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EDUCATION

- ❑ University of California at Davis, Davis, CA, USA
 - Ph.D., Civil & Environmental Engineering (Transportation Systems), December 1992
 - M.S., Civil & Environmental Engineering (Transportation Systems), June 1990
- ❑ Indian Institute of Technology (IIT) – Madras, Chennai, India
 - B.Tech., Civil Engineering, June 1988

PROFESSIONAL EXPERIENCE

- ❑ School of Sustainable Engineering & the Built Environment, Arizona State University (ASU), Tempe, AZ
 - Professor of Civil, Environmental, and Sustainable Engineering (Transportation Systems), 2006 – 2014 and 2016 – present
 - Senior Sustainability Scientist, 2010 – 2014
 - Honors Faculty, Barrett – The Honors College, 2011 – 2014
- ❑ School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA
 - Frederick R. Dickerson Chair and Professor of Transportation, 2014 - 2016
- ❑ Department of Civil & Environmental Engineering, University of South Florida (USF), Tampa, Florida
 - Professor, Transportation Systems, 2004 – 2006
 - Director, Graduate Programs, 2001 – 2006
 - Associate Professor (Tenured), Transportation Systems, 1999 – 2004
 - Assistant Professor, Transportation Systems, 1994 – 1999
 - Coordinator, Transportation Systems Group, 1994 – 2006
 - Faculty Affiliate, Center for Urban Transportation Research (CUTR), 2003 – 2006
- ❑ Institute of Transport Studies, Universität für Bodenkultur, Vienna, Austria
 - Visiting Professor, Transportation Systems, Summer 2004
- ❑ Department of Civil Engineering, University of Louisiana at Lafayette (ULL), Lafayette, LA
 - Assistant Professor, Transportation Systems, 1992 – 1994
- ❑ Department of Civil & Environmental Engineering, University of California at Davis, Davis, CA
 - Post Graduate Research Engineer, Institute of Transportation Studies, 1988 – 1992
 - Associate Instructor & Teaching Assistant, 1988 – 1991
 - Visiting Research Scholar, University of California at Irvine, Spring 1991

AREAS OF EXPERTISE

- | | |
|--|---|
| ❑ Sustainable Land Use-Transport Systems | ❑ Multimodal Transport Policy Analysis |
| ❑ Transportation Systems Modeling & Simulation | ❑ Freight/Passenger Travel Demand Forecasting |
| ❑ Activity-Based Analysis of Travel Behavior | ❑ Econometric and Statistical Methods |
| ❑ Public Transportation Systems Planning | ❑ Travel Survey Methods and Applications |
| ❑ Information Technologies and Travel Behavior | ❑ Travel Demand Management Strategies |
| ❑ Design of Transportation Systems | ❑ Transportation Economics and Finance |

BOOKS

1. Pendyala, R.M. and C.R. Bhat, eds. (2012) *Travel Behaviour Research in an Evolving World*. Lulu.com Publishers, USA. ~402 pages
2. Kaw, A., S. Campbell, S. Ioannou, G. Besterfield, M. Weng, A. Volinsky, R. Pendyala, and K. Nohra (2011) *FE Practice Test with Complete Solutions*. Lulu.com Publishers, USA. ~281 pages

3. Pendyala, R.M. and K.P. Christian (2011) *PopGen 1.1 User's Guide*. Lulu.com Publishers, USA. ~113 pages
4. Pendyala, R.M. and A. Verma, eds. (2010) *Indo-US Perspectives and Advances in Mass Transit and Travel Behaviour Research*. ~472 pages. Lulu.com Publishers, USA.

