

JOSE HOLGUIN-VERAS

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1. EDUCATION

- ◆ Ph. D., University of Texas at Austin, 1996
- ◆ Magister Scientiarum, Universidad Central de Venezuela, 1984
- ◆ Civil Engineer, Magna Cum Laude, Universidad Autónoma de Santo Domingo, 1981

Fellowships, awards, and distinctions

- ◆ Recipient of the CAREER Award from the National Science Foundation (2001).
- ◆ Recipient of a Proclamation from the City Council of New York honoring his research accomplishments and contributions to local communities (April 17, 2001).
- ◆ Recipient of the Milton Pikarsky Memorial Award, 1996 (Council of University Transportation Centers).
- ◆ Recipient of the 2006 Robert E. Kerker Research Award in recognition of Excellence in Research of Special Importance to Practitioners and Scholars of Public Administration and Policy in New York State for his paper entitled “The Truth, the Myths and the Possible in Freight Road Pricing in Congested Urban Areas”.
- ◆ Recipient of the 2006 School of Engineering Research Award, Rensselaer Polytechnic Institute.
- ◆ Recipient of the 2007 University Transportation Research Center Best Paper Award for the paper entitled "An Investigation on the Effectiveness of Joint Receiver-Carrier Policies to Increase Truck Traffic in the Off-peak Hours" (Parts I and II), together with Michael Silas, John Polimeni, and Brenda Cruz.
- ◆ Honorary Professor, Daliang Jiaotong University, August 16, 2010

Fellow of:

- ◆ State Academy for Public Administration, 2006.
- ◆ International Road Federation (IRF), 1991
- ◆ Japanese International Cooperation Agency (JICA), 1989
- ◆ Organization of American States (OAS), 1982-1984
- ◆ Magna Cum Laude (Civil Engineering), Universidad Autónoma de Santo Domingo, 1981
- ◆ Listed in Who's Who in America (since 2001), and Who's Who in Engineering Education (2005)

Editorial Boards, Conference Chairmanship, Leadership Positions

- ◆ President of the newly created Pan-American Society Transportation Research (2010-present)
- ◆ Council of the Association for European Transport (Elected Member) (2005-2011)
- ◆ Vice President of the Pan-American Transportation and Traffic Engineering Conferences (2005-2010)
- ◆ Chairman of the XIII Pan American Conference of Traffic and Transportation Engineering, Crowne Plaza Albany, September 27-29 2004

- ◆ Chairman of the Pan-American Advanced Studies Institute on Transportation Sciences (PASI-TS), Toluca and Queretaro, Mexico July 24-August 7th 2005
- ◆ Member of the Executive Board of the City University of New York's University Transportation Research Center (since 2002).
- ◆ Member of the Advisory Board of the University of Vermont's Transportation Center (since 2006).
- ◆ Member of the Conference Program Committee of the National Urban Freight Conference (February 1st-3rd, 2006, Long Beach California)
- ◆ Member of the Organizing Committee of the 3rd International Conference on City Logistics (Madeira, Portugal 2003)
- ◆ Member of the Organizing Committee of the 4th International Conference on City Logistics (Lankawi, Malaysia 2005)
- ◆ Associate Editor of Transportation for Network and Spatial Economics (2003-present)
- ◆ Associate Editor of Transportation Research Part A: Policy and Practice (since 2008).
- ◆ Chair of the Review Committee (Editor) for the Freight Transportation Planning and Logistics Committee (Transportation Research Board) (2001-2007)

Major public sector (pro-bono) appointments

- ◆ Member of the Federal Emergency Management Agency's Core Group on Community Engagement (June 2011-present)
- ◆ Member of the Review Panel for the Cross-Westchester Expressway project (May 2011-present)
- ◆ Member of the Advisory Panel for the NY-NJ-CT-PA Regional Catastrophic Planning Group (March 2010-present)
- ◆ Member of the Advisory Panel of the Mohawk Corridor Multimodal Transportation Study (2010-present)
- ◆ Member of the Board of the New York State Thruway Authority (2010-present)

2. AREAS OF PROFICIENCY

Humanitarian Logistics

- ◆ He is in charge of one of the largest research groups on humanitarian logistics that specializes in the integration of social science and engineering research, and the integration of field work, characterization, and mathematical modeling of the various aspects of the relief efforts. This group has conducted path breaking field research on Katrina, Haiti, Japan, Joplin and many other disasters.

Freight transportation modeling and economics

- ◆ Recipient of two national awards: (a) the Milton Pikarsky Memorial Award, from the Council of University Transportation Centers (CUTC) in 1996; and (b) the CAREER Award from the National Science Foundation in 2001, for his contributions to intermodal transportation modeling and transportation economics. Leader in the area of freight behavior, and freight demand modeling.

Transportation Planning/Intelligent Transportation Systems

- ◆ Proficient in the use of demand models for policy analysis and transportation system planning. Major role in three national transportation plans and fifteen major urban and regional transportation studies. Highly proficient in the use of advanced modeling

techniques, ranging from Random Utility Models, to Land-Use transportation models, and traditional UTPS approaches, including network applications to transportation problems.

Transportation Economics

- ◆ Strong background in transportation economics, having performed cutting edge research on road pricing (optimal tolls, behavioral responses from both passengers and freight, development of comprehensive policies), the economic evaluation of more than a thousand hundred transportation projects, including land use projects, transit projects, freeways, two suburban and interstate highways, port projects, rail projects, and rural roads. Has conducted advanced research on price differentiation theory and congestion pricing application to container terminals. Has been consultant for the major international companies and international organizations.

Infrastructure Planning

- ◆ Strong background in the areas of: highway design, demand forecasting and economic analysis of urban highways and rural roads. Participated in planning and design of three freeways, two intercity roads, two hundred rural roads, airports, rail and maritime projects in a number of different countries. International consultant in the area of Infrastructure Planning and Modeling. Implemented Pavement Management Systems.

3. EXPERIENCE

Academic

- ◆ William H. Hart Professor (Since July 2010), Rensselaer Polytechnic Institute
- ◆ Professor of Civil and Environmental Engineering (since July 2006), Rensselaer Polytechnic Institute (joint with Decision Sciences and Engineering Systems)
- ◆ Associate Professor of Civil and Environmental Engineering (2002-2006), Rensselaer Polytechnic Institute (joint with Decision Sciences and Engineering Systems)
- ◆ Associate Professor of Civil Engineering (2001-2002), The City College of New York.
- ◆ Assistant Professor of Civil Engineering (1998-2001), The City College of New York.
- ◆ Visiting Assistant Professor of Civil Engineering, The City College of New York (1997).
- ◆ Visiting Professor, California Polytechnic State University, San Luis Obispo (1996-1997).
- ◆ Adjunct Professor of Transportation Economics and Transportation Planning (1984-1991), and Port Engineering (1989-1991), Universidad Autónoma de Santo Domingo.
- ◆ Lecturer of Urban Transportation Planning at the Graduate Course in Transportation Planning, Universidad Autónoma de Santo Domingo 1985-1986.

Administrative

- ◆ Director of the Center for Infrastructure, Transportation, and the Environment (Since January 2010)
- ◆ Acting Head, Department of Civil and Environmental Engineering (Jan. 2008-July 2009)
- ◆ Deputy Director of the Transportation Planning Directorate, Ministry of Public Works, October 1986-August 1987.
- ◆ Academic Coordinator of the Graduate Course in Transportation Planning, Universidad Autónoma de Santo Domingo 1985-1986.

- ◆ Head, Transportation Planning Department, Ministry of Public Works, 1984-1986.
- ◆ Head of the Special Studies Unit, Ministry of Public Works, Jan. 1981-Aug. 1984.

