaziale e dei Trasporti”, XXVII Italian Conference of Regional Sciences AISRe, Pisa, Italy, October 12-14, 2006.
24. **Circella G.** “Towards the Adoption of Technological Innovations: Decision Processes in Transport Policy Definition”, ERSA 2006 – European Regional Science Association Conference, Volos, Greece, August 30 – September 3, 2006.
25. Barletta G. L., D. Borri, D. Camarda and **G. Circella** “Smart Technologies for Environmental Safety and Knowledge Enhancement in Intermodal Transport”, ERSA 2006 – European Regional Science Association Conference, Volos, Greece, August 30 – September 3, 2006.

26. Barletta G. L., D. Borri, D. Camarda and **G. Circella** "Utilizzo della Tecnologia RFID nell'Analisi di Flussi Economici di Filiera", XXVI Italian Conference of Regional Sciences AISRe, Naples, Italy, October 17-19, 2005 (*Paper in Italian*).
27. **Circella G.**, M. Dell'Orco and D. Sassanelli "Uncertainty in Choice Behaviour Prediction: a Hybrid Approach to Combine Fuzziness and Randomness", European Transport Conference - ETC 2005, Strasbourg, France, October 3-5, 2005.
28. Borri D. and **G. Circella** "A Cumulative Prospect Theory Approach to Traveller Behaviour Prediction", III International SIIV Congress – People, Land, Environment and Transport Infrastructures, Bari, Italy, September 22-24, 2005.
29. Binetti M., D. Borri, **G. Circella** and M. Mascia "Does Prospect Theory Improve Understanding of Transit User Behaviour?", Computers in Urban Planning and Urban Management - CUPUM 2005, London, June 29 – July 1, 2005.

POSTERS IN SCIENTIFIC CONFERENCES

30. Linesch, N., **G. Circella**, and A. T. Brownlee "Setting Up Validation Data Targets for Assessing Interregional Travel: Lessons Learned about VMT Trends in California", Computer in Urban Planning and Urban Management - CUPUM 2011, Lake Louise, AB, Canada, July 5-8, 2011.
31. **Circella G.**, P. L. Mokhtarian and L. K. Poff "A Conceptual Typology of Multitasking Behavior and Polychronicity Preferences", 90th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 23-27, 2011.
32. **Circella G.** "The Evaluation of Scenarios for Environmental Sustainability through an Integrated Land Use and Transportation Modeling Approach", Fulbright Academy of Science and Technology (FAST) Annual Meeting, San Francisco, CA, U.S.A., March 11-14, 2010.
33. **Circella G.** and P. L. Mokhtarian "Complementarity or Substitution of Online and In-Store Shopping: An Empirical Analysis from Northern California", 89th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 10-14, 2010.
34. Ye L., P. Mokhtarian and **G. Circella**, "Commuter Impacts and Behavior Changes during a Temporary Freeway Closure: The Fix I-5 Project in Sacramento, California", 89th TRB - Transportation Research Board Meeting, Washington D.C., U.S.A., January 10-14, 2010.
35. **Circella G.** "Integrated Land Use and Transportation Modeling in Metropolitan Areas of Southern Europe: The Use of the Model MARS-Bari", UTC-PATH conference, Los Angeles, CA (USA), November 6-7, 2008.

SELECTED INVITED LECTURES AND SEMINARS

- "Mobility Patterns of Millennials", LinkedIn Campus (presentation to representatives of the computer industries in the Silicon Valley), Palo Alto, CA, November 18, 2014.
- "Impacts of Attitudes, Information Technology and Multitasking on Transportation Mode Choice", Technische Universität München (Germany), November 4, 2014.
- "Integrated Land Use and Transportation Policies: the California Sustainable Community Strategies", Politecnico di Bari (Italy), March 26, 2014.

- “Analysis of Energy Consumption from Residential and Non-Residential Buildings in Los Angeles County”, various presentations for California Center for Sustainable Communities, California Energy Commission, UC Davis Energy Efficiency Center, LADWP, SMUD in 2012 and 2013.
- “Integrated Land Use and Transportation Modeling”, ECOURB Teaching Program, Politecnico di Bari (Italy), November 13, 2012.
- “The California Statewide Travel Demand Model”, Regional Government of Puglia, Bari (Italy), December 19, 2011.
- “The California Statewide Travel Demand Model”, in ECI 251 – Transportation Demand Modeling, University of California, Davis (USA), November 14, 2011.
- “The CALSIM Framework: Integrated Land Use and Transportation Model for the State of California”, University of Naples (Italy), June 9, 2011.
- “Perspectives for Sustainable Mobility: Connectivity of Transportation Services and Networks”, City Hall of Triggiano, Bari (Italy), November 15, 2010.
- “Integrated Land Use and Transportation Models: Overview of Existing Modeling Approaches”, in TTP 289B – Overview of Integrated Land Use /Transportation Modeling, University of California, Davis (USA), November 3, 2010.
- “Opportunities for International Exchanges and Scientific Cooperation in Europe and the USA”, Politecnico di Bari (Italy), October 15, 2010.
- “Synthetic Representation of the Local Transit Model in the California Statewide Travel Demand Model”, ULTRANS Seminar, University of California, Davis (USA), July 26, 2010. Available online at: https://admin.na4.acrobat.com/_a841422360/p12462547/
- “Integrated Land Use and Transportation Modeling and the Evaluation of Scenarios for Environmental Sustainability”, Politecnico di Bari (Italy), April 7, 2010.
- “Integrated Land Use and Transportation Modeling in Metropolitan Areas of Southern Europe: The Model MARS-Bari”, ITS Friday Seminar, University of California, Davis (USA), January 30, 2009. Available online at: <https://breeze.ucdavis.edu/p30269289/>
- “Integrated Land Use and Transportation Planning for Sustainable Transport Solutions”, Politecnico di Bari (Italy), December 16, 2008.