4. PUBLICATIONS (AN “*” MARKS PAPERS WITH STUDENTS AS LEAD AUTHORS)

Refereed journal publications (published)

1. Holguín-Veras, J., and M. Preziosi (2010) “Behavioral Investigation on the Factors that Determine Adoption of an Electronic Toll Collection System: Passenger Car users” *Transportation Research Part C: Emerging Technologies*. Published online at <http://dx.doi.org/10.1016/j.trc.2010.07.005>
2. Holguín-Veras, J., E. Thorson and J.C. Zorrilla, (2010) “Commercial Vehicle Empty Trip Models with Variable Zero Order Empty Trip Probabilities” *Network and Spatial Economics*. Vol. (10) 2 (2010), Page 241. Published online in (2008) at <http://dx.doi.org/10.1007/s11067-008-9066-7>
3. Holguín-Veras, J., N. Xu, G. de Jong, and H. Maurer (2009) “An Experimental Economics Investigation of Shipper-carrier Interactions in the Choice of Mode and Shipment Size in Freight Transport” *Network and Spatial Economics*. Published online at DOI <http://10.1007/s11067-009-9107-x>
4. Silas, M. and J. Holguín-Veras (2009) “Behavioral Microsimulation Formulation for Analysis and Design of Off-hour Delivery Policies in Urban Areas” *Transportation Research Record* 2097, pp. 43-50
5. Bastida, C. and J. Holguín-Veras (2009) “Freight Generation Models: Comparative Analysis of Regression Models and Multiple Classification Analysis” *Transportation Research Record* 2097, pp. 51-61
6. Wang, Q. and J. Holguín-Veras (2008) “An Investigation on the Attributes Determining Trip Chaining Behavior in Hybrid Micro-Simulation Freight Models” *Transportation Research Record* 2066, pp. 1-8 (NSF CAREER Award)
7. Holguín-Veras, J. and M. Cetin (2008) “Optimal Tolls for Multi-Class Traffic: Analytical Formulations and Policy Implications” ” *Transportation Research Part A: Policy and Practice*. Published online at <http://dx.doi.org/10.1016/j.tra.2008.11.012>.
8. Holguín-Veras, J. and S. Jara-Díaz. (2008) “Optimal Two-Part Pricing and Capacity Allocation with Multiple User Classes and Elastic Arrivals at Constrained Transportation Facilities,” *Networks and Spatial Economics*. Published online at <http://dx.doi.org/10.1007/s11067-008-9075-6>
9. Holguín-Veras, J. (2008) “Necessary conditions for Off-Hour Deliveries and the Effectiveness of Urban Freight Road Pricing and Alternative financial Policies in Competitive Markets” *Transportation Research Part A: Policy and Practice* Vol. 42A(2), pp. 392-413
10. Friesz, T. L., R. Mookherjee, J. Holguín-Veras, M. A. Rigdon (2008) “Dynamic Pricing in an Urban Freight Environment,” *Transportation Research Part B: Methodological*, Volume 42, Issue 4, May 200, pp. 305-324
11. Holguín-Veras, J. and G. Patil, (2008) “A Multi-commodity Integrated Commodity based-Empty Trip Freight Origin-Destination Synthesis Model,” *Networks and Spatial Economics*, 8(2-3), pp. 309-326. Published at <http://dx.doi.org/10.1007/s11067-007-9053-4>
12. Holguín-Veras, J., N. Pérez, S. Ukkusuri, T. Wachtendorf, B. Brown (2007) “Emergency Logistics Issues Affecting the Response to Katrina: A Synthesis and Preliminary Suggestions for Improvement,” *Transportation Research Record* No. 2022, pp.76-82

13. Holguín-Veras, J. and G. Patil, (2007) “Integrated Origin-Destination Synthesis Model for Freight with Commodity-Based and Empty Trip Models,” *Transportation Research Record* No. 2008, pp. 60-66
14. Ozmen-Ertekin, D., K. Ozbay, and J. Holguín-Veras (2007). “Role of Transportation Accessibility in Attracting Businesses to New Jersey.” *Journal of Urban Planning and Development*, Vol. 133(2), pp. 138-149
15. Ozbay, K., O. Yanmaz-Tuzel, O., Holguin-Veras, J. (2007) “Theoretical Derivation of Value of Travel time and Demand Elasticity: Evidence from New Jersey Turnpike Toll Road,” *Transportation Research Record*, No: 1985, pp.248-256
16. Holguín-Veras, J., M. Silas, J. Polimeni and B. Cruz (2006). “An Investigation on the Effectiveness of Joint Receiver-Carrier Policies to Increase Truck Traffic in the Off-Peak Hours. Part I: The Behavior of Receivers.” *Networks and Spatial Economics* DOI 10.1007/s11067-006-9002-7
17. Holguín-Veras, J., M. Silas, J. Polimeni and B. Cruz (2006). “An Investigation on the Effectiveness of Joint Receiver-Carrier Policies to Increase Truck Traffic in the Off-Peak Hours. Part II: The Behavior of Carriers.” *Networks and Spatial Economics* DOI 10.1007/s11067-006-9011-6
18. Holguín-Veras, J., N. Pérez, B. Cruz and J. Polimeni “On the Effectiveness of Financial Incentives to Off Peak Deliveries to Manhattan Restaurants” *Transportation Research Record* 1966, pp.51-59, 2006
19. Ozbay, K., O. Yanmaz-Tuzel, and J. Holguín-Veras “Evaluation of Combined Traffic Impacts of Time-of-Day Pricing Program and E-ZPass Usage on New Jersey Turnpike” (2006) *Transportation Research Record* No. 1960, pp. 40-47, Sept. 2006. DOI <http://dx.doi.org/10.3141/1960-06>
20. Ozbay, K., O. Yanmaz-Tuzel, D. Ozmen, and J. Holguín-Veras (2006) “Evaluation of Impacts of Time-of-Day Pricing Initiative on Car and Truck Traffic: Port Authority of New York and New Jersey,” *Transportation Research Record* No. 1960, pp. 48-56, Sept. 2006. DOI <http://dx.doi.org/10.3141/1960-07>
21. Holguín-Veras, J., Cetin, M. and S. Xia (2006) “A Comparative Analysis of U.S. Toll Policy” *Transportation Research Part A: Policy and Practice* Vol. 40 (10), pp. 852-871, 2006.
22. Holguín-Veras, J. and S. Jara-Díaz (2006) “Preliminary Insights into Optimal Pricing and Space Allocation at Intermodal Terminals with Elastic Arrivals and Capacity Constraint” *Network and Spatial Economics*, Vol. Vol. 6 (1), pp. 25-38, March 2006. Online at <http://dx.doi.org/10.1007/s11067-006-7683-6>
23. Srinivasan, S., C. R. Bhat, and J. Holguín-Veras (2006) “An Empirical Analysis of the Impact of Security Perception on Intercity Mode Choice: A Panel Rank-ordered Mixed-Logit Analysis” *Transportation Research Record* Vol. 1942, pp. 9-15.
24. Holguín-Veras, J., Q. Wang, N. Xu, K. Ozbay, M. Cetin and J. Polimeni (2006) “The Impacts of Time of Day Pricing on the Behavior of Freight Carriers in a Congested Urban Area: Implications to Road Pricing,” *Transportation Research Part A: Policy and Practice* Vol. 40 (9), pp. 744-766.
25. Ozbay K., Ozmen-Ertekin D., Yanmaz-Tuzel O., Holguin-Veras J. (2005) “Analysis of the Value Pricing Impacts at Port Authority of New York and New Jersey Facilities”, *Transportation Research Record*, No: 1932, pp. 109-118. DOI <http://dx.doi.org/10.3141/1932-13>

26. Holguín-Veras, J., N. Xu, H. Levinson, C. E. McKnight, R.D. Weiner, R.E. Paaswell, K. Ozbay, and D. Ozmen-Ertekin (2005) "An Investigation on the Aggregate Behavior of Firm Relocations to New Jersey (1990-1999) and the Underlying Market Elasticities" *Networks and Spatial Economics* 5: (September 2005), pp. 293-331.
27. Holguín-Veras, J., and G. Patil (2005) "Observed Trip Chain Behavior of Commercial Vehicles" *Transportation Research Record No. 1906*, pp. 74-80.
28. Holguín-Veras, J., J. Polimeni, B.Cruz, N. Xu, G. List, J. Nordstrom and J. Haddock (2005) "Off-Peak Freight Deliveries: Challenges and Stakeholders Perceptions" *Transportation Research Record No. 1906*, pp. 42-48.
29. Holguín-Veras, J., E. Thorson and K. Ozbay (2004) "Preliminary Results of an Experimental Economics Application to Urban Goods Modeling Research" *Transportation Research Record No.1873*, pp. 9-16.
30. Holguín-Veras, J., D. Sackey, S. Hussain, and V. Ochieng (2003) "On the Economic and Financial Feasibility of Toll Truckways" *Transportation Research Record* 1833, pp. 66-72
31. Holguín-Veras, J., K. Ozbay, R. Baker, D. Sackey, and A. Medina (2003) "Towards a Comprehensive Policy of Nighttime Construction Work" *Transportation Research Record No. 1861*, pp. 117-124.
32. Holguín-Veras, J. and E. Thorson. (2003a) "Modeling Commercial Vehicle Empty Trips with a First Order Trip Chain Model," *Transportation Research Part B, Vol. 37 (2)*, pp. 129-148.
33. Holguín-Veras, J. and E. Thorson (2003b) "Practical implications of Modeling Commercial Vehicle Empty Trips" *Transportation Research Record No. 1833*, pp. 87-94
34. (*) Lena, T.S., V. Ochieng, M. Carter, J. Holguín-Veras, and P. Kinney (2002) "Elemental Carbon and PM2.5 Levels in an Urban Community Heavily Impacted by Truck Traffic," *Environmental Health Perspectives, Vol. 110 (10)*, pp. 1009-1015.
35. Holguín-Veras, J., Y. López, and A. Salam (2002) "Truck Trip Generation at Container Terminals: Results from a Nationwide Survey" *Transportation Research Record No.1790*, pp. 89-96.
36. Holguín-Veras, J., (2002) "Revealed Preference Analysis of the Commercial Vehicle Choice Process," *Journal of Transportation Engineering, Vol. 128, No. 4, American Society of Civil Engineers, July/August* pp. 336-346
37. (*) Lena TS, Ochieng V, Carter M, Holguín-Veras, J. and Kinney P. (2001) "Elemental carbon and PM2.5 levels in an urban community heavily impacted by truck traffic" *Epidemiology* 12 (4): 167 July 2001
38. Holguín-Veras, J. and E. Thorson. (2000) "An Investigation of the Relationships Between the Trip Length Distributions in Commodity-based and Trip-based Freight Demand Modeling." *Transportation Research Record No.1707*, pp. 37-48.
39. Holguín-Veras, J. and R. Paaswell (2000) "New York Regional Intermodal Freight Transportation Planning: Institutional Challenges." (invited paper) *Transportation Law Journal's Special Issue on Intermodal Transportation Vol. 27, Number 3*, pp. 453-473
40. Holguín-Veras, J. (2000) "On the Attitudinal Characteristics of Motor Carriers Toward Container Availability Systems." (invited paper) *International Journal of Services Technology and Management, Vol. 1 Nos. 2/3*, pp. 140-155.
41. Holguín-Veras, J. and S. Jara-Díaz. (1999) "Optimal Space Allocation and Pricing for Priority Service at Container Ports." *Transport Research Part B* 33(2), pp. 81-106.

42. Holguín-Veras, J. and Jara-Díaz, S. (1998) "Practical Implications of Optimal Space Allocation and Pricing," in Ports' 98, Vol 1, pp. 89-97, Michael Kraman, ed. March 1998. ISBN 0-7844-0329-5
43. Holguín-Veras, J., S. Jara-Díaz, and C.M. Walton. (1998) "Toward New Paradigms of Container Terminal Modeling." Journal of Infrastructure Vol. 3 (2), pp. 3-9.
44. Holguín-Veras, J. and C.M. Walton. (1998) "On the Application of Combined Models to Port Simulation. Case Study: Gantry Crane Operations." Journal of the Transportation Research Forum, Vol. 37, No. 1, pp. 29-45.
45. Holguín-Veras, J. and C.M. Walton. (1997) "Implementation of Priority Systems for Containers at Marine Intermodal Terminals." Transportation Research Record No. 1602, pp. 57-64.
46. Holguín-Veras, J. (1997) "Alternative Modeling Framework for Pavement Serviceability Analysis." Journal of Transportation Engineering, A.S.C.E., Vol. 123, No. 6, pp. 478-483.
47. Holguín-Veras, J. and C.M. Walton. (1996) "The State of the Practice of Information System and Information Technology at Marine Container Ports." Transportation Research Record 1522, pp. 87-93.
48. Holguín-Veras, J. (1995) "Comparative Assessment of the Analytic Hierarchy Process and Multiattribute Value Functions for Highway Evaluation: A Case Study." Journal of Transportation Engineering, A.S.C.E., Vol. 121, No. 2, pp. 191-200.

Refereed journal publications (in press)

49. Holguín-Veras, J., N. Xu, Q. Wang, K. Ozbay, M. Cetin and J. Polimeni, J.C. Zorrilla and M. Silas "The Behavioral Impacts of the New Jersey Turnpike's Time of Day Pricing Initiative and the Observed Role of Travel Distance on the Underlying Elasticities" Transportation Research Record
50. Holguín-Veras, J., and Q. Wang (2010) "Behavioral Investigation on the Factors that Determine Adoption of an Electronic Toll Collection System: Freight Carriers" Accepted for publication at Transportation Research Part C: Emerging Technologies.
51. Holguín-Veras, J. "Urban Delivery Industry Response To Cordon Pricing, Time-Distance Pricing and Carrier-Receiver Policies" Accepted for publication at Transportation Research Part A
52. Holguín-Veras, J., Q. Wang, N. Xu, K. Ozbay "The Impacts of Time of Day Pricing on Car User Behavior: Findings from the Port Authority of New York and New Jersey's Initiative" Accepted for publication at Transportation.
53. Holguín-Veras, J., I. Sánchez, C. Gonzalez, I. Sarmiento, and E. Thorson "Time-Dependent Effects on Parameters of Freight Demand Models: Empirical Investigation" Accepted for publication at Transportation Research Record
54. Holguín-Veras, J., M. Jaller, L. Destro, X. Ban, C. Lawson, and H.S. Levinson, "Freight Generation, Freight Trip Generation, and the Perils of Using Constant Trip Rates" Accepted for publication at Transportation Research Record
55. Destro, L. and J. Holguín-Veras, "Material Convergence and its Determinants: The Case of Hurricane Katrina" Accepted for publication at Transportation Research Record
56. Brom, M., J. Holguín-Veras, and S.D. Hodge, "Off-Hour Deliveries In Manhattan: Experiences Of Pilot Test Participants" Accepted for publication at Transportation Research Record
57. Holguín-Veras, J., K. Ozbay, A. Kornhauser, M. Brom, S. Iyer, W.F. Yushimito, S. Ukkusuri, B. Allen, and M. A. Silas "Overall Impacts of Off-Hour Delivery Programs in the

New York City Metropolitan Area” Accepted for publication at Transportation Research Record

58. Holguín-Veras, J., and M. Jaller “Immediate Resource Requirements after Hurricane Katrina” Accepted for publication at Natural Hazards Review.