ADDITIONAL SEMINARS FOR NON-PROFIT ORGANIZATIONS

- “Introduction to Sustainable Development”, during the project “A Journey Across Europe Towards a Sustainable Future”, organized by AEGEE-Bari (European Student Forum, Chapter of Bari) and funded by “Youth in Action” EU program, Villanova di Ostuni, Brindisi (Italy), August 28, 2011.
- “Parco Comunale: Un Rondo' Di Troppo. Possibile Alternativa?” (*in Italian*), workshop promoted by the environmental organization Legambiente to discuss future infrastructure projects for Terlizzi, Bari (Italy), June 15, 2011.
- “The European Youth and the Environment: AEGEE-Europe at the United Nations Conference on Climate Change (COP 16), Cancun, Mexico, December 2010”, during the AEGEE-Europe/European Students’ Forum Annual Meeting, Alicante (Spain), April 30, 2011.
- “Introduction to Sustainable Development”, during the project “Danube, let it flow!”, organized by AEGEE - European Student Network under the sponsorship of the “Youth in Action” EU program, Delta of the Danube river, Tulcea (Romania), August 16, 2009.

REVIEWER ACTIVITIES

- European Journal of Operational Research, thirteen papers.
- Transportation, three papers.
- Transportation Research Part A, two papers.
- Journal of Public Transportation, six papers.
- Journal of Transport Geography, one paper.
- Journal of Urban Planning and Development, seven papers.
- Climate Policy, one paper.
- Time and Society, two papers.
- Networks and Spatial Economics, one paper.
- World Conference on Transport Research, 2007, one paper.
- Transportation Research Board 2015 Meeting, thirteen papers.
- Transportation Research Board 2014 Meeting, ten papers.
- Transportation Research Board 2013 Meeting, twelve papers.
- Transportation Research Board 2012 Meeting, four papers.
- Transportation Research Board 2011 Meeting, three papers.
- International Conference on Sustainable Transportation 2015, 19 contributions.
- Computer in Urban Planning and Urban Management CUPUM 2011 Conference, 10 contributions.

ACADEMIC HONORS AND PRIZES

- Fulbright Fellowship for a Research Period in the United States of America, at the University of California, Davis, 2006-2007.
- Research Fellowship, Sustainable Transportation Center, UC-Davis, 2008-2009.
- Research Scholarship, Technical University of Bari, Italy, for a Research Project at the Technische Universität Wien, Austria, 2008.
- Admission to PhD Program (with research scholarship) in Spatial and Urban Planning at the Technical University of Bari (Italy), 2005 – *dropped because I opted for admission to another PhD Program.*
- Research Award, City of Bari, Italy, for the Best Research Thesis, 2006.
- Research Scholarship, Technical University of Bari, Italy for research thesis, 2004.
- Socrates-Erasmus Fellowship for an exchange period of 6 months at the Universidad Politécnica de Valencia (Technical Univ. of Valencia), Spain, 2003.
- Olympic Games of Math and Physics, Qualification to the regional level, 1995, 1996 and 1997.
- Olympic Games of Math, Qualification to the Italian National Final, 1997.

ACTIVITIES FOR NON-PROFIT ORGANIZATIONS

- Main Organizer, educational project “A Journey Across Europe Towards a Sustainable Future”, organized by AEGEE-Bari (European Student Forum, Chapter of Bari) and funded by the European Commission “Youth in Action” program, Villanova di Ostuni, Brindisi (Italy), Aug 27-Sept 4, 2011.
- Vice-President, AEGEE-Bari - Local Chapter of the European Student Network AEGEE, 2009-2013 (Senior Advisor, 2013-present).
- Member, Environmental Working Group of European Student Network AEGEE, since 2008.
- Member, European Student Network AEGEE since 2000.
- Member, World Wildlife Fund (WWF), since 1993.
- Member, Engineers Without Borders - Chapter of Bari, Italy, 2004-2006.
- Teacher of Italian Language, International House, Davis, CA, 2010.

LANGUAGE SKILLS

- Proficient in Italian (*mother-tongue language*), English and Spanish.
- Official certificate of knowledge of English – CAE Certificate in Advanced English, 2004.
- Official certificate of knowledge of English – TOEFL – Test of English as Foreign Language, 2006.
- Official certificate of knowledge of Spanish – D.E.L.E. Diploma de Español como Lengua Extranjera, Instituto Cervantes, 2003.
- Official certificate of knowledge of German – START 1 (*beginner level*), 2006.