Refereed journal publications (being reviewed)

1. (*) Thorson, E., J. Holguín-Veras "A Spatial Price Equilibrium Heuristic Model of Independent Shipper-Carrier Operations with Explicit Consideration of Trip Chains” submitted to Transportation Research Part B: Methodological (NSF CAREER Award).
2. Xu, N. and J. Holguín-Veras “An Investigation of Production and Transportation Dynamics for Integrated Shipper-Carrier Operations” Submitted to Transportation Research Record (NSF DGT)
3. (*) Xu, N., J. Holguín-Veras and C. Bhat “An assessment of the Impacts of Inspection Time on the Airline Industry’s Market Share after 9/11” Submitted to Transportation.
4. (*) Thorson, E., J. Holguín-Veras and J. Mitchell “Multivehicle Routing with Profits and Market Competition,” submitted to Transportation Science (March 2006)
5. (*) Pérez, N. and J. Holguín-Veras “The Accumulation of Empty Containers in Urban Areas: Policy Implications of a Multiperiod Formulation” Submitted to Networks and Spatial Economics
6. Holguín-Veras, J. “Approximation Model To Estimate Joint Market Share In Off-hour Deliveries” Submitted to Networks and Spatial Economics and PANAM XVI
7. Holguín-Veras, J., Jaller, M., and M. Brom “Immediate Resource Requirements after Hurricane Katrina: Policy Implications for Disaster Response” Submitted to Natural Hazards Review.
8. (*) Silas M., and J. Holguín-Veras, S. Jara-Diaz “Optimal Distribution of Financial Incentives to Foster Off-Hour Deliveries in Urban Areas” Submitted to Transportation Research Part A

Refereed journal publications (in preparation)

1. (*) Allen, B., and J. Holguín-Veras “Route Choice and Time of Travel Change: An Analysis of Stated Responses to Pricing”

Chapters in books

1. Holguín-Veras, J. (2009), “The Truth, the Myths and the Possible in Freight Road Pricing in Congested Urban Areas,” (Book Chapter in City Logistics VI) pp. 615-630
2. Holguín-Veras, J., R. Paaswell and A. Perl (2008) “The Role of Government in Fostering Intermodal Transport Innovation and Research” (Chapter 15 in Konings, R., H. Priemus & P. Nijkamp (eds), The Future of Intermodal Freight Transport; Operations, Design and Policy, Edward Elgar Publishing Limited, Cheltenham, UK. ISBN 978 1 84542 238 7)
3. Holguín-Veras, J., M. Silas, J. Polimeni and B. Cruz (2007) “An Investigation on the Attitudinal Factors Determining Participation in Cooperative Multi-Carrier Delivery Systems” (Book Chapter in City Logistics V) pp. 49-62
4. Ukkusuri, S. and **J. Holguín-Veras** (2006) “Assessing Critical Components in Transportation Systems: Economic Models and Complex Network Science Approaches” in “Network Science, Nonlinear Science and Infrastructure Systems,” Terry L. Friesz, (Editor), Springer-Verlag.

5. Holguín-Veras, J., J.M. Polimeni, B. Cruz, and G. List (2005) Off-Peak Freight Deliveries to New York City: Challenges and Policy Measures. In City Logistics IV (E. Taniguchi and R. Thomson, eds), pp. 547-559, Elsevier, Amsterdam.
6. Holguín-Veras, J., J. C. Zorrilla, and E. Thorson (2005) "Modeling Commercial Vehicle Empty Trips: Theory and Application" XVI International Symposium of Traffic and Transportation Theory (ISTTT), pp. 585-608, H. Mahmassani (Editor), Elsevier.
7. Friesz, T. and **J. Holguín-Veras** (2005) "Dynamic Game-Theoretic Models of Urban Freight: Formulation and Solution Approach" in "Methods and Models in Transport and Telecommunications: Cross Atlantic Perspectives" pp. 143-161, Springer-Verlag.
8. Holguín-Veras, J. (2004). "On the Estimation of the Maximum Efficiency of the Trucking Industry: Implications for City Logistics." In: City Logistics III (E. Taniguchi and R. Thomson, eds), pp. 123-134, Elsevier, Amsterdam.
9. Holguín-Veras, J., R. Paaswell and A. Yali (2003) "Impacts of Extreme Events on Intercity Passenger Travel Behavior: The September 11th Experience" in Beyond September 11th: Account of Post-Disaster Research. Special Publication #39 pp. 373-404. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado).
10. Holguín-Veras, J. and R. Paaswell (2001). "New York Regional Intermodal Freight Transportation Planning: Institutional Challenges." Reprinted from the Transportation Law Journal Vol. 27 No. 3, Summer 2000, in "Intermodal Transportation: Selected Essays." Published by the National Center for Intermodal Transportation.
11. Holguin-Veras, J. and Jara-Diaz, S. (2002) "Practical Implications of Optimal Space Allocation and Pricing," in Ports' 98, Vol 1, pp. 89-97, Michael Kraman, ed. March 1998. ISBN 0-7844-0329-5.

Refereed book chapters in press

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Refereed book chapters being reviewed

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Refereed conference proceedings

1. Holguín-Veras, J., E., and M. Brom "Trucking Costs: Comparison Between Econometric Estimation and Cost Accounting." Transport Research Record Annual Meeting of Transportation Research Board, 2008
2. Ozbay K., O. Yanmaz-Tuzel, and J. Holguin-Veras (2006) " Evaluation of the Combined Impacts of E-ZPass and Time-of-Day Pricing on Port Authority of New York and New Jersey Crossings, Proceedings of ITSC 2006- 9th International IEEE Conference on Intelligent Transportation Systems, Toronto, Canada.
3. Holguín-Veras, J., N. Xu, Q. Wang, K. Ozbay, M. Cetin and J. Polimeni, J.C. Zorrilla and M. Silas "The Behavioral Impacts of the New Jersey Turnpike's Time of Day Pricing Initiative and the Observed Role of Travel Distance on the Underlying Elasticities" Annual Meeting of Transportation Research Board, 2006
4. Holguín-Veras, J., N. Pérez, B. Cruz and J. Polimeni "On the Effectiveness of Financial Incentives to Off Peak Deliveries to Manhattan Restaurants" Annual Meeting of Transportation Research Board, 2006
5. Holguín-Veras, J., Q. Wang, N. Xu, K. Ozbay, M. Cetin and J. Polimeni, and J.C. Zorrilla "Behavioral Impacts of Time Of Day Pricing: General Findings from the Port Authority of New York and New Jersey's Initiative" Annual Meeting of Transportation Research Board, 2006

6. Srinivasan, S., C. R. Bhat, **J. Holguín-Veras** and C. Chen “Impact of Security Perception on Intercity Mode Choice: A Panel Rank-ordered Mixed-Logit Analysis” Annual Meeting of Transportation Research Board, 2006
7. Ozbay, K., O. Yanmaz-Tuzel, and **J. Holguín-Veras** “The Impacts of Time of Day Pricing Initiative at NY/NJ Port Authority Facilities Car and Truck Movements” Annual Meeting of Transportation Research Board, 2006
8. Ozbay, K., O. Yanmaz-Tuzel, and **J. Holguín-Veras** “The Impacts of Time of Day Pricing and the Travel Times on the New Jersey Turnpike Traffic” Annual Meeting of Transportation Research Board, 2006
9. Ozbay K., O. Yanmaz-Tuzel, and J. Holguin-Veras (2005) “Evaluation of New Jersey Turnpike Time of Day Pricing Program, presented in INFORMS Annual Meeting, November 13-16 2005, San Francisco, USA.
10. Ozbay K., O. Yanmaz-Tuzel, and J. Holguin-Veras (2005) “Analysis of Observed Behavior of Users to Value Pricing and Travel Time: New Jersey Turnpike Case,” presented in Transportation Research Board 84th Annual Meeting, January 2005, Washington D.C..
11. Ozbay K., O. Yanmaz-Tuzel, and J. Holguin-Veras (2005) “The New Jersey Turnpike Road Pricing Initiative: Analysis Traffic Impacts,” presented in PIARC, International Seminar on Road Pricing with emphasis on Financing, Regulation and Equity, April 2005, Cancun, Mexico (with Ozbay K., Holguin-Veras J.)
12. Chen, C., W. Li, R. Paaswell, and **J. Holguín-Veras** “Impact of 9/11 on Intercity Travel Behavior: Who Are Affected?” submitted to Transportation Research Record (July 2005)
13. Holguín-Veras, J., J. Polimeni, B.Cruz, N. Xu, G. List, J. Nordstrom and J. Haddock (2005) “Off-Peak Freight Deliveries: Challenges and Stakeholders Perceptions” Annual Meeting of Transportation Research Board, 2005
14. Ozbay, K., D. Ozmen, and **J. Holguín-Veras** (2005) “Analysis of the Value Pricing Impacts at NY/NJ Port Authority Facilities Annual Meeting of Transportation Research Board, 2005
15. Ozbay, K., O. Yanmaz, and **J. Holguín-Veras** (2005) “Analysis of the Observed Behavior Of Users to Value Pricing and Travel Time: The New Jersey Turnpike Case” Annual Meeting of Transportation Research Board, 2005
16. Ozbay, K., O. Yanmaz, and **J. Holguín-Veras** (2005). “Evaluation of New Jersey Turnpike Time of Day Pricing Program” INFORMS, New Orleans, November 13-16, 2005
17. Holguín-Veras, J., and G. Patil (2005) “Observed Trip Chain Behavior of Commercial Vehicles” Annual Meeting of Transportation Research Board, 2005
18. Ozbay, K., O. Yanmaz, and **J. Holguín-Veras** (2004) NJ Value Pricing and the New Jersey Turnpike: Travel Time Impacts”, CD-ROM Pre-Prints of the 85th TRB Annual Conference, 2004, Washington, D.C.
19. Ozbay, K., D. Ozmen, and **J. Holguín-Veras** . (2004) "Analysis of the Value Pricing Impacts at NY/NJ Port Authority Facilities", CD-ROM Pre-Prints of the 85th TRB Annual Conference, 2004, Washington, D.C
20. Ozbay, K., O. Yanmaz, and **J. Holguín-Veras** (2004) “The New Jersey Turnpike Road Pricing Initiative: Analysis Traffic Impacts. CD-ROM International Seminar in Road Pricing” (PIARC), 11-13, April, 2005, Cancun Mexico.
21. Ozbay, K., D. Ozmen, and **J. Holguín-Veras** . (2004) “Price Elasticity of Demand at New York/New Jersey Port Authority Facilities Due to Variable Toll Pricing”, 13th Pan-American Conference of Traffic and Transportation Engineering, Albany, NY, 2004.

22. (*) Xia, S., M. Cetin and **J. Holguín-Veras** (2004) “An Econometric Investigation of Toll Policies in the U.S.” published by the XIII Pan American Conference of Traffic and Transportation Engineering (CD ROM) Albany NY.
23. (*) Zorrilla, J. C. and **J. Holguín-Veras** (2004) “Further Enhancements to Empty Trip Models” published by the XIII Pan American Conference of Traffic and Transportation Engineering (CD ROM) Albany NY.
24. (*) Pérez, N. and **J. Holguín-Veras** (2004) “A Multiperiod Model for the Accumulation Of Empty Containers in Urban Areas” published by the XIII Pan American Conference of Traffic and Transportation Engineering (CD ROM) Albany NY.
25. (*) Thorson, E., **J. Holguín-Veras** and J. Mitchell (2004) “An Approach for Solving the Integrative Freight Market Simulation” published by the XIII Pan American Conference of Traffic and Transportation Engineering (CD ROM) Albany NY.
26. Seruya, B. and **J. Holguín-Veras** (2004) “The Role of Qualitative Research in Transportation Studies: Experiences from a Case Study” published by the XIII Pan American Conference of Traffic and Transportation Engineering (CD ROM) Albany NY.
27. Holguín-Veras, J., E. Thorson and K. Ozbay (2004) “Preliminary Results of an Experimental Economics Application to Urban Goods Modeling Research” Annual Meeting of Transportation Research Board, 2004
28. Holguín-Veras, J. and E. Thorson (2003) "The Role of Experimental Economics in Freight Transportation Research: Preliminary Results of Experimentation" Presented and published in the Proceedings of the Association for European Transport's Annual Conference, Strasbourg, 2003.
29. Holguín-Veras, J. and E. Thorson (2002) “Notes on Modeling Commercial Vehicle Empty Trips” published in the Proceedings of the Pan-American Congress XII (in CD ROM), Quito, Ecuador.
30. Holguín-Veras, J. and E. Thorson (2002) “Preliminary Insights into the Practical implications of Modeling Commercial Vehicle Empty Trips” Proceedings of the Annual Conference of the Association for European Transport, Himmerton College, England.
31. Holguín-Veras, J. and E. Thorson (2003) “Practical implications of Modeling Commercial Vehicle Empty Trips” Annual Meeting of Transportation Research Board, 2003
32. Holguín-Veras, J., K. Ozbay, R. Baker, D. Sackey, and A. Medina (2003) “Towards a Comprehensive Policy of Nighttime Construction Work” Annual Meeting of Transportation Research Board, 2003
33. Holguín-Veras, J., D. Sackey, S. Hussain, and V. Ochieng (2003) “On the Economic and Financial Feasibility of Toll Truckways” Annual Meeting of Transportation Research Board, 2003
34. Holguín-Veras, J., R. Paaswell and A. Perl (2002) “Interorganisational Challenges and Opportunities for Freight Automation Research in the United States” Proceedings of the FTAM Conference, Delft University, The Netherlands.
35. Holguín-Veras, J., Y. López, and A. Salam (2002) “Truck Trip Generation at Container Terminals: Results from a Nationwide Survey” Annual Meeting of Transportation Research Board, 2002
36. Holguín-Veras, J. and E. Thorson. (2000) “An Investigation of the Relationships Between the Trip Length Distributions in Commodity-based and Trip-based Freight Demand Modeling.” Annual Meeting of Transportation Research Board, 2000

37. Holguín-Veras, J. (2000). A Framework for an Integrative Freight Market Simulation. IEEE 3rd Annual Intelligent Transportation Systems Conference ITSC-2000, Dearborn Michigan, IEEE pp. 476-481.
38. Holguín-Veras, J. and C.M. Walton. (1996a) "On the Development of a Computer System to Simulate Port Operations Considering Priorities." Proceedings of the 1996 Winter Simulation Conference (ed. J.M. Charnes, D.J. Morrice, D.T. Brunner, and J.J. Swain), pp. 1471-1478. The Institute of Electrical and Electronic Engineers, New Jersey.
39. Holguín-Veras, J. and C.M. Walton. (1996b) "The Role of Information Technology on the Implementation of Priority Systems for Intermodal Containers." Proceedings of the 3rd Annual World Congress on Intelligent Transportation Systems. Orlando, Florida.
40. Holguín-Veras, J. and C.M. Walton. (1996c) "An Empirical Investigation of Alternative Approaches to the Simulation of Gantry Crane Operations." Proceedings of the 38th Annual Meeting of Transportation Research Forum, Vol. 2, pp. 459-477. San Antonio, Texas.
41. Holguín-Veras, J. and C.M. Walton. (1997) "Implementation of Priority Systems for Containers at Marine Intermodal Terminals." Annual Meeting of Transportation Research Board, 1997
42. Holguín-Veras, J. and C.M. Walton. (1996) "The State of the Practice of Information System and Information Technology at Marine Container Ports." Annual Meeting of Transportation Research Board, 1996.
43. Holguín-Veras, J. (1987) "The Calibration of the Leibbrand Model." Published by the Second Transportation Congress, Santo Domingo.
44. Holguín-Veras, J. (1987) "Public Transportation: Informal vs. Formal Systems." Published by the Second Transportation Congress, Santo Domingo.
45. Holguín-Veras, J. et al. (1982) "Computational System for O-D Survey." Second (Latin American) Congress of Transportation Engineering, Popayan.

Non-refereed publications

1. Holguín-Veras, J. G. List, A. Meyburg, K. Ozbay, R. Paaswell, H. Teng, and S. Yahalom (2001) "An Assessment of Methodological Alternatives for a Regional Freight Model in the NYMTC Region," New York City Metropolitan Transportation Council (NYMTC), May 30, 2001.
2. Kinney, P., J. Holguín-Veras and M. Carter, "Air Pollution and Traffic at Hunts Point," Research Report published by the University Transportation Research Center, October, 2000.
3. Holguín-Veras, J. and C.M. Walton (1997a) "The Performance Analysis of Priority Systems." Research Report SWUTC/97/467304-1, Center for Transportation Research, The University of Texas at Austin, August 1997, Austin, TX 78712.
4. Holguín-Veras, J. and C.M. Walton (1997b) "Range of Applicability of Priority Systems." Research Report SWUTC/97/467304-2, Center for Transportation Research, The University of Texas at Austin, August 1997, Austin, TX 78712.
5. Holguín-Veras, J. and C.M. Walton (1995a) "A Categorized and Annotated Bibliography on the Performance Analysis of Port Operations." Research Report SWUTC/95/721912-1, Center for Transportation Research, University of Texas at Austin. Austin, TX 78712.
6. Holguín-Veras, J. and C. Walton (1995b) "The Role of Information Technology on the Implementation of Priority Systems and The State of the Practice of Information System and Information Technology on Marine Container Ports." Research Report SWUTC/96/721928-3, Center for Transportation Research, University of Texas at Austin, Austin, TX 78712.

7. Holguín-Veras, J. and C. Walton (1995c) “The Calibration of PRIOR, A Computer System for the Simulation of Port Operations Considering Priorities.” Report SWUTC/96/721928-1, Center for Transportation Research, University of Texas at Austin, Oct. 1995, Austin, TX 78712.
8. Holguín-Veras, J. and C.M. Walton (1995d) “PRIOR, A Computer System for the Simulation of Port Operations Considering Priorities.” Research Report SWUTC/96/721928-2, Center for Transportation Research, The University of Texas at Austin, Oct. 1995, Austin, TX 78712.
9. Holguín-Veras, J. and L. Simó (1984). “Methodological Framework for the Maintenance and Rehabilitation Plan.” Ministry of Public Works, Transportation Planning Department.
10. Holguín-Veras, J. (1984) “Development of a model to quantify vehicle supply in freight transportation” Thesis (M.S. in transportation planning)--Universidad Central de Venezuela, Instituto de Urbanismo.
11. Holguín-Veras, J. (1984) “Definition of the Optimum Policy of Truck Import.” Dominican Republic 1984-1989. Ministry of Public Works.
12. Holguín-Veras, J. and M. Rubio. (1982) “Diagnosis of the Toll System.” Ministry of Public Works

5. CURRENT PROJECTS

- ◆ “Integrative Freight Demand Management in the New York City Metropolitan Area” (United States Department of Transportation); July, 1 2007-April 30, 2010; Professors Satish Ukkusuri, Kaan Ozbay, and Drs. Allison de Cerreño and Alain Kornhauser are Co-PIs; Total budget \$1,865,136). This project focuses on designing and testing an innovative freight demand management for the NYC metropolitan area.
- ◆ “DRU: Contending with Materiel Convergence: Optimal Control, Coordination, and Delivery of Critical Supplies to the Site of Extreme Events” (National Science Foundation CMMI-0624083); January 2007-December 2010; Professors Tricia Wachtendorf and Satish Ukkusuri are Co-PIs; Total budget=\$749,298). This project focuses on the development of new paradigms of supply chain modeling integrating social sciences and logistics.
- ◆ “RAPID: Field Investigation on the Comparative Performance of Alternative Humanitarian Logistic Structures” (National Science Foundation NSF-RAPID 1034365); January 2011 – December 2012, Co-PI Professor Tricia Wachtendorf. This project gathered field data concerning the performance of the humanitarian logistic systems that emerged after the Haiti earthquake.
- ◆ “A Smarter I-278 Corridor: Moving People, Freight, and the Regional Economy, Phase I” University Transportation Research Center (Total budget \$145,000)
- ◆ “Feasibility Study for Freight Data Collection” New York Metropolitan Transportation Council (May 1, 2009-May 30th 2011) (Total budget \$100,000)
- ◆ “NCFRP 25: Freight Trip Generation and Land Use” (National Cooperative Freight Research Program, January 1, 2010 March 31st 2011) (Total budget \$300,000)
- ◆ “New York City Park & Ride Study” (New York State Department of Transportation) December 15, 2008-June 14, 2010 (Total budget \$256,000)
- ◆ “NCFRP 26: Freight Cost Data Elements” (National Cooperative Freight Research Program, July 1, 2010 December 31st 2011) (Total budget \$300,000)

6. COMPLETED PROJECTS

- ◆ Director of the Center for Intermodal Freight Mobility and Security (jointly with the University of Maryland); 2005-2009 Funded by the Federal Highway Administration (Total budget: \$700,000). This project focuses on the development of new modeling paradigms for freight security and mobility analyses.
- ◆ “SGER: Characterization of the Supply Chains in the Aftermath of an Extreme Event: The Gulf Coast Experience” (National Science Foundation CMMI-0554949); February 2006-January 2008; Professors Tricia Wachtendorf and Satish Ukkusuri are Co-PIs; Total budget=\$90,482). This project gathered perishable data about formal and emergent supply chains after Katrina.
- ◆ “Synthesis of Freight Origin-Destination Matrices from Intelligent Transportation Systems Data (CAREER Award, CAREER- 0245165)” (National Science Foundation; March 2001- February 2008; Total budget = \$375,000). This project intends to develop techniques to dynamically estimate OD matrices from ITS data for traffic control and planning purposes.
- ◆ "Dynamic Game Theoretic Models for Urban Freight Systems” (National Science Foundation CMS-0324380); August 2003-July 2007; Professors Terry Friesz and Warren Powell, Co-PIs; Total budget=\$482,611). This project intends to develop a new formulation for urban goods processes based on dynamic game theory.
- ◆ "Impacts of Extreme Events: A Systematic Analysis of Individual Travel Choice Decisions” (National Science Foundation; CMS-0301391, May 2003-February 2007; Professors Robert Paaswell and Chandra Bhat are Co-PIs; Total budget: \$249,573). This project assessed changes on passenger travel behavior produced by the 9/11 attack.
- ◆ "Potential for Off-Peak Deliveries to Commercial Areas" (New York State Department of Transportation, January 2003-December 2006) (Total budget = \$300,000). This project focuses on the definition of policies aimed at increasing off-peak deliveries to commercial areas in New York City.
- ◆ “Pan-American Advanced Studies Institute on Transportation Sciences” (National Science Foundation OISE-0418035); August 2004-July 2005; Professor George List is Co-PI; Total budget=\$97,060). This project intends to create the foundations for long term collaboration between American and Latin American scientists.
- ◆ “Evaluation Study of the Port Authority of New York and New Jersey’s Value Pricing Initiative” (Federal Highway Administration Value Pricing Program January 2002 – March 2005; Total budget = \$750,000). This project intends to assess behavioral and systemwide impacts of the pricing initiative at the PANYNJ facilities.
- ◆ “Evaluation Study of the New Jersey Turnpike Authority’s Value Pricing Initiative” (Federal Highway Administration Value Pricing Program; January 2002 – June 2005; Total budget = \$450,000). This project intends to assess behavioral and systemwide impacts of the pricing initiative at the NJTA facilities.
- ◆ “Impacts of Extreme Events on Passenger Travel Behavior” (Professor R. Paaswell is Co-Principal Investigator) (National Science Foundation; April 1, 2002 – March 31, 2003; Total budget = \$50,000). This project assessed changes on passenger travel behavior produced by the 9/11 attack.
- ◆ “Integrative Freight Market Simulation” (National Science Foundation, CMS-1079266; September 2000-August 2002; Total budget = \$84,500). This project developed a new modeling framework for freight movements on the basis of a market equilibrium formulation.

- ◆ “Human Factors in Nighttime Construction Zones” (New Jersey Department of Transportation; October 2000-February 2001; Total budget = \$85,000). This project focused on analyzing human factors in nighttime construction zones to define strategies to mitigate the negative impacts upon workers.
- ◆ “North East Intermodal Transportation Corridor” (September, 2000- March 2001). This project included freight demand modeling for the New York City metropolitan region (funded by the Port Authority of New York and New Jersey).
- ◆ “New Jersey's Links to the 21st Century” (Professor R. Paaswell, Co-Principal Investigator) (New Jersey Department of Transportation; January 2000-December 2002; Total budget = \$650,000). This project modeled the relationship between economic development and transportation to help define transportation policy.
- ◆ “Strategic Plan for the Development of the Regional Freight Model” (New York Metropolitan Transportation Council; January 2000-May 2001; Total budget = \$100,000). This multiuniversity research project defined a development process for the regional freight model to be developed by NYMTC.
- ◆ “Truck-Trip Generation at Marine Container Terminals” (PSC-CUNY; August 1999-July 2001; Total budget = \$20,000) As part of this project, conducted in collaboration with the American Association of Port Authorities, data was collected and models of truck-trip generation at container terminals were developed.
- ◆ “Operational Evaluation of the Integrated Incident Management System (IIMS)” (New York State Department of Transportation; 2000-2002; Total budget = \$110,000). This project conducted a before and after analyses of the impacts of the IIMS on interagency communication.
- ◆ “Demand Modeling for the Anillo Metropolitano Project,” Guatemala (January-June 1999). This project included the demand modeling and forecast (both freight and passengers) of a major bypass road in Guatemala City.
- ◆ “Analysis of the Transportation Alternatives for the Grain Terminal,” Dominican Republic, April-July 1991. It included the analysis of the terminal operations, multimodal alternatives, logistics and inventory policy for a new grain terminal.
- ◆ “Analysis of the Santo Domingo-San Cristóbal Highway,” Dominican Republic, January-May 1989. It included demand forecast, analysis of the alternatives and the economic analysis.
- ◆ “National Study of the Service Sector in the Dominican Republic,” November 1988-February 1989. Financed by UNCTAD, this project focused on the assessment of the impacts of free market policies upon the transportation system, tourism and export sector. This analysis helped shape the governmental position at the Uruguay Round of GATT.
- ◆ “Panama's National Transportation Plan,” January-April 1988. It consisted of the calibration of the modal split models, analysis of the intermodal corridors, economic analysis of airport projects (including the Marcos Gelabert airport), pipelines, railroads and port projects (including port simulation), and formulation of the final investment plan.
- ◆ “Formulation of the Widening Project of the Simon Bolivar Avenue,” Dominican Republic, August-November 1987. It included the design of alternatives, demand forecast and economic analysis.

- ◆ “Institutional Development of the Dominican Port Authority,” Dominican Republic, September-October 1987. It included demand forecast for the port system and the corresponding simulations, under contract with PRC-Harris. This project was financed by Interamerican Development Bank.
- ◆ “Rehabilitation Project of Rural Roads (Loan 98-FIDA-World Bank),” Dominican Republic, August-October 1987. It was comprised of the data collection planning, inspection of 300 km of rural roads, the definition of the alternatives and their economic analysis. This project was financed by the World Bank.
- ◆ “Economic Analysis of the Extension of the J.F. Kennedy Avenue,” Dominican Republic, May-June 1987. It included the demand forecast and the economic analysis.
- ◆ “Ex-post analysis of the Nunez de Caceres Avenue,” Dominican Republic, May 1987. It included the demand forecast and the economic analysis.
- ◆ “Urban Plan for the Northern Zones of Santo Domingo City,” Dominican Republic, March-April 1987. This project considered the settlement of 250,000 people over a five year period. The transportation plan for this urban development was developed.
- ◆ “Evaluation of 180 km. of Rural Roads,” Dominican Republic, March-April 1987. Under contract with the Interamerican Development Bank, it included the formulation and economic evaluation of the alternatives.
- ◆ “Diagnosis and Perspectives of the Arterial System of Santo Domingo City,” Dominican Republic, January-February 1987. It was comprised of the comprehensive analysis of the transportation needs and the demand forecast for the network, oriented to the analysis for the project of the fourth bridge over the Ozama river.
- ◆ “Transportation Demand Forecast,” January-August 1986, Transportation Planning Department, Ministry of Public Works, Dominican Republic. It included the calibration of the demand models and the definition of the alternatives.
- ◆ “Pavement Maintenance and Rehabilitation Plan,” January-December 1986, Transportation Planning Department, Ministry of Public Works, Dominican Republic. It included the diagnosis of the network, the formulation of alternatives, and the implementation of a Pavement Management System.
- ◆ “Definition of the Fiscal Policy for the Transportation Sector,” November 1986-May 1987, Transportation Planning Department Ministry of Public Works, Dominican Republic.
- ◆ “Analysis of the Railway Project La Vega-Santo Domingo,” Dominican Republic, August, 1985. Under contract with DELCANDA Intl. the demand forecast for passengers and freight was done.
- ◆ “Definition of the Optimum Policy of Truck Import,” Dominican Republic, January 1983-August 1984. It included the definition of the import policy, the forecast of transportation demand and supply, (including the development of fleet deterioration models), and the development of a simulation system for the analysis of the alternatives and the quantification of their impacts.
- ◆ “Comprehensive Study of the Transportation System of the Capital Region,” Venezuela, June 1983- August 1984. The purpose of this study was the definition of an integrated policy of land use and transportation that contributes to the decentralization of Caracas.
- ◆ “Comprehensive Study of the Transportation System of the East Coast of the Maracaibo Lake,” Venezuela, February-May, 1983. It included the analysis of different

policies of land use and transportation by using transportation and land use integrated models.

- ◆ “Institutional Study of the Ministry of Public Works,” Dominican Republic, 1982. It encompassed traffic studies, the definition of the optimum axle load for the highway system, and the analysis of the toll system.
- ◆ “Planning of the O-D Survey of Santo Domingo City,” Dominican Republic, December 1980-April 1981. It included the definition of the statistical frame and planning of the data collection process.
- ◆ “Traffic Signal Coordination for the John F. Kennedy and Abraham Lincoln Avenues,” Dominican Republic, October-November 1979. It included the design of the system and the economic analysis.

7. COMMITTEE WORK

At the Rensselaer Polytechnic Institute:

- ◆ Co-Chair of the 175th Anniversary Committee (since August 2009)
- ◆ Member of the Task Force on the Environmental Engineering Program (since August 2009)
- ◆ Acting Department Head (December 2007-June 2009)
- ◆ Member of the Executive Committee of the Rensselaer’s RAMP-UP (Reforming Advancement at Rensselaer) project
- ◆ Member of the School of Engineering Future of Engineering Committee (since December 2006)
- ◆ Member of the Department Head Chair Committee (July 2005-August 2009)
- ◆ Member of the Graduate Program Committee at the Civil and Environmental Engineering Department (since July 2002)
- ◆ Chairman of the search committee for the geotechnical engineering faculty position (March 2003-March 2004)
- ◆ Member of the Space Allocation Committee at the Civil and Environmental Engineering Department (since July 2002)

At The City College of New York:

- ◆ Member of the CCNY Vice-President for Facilities Search Committee (February 2002)
- ◆ Member of the CCNY President’s Task Force on Community Outreach (December 2001-July 2002)
- ◆ Doctoral Committee (2001- July 2002)
- ◆ Member of School of Engineering Dean Search Committee (December 1999-June 2000)
- ◆ Curriculum/ABET Committee (1997-2000)

8. STUDENT GUIDANCE

At the Rensselaer Polytechnic Institute:

- ◆ Doctoral students: Ellen Thorson (graduated in Spring 2005), Qian Wang (graduated in August 2008), Ning Xu (graduated in August 2008), Michael Silas (graduated in August 2009)
- ◆ Current doctoral students: Noel Perez, Miguel Jaller, Matthew Brom, Ivan Sanchez, and Carlos Gonzalez

- ◆ Master students: Juan C. Zorrilla (graduated in Fall 2004), Shuwen Xia (graduated in Spring 2004), Brenda Cruz (graduated in Spring 2005), Ning Xu (August 2005), Ben Reim (December 2006), Carlos Bastida (August 2007), Pedro Canalda (December 2007), Michael Preziosi (May 2008), Coral Torres (August 2009), Brandon Allen (August 2009)
- ◆ Advisor to the student chapter of the Society of Hispanic Engineers (SHEP)

At The City College of New York:

- ◆ Master students: Mostafa Kamal, Andrew Sakowicz, Abdus Salam, Amr Ibrahim.
- ◆ Doctoral students: Judith Peter, Chang Guang, Victor Ochieng

9. COURSE AND CURRICULUM DEVELOPMENT

New courses at Rensselaer Polytechnic Institute:

- ◆ CIVL6961: Critical Issues on Transportation

Re-designed courses at Rensselaer Polytechnic Institute:

- ◆ CIVL6230: Transportation Economics
- ◆ CIVL6260: Transportation Algorithms

New courses at CCNY:

- ◆ CE264: Civil Engineering Data Analysis
- ◆ CE5741: ITS Fundamentals and Applications
- ◆ CE5542: GIS Transportation Modeling

Re-designed courses at CCNY:

- ◆ CE5602: Transportation Economics
- ◆ CE5635: Traffic Engineering (redesigned as a full multimedia course)

10. PROFESSIONAL ACTIVITIES

Board Member of:

- ◆ New York State Thruway Authority (since July 2010)
- ◆ Council of the Association for European Transport (Elected Member) (since 2005)
- ◆ President of the Pan-American Transportation and Traffic Engineering Conferences (since 2005)
- ◆ Council of Logistics Management's Western New England Roundtable (since April 2004)
- ◆ CUNY Institute for Urban Systems (since 2001)
- ◆ Community University Consortium for Regional Environmental Justice (since 1999)
- ◆ Colegio Dominicano de Ingenieros, Arquitectos y Agrimensores (1985-1986).
- ◆ Member of an Industry Advisory Board that advised the Bureau of Transportation Statistics and the U.S. Bureau of the Census on the Commodity Flow Survey 2002 and the planned "American Freight Survey."

Member of award panels for:

- ◆ National Science Foundation
- ◆ Council of University Transportation Centers (CUTC)

Participation in professional societies and research panels:

- ◆ Professional Engineer, New York (since 2000)
- ◆ American Society of Civil Engineers (since 1999)

- ◆ Member of the International Advisory Committee of the "Brain Korea" (BK) 21 Logistics Team sponsored by the Ministry of Education in Korea at the Pusan National University (since 2000).
- ◆ Member of Transportation Research Board Technical Committees on: Freight Transportation Planning and Marketing (A1B02) (since 1998) and Intermodal Freight Terminal Design and Operations A2M03 (since 1995)
- ◆ Member of Transportation Research Board Task Force on Innovations on Freight Transportation Modeling (AT016T) (since November 2003)
- ◆ Member of the Council on Transportation (since 1999).
- ◆ Member of Colegio Dominicano de Ingenieros, Arquitectos y Agrimensores (Board of Engineers of Dominican Republic) since 1984.

Invited lectures and chairmanships at professional conferences:

- ◆ Chairman of the Pan-American Advanced Studies Institute on Transportation Sciences (PASI-TS), Toluca and Queretaro, Mexico July 24-August 7th 2005
- ◆ Conference Chairman of the XIII Pan American Conference of Traffic and Transportation Engineering, Crowne Plaza Albany, September 27-29 2004
- ◆ Chairman of invited panels on applications of Intelligent Transportation Systems to Commercial Vehicle Operations at the Intelligent Transportation Systems Council (ITSC-IEEE) Conferences (2000, 2001 and 2002).
- ◆ Invited as guest speaker at the Rebuild New York Conference, organized by Mr. Alan Hevesi, New York City Comptroller (March 28, 2000).
- ◆ Invited by the Government of Singapore to lecture on freight transportation and transportation economics (November 1999).
- ◆ Invited to lecture by the Federal Highway Administration on Congestion Pricing and Commercial Vehicle Traffic (January 1999).
- ◆ Chairman of the session on Data Envelopment Analysis (DEA) at the Data Connection Conference, New York December 1997.
- ◆ Chairman of the session on Strategic Data Sharing Alliances, organized by the Working Group on New York City Area Data, New York Metropolitan Transportation Council (NYMTC) January 1998.

Referee for the following professional journals and professional conferences:

- ◆ National Academies' Report on "Measuring International Trade on U.S. Highways" (2004)
- ◆ Transportation Research A, B, C, D and E
- ◆ Journal of the American Society of Civil Engineers
- ◆ Transportation Research Record
- ◆ Journal of the Transportation Research Forum
- ◆ Decision Support Systems
- ◆ World Conferences on Transport Research (since 7th)
- ◆ Intelligent Transportation Systems Council (ITSC-IEEE) Conferences (since 2000)

11. PUBLIC OUTREACH ACTIVITIES

- ◆ Professor Holguín-Veras is very involved in community activities and in policy making activities that benefit the community at large. He has worked closely with a multitude of community groups and grass root organizations including: The Point Community

Development Corporation, Nos Quedamos, Mothers in the Move, The Sports Foundation, New York City Environmental Justice Alliance, and the like.

- ◆ Speaker at the Dominican American National Roundtable (Washington, DC) (December 7-10, 2001).
- ◆ Liaison with the Association of Dominican Engineers, Society of Hispanic Engineers, Latin-American Students Association.
- ◆ Featured in newspapers articles (El Siglo, Manhattan Times, El Diario, New York Post); and TV programs (CBS News channel 47, February 3, 1999).
- ◆ Co-organizer of the Award to Meritorious High School Students. This important event, in collaboration with the Dominican Consulate, has taken place at CCNY for the last three years (1999, 2000 and 2001). Awards are given to 300 outstanding High School students of Dominican descent. Fifteen hundred people attend each year the Award Ceremony at the Great Hall of the City College of New York.
- ◆ Speaker at the Dominicans 2000 Conference (held at CCNY, February 2000). The main objective of this conference was to outline an agenda for the Dominican community in the U.S. It attracted 1,400 participants.
- ◆ Articulated a collaboration agreement between CCNY and the Instituto Tecnológico de Santo Domingo, INTEC (Dominican Republic) for teaching and research on transportation. The agreement was signed by President Y. Moses and President Rafael D. Toribio Domínguez on the 29th of July, 1998.
- ◆ Articulated a collaboration agreement between CCNY and the Universidad Central de Venezuela (Venezuela) for teaching and research on transportation.

12. LANGUAGES

	Speak	Write	Read
English	Fluently	Fluently	Fluently
Spanish	Fluently	Fluently	Fluently