REFEREED JOURNAL PUBLICATIONS

1. Pinjari, A.R., B. Augustin, V. Sivaraman, A.F. Imani, N. Eluru, and R.M. Pendyala (2016/2017) Stochastic Frontier Estimation of Budgets for Kuhn-Tucker Demand Systems: Application to Activity Time-use Analysis. *Transportation Research A* (forthcoming).
2. Vallamsundar, S., J.J. Lin, K.C. Konduri, X. Zhou, and R.M. Pendyala (2016) A Comprehensive Modeling Framework for Transportation-induced Health Exposure Assessment. *Transportation Research* **46D**, pp. 94-113.
3. Garikapati, V.M., D. You, R.M. Pendyala, T. Patel, J. Kottommannil, and A. Sussman (2016) Design, Development, and Implementation of a University Travel Demand Modeling Framework. *Transportation Research Record, Journal of the Transportation Research Board* (forthcoming).
4. Kumar, V., C.R. Bhat, R.M. Pendyala, D. You, E. Ben-Elia, and D. Ettema (2016) The Impacts of an Incentive-Based Intervention on Peak Period Traffic: Experience from The Netherlands. *Transportation Research Record, Journal of the Transportation Research Board* (forthcoming).
5. Lavieri, P., C.R. Bhat, R.M. Pendyala, and V.M. Garikapati (2016) Introducing Latent Psychological Constructs in Injury Severity Modeling: A Multi-Vehicle and Multi-Occupant Approach. *Transportation Research Record, Journal of the Transportation Research Board* (forthcoming).
6. Konduri, K.C., D. You, V.M. Garikapati, and R.M. Pendyala (2016) Application of an Enhanced Population Synthesis Model that Accommodates Controls at Multiple Geographic Resolutions. *Transportation Research Record, Journal of the Transportation Research Board* (forthcoming).
7. Shin, J., C.R. Bhat, D. You, V.M. Garikapati, and R.M. Pendyala (2015) Consumer Preferences and Willingness to Pay for Advanced Vehicle Technology Options and Fuel Types. *Transportation Research* **60C**, pp. 511-524.
8. Chester, M.V., A.M. Fraser, J.M. Matute, C.B. Flower, and R.M. Pendyala (2015) Parking Infrastructure: A Constraint on or Opportunity for Urban Development? A Study of Los Angeles County Parking Supply and Growth. *Journal of the American Planning Association* **81(4)**, pp. 268-286.
9. Garikapati, V.M., D. You, R.M. Pendyala, K. Jeon, V. Livshits, and P. Vovsha (2015) Tour Characterization Framework Incorporating Activity Stop Sequencing Model System. *Transportation Research Record* **2494**, *Journal of the Transportation Research Board*, pp. 77-86.
10. Wafa, Z., C.R. Bhat, R.M. Pendyala, and V.M. Garikapati (2015) Latent Segmentation Based Approach to Investigating Spatial Transferability of Activity-Travel Models. *Transportation Research Record* **2493**, *Journal of the Transportation Research Board*, pp. 136-144.
11. Augustin, B., A.R. Pinjari, N. Eluru, and R.M. Pendyala (2015) Alternative Approaches for Estimating Annual Mileage Budgets for a Multiple Discrete-Continuous Choice Model of Household Vehicle Ownership and Utilization: An Empirical Assessment. *Transportation Research Record* **2493**, *Journal of the Transportation Research Board*, pp. 126-135.

12. Paleti, R., C.R. Bhat, R.M. Pendyala, K.G. Goulias, T.J. Adler, and A. Bahreinian (2014) Assessing the Impact of Transportation Policies on Fuel Consumption and Greenhouse Gas Emissions Using a Household Vehicle Fleet Simulator. *Transportation Research Record* **2430**, *Journal of the Transportation Research Board*, pp. 182-190.
13. Born, K., S. Yasmin, D. You, N. Eluru, C.R. Bhat, and R.M. Pendyala (2014) Joint Model of Weekend Discretionary Activity Participation and Episode Duration. *Transportation Research Record* **2413**, *Journal of the Transportation Research Board*, pp. 34-44.
14. Paul, B.M., P. Vovsha, J. Hicks, V. Livshits, and R.M. Pendyala (2014) Extension of Activity-Based Modeling Approach to Incorporate Supply Side of Activities: Examples for Major Universities and Special Events. *Transportation Research Record* **2429**, *Journal of the Transportation Research Board*, pp. 138-147.
15. Garikapati, V.M., R. Sidharthan, R.M. Pendyala, and C.R. Bhat (2014) Characterizing Household Vehicle Fleet Composition and Count by Type in an Integrated Modeling Framework. *Transportation Research Record* **2429**, *Journal of the Transportation Research Board*, pp. 129-137.
16. You, D., V.M. Garikapati, R.M. Pendyala, C.R. Bhat, S. Dubey, K. Jeon, and V. Livshits (2014) Development of Vehicle Fleet Composition Model System for Implementation in Activity-Based Travel Model. *Transportation Research Record* **2430**, *Journal of the Transportation Research Board*, pp. 145-154.
17. Garikapati, V.M., D. You, R.M. Pendyala, P. Vovsha, V. Livshits, and K. Jeon (2014) A Multiple Discrete-Continuous Model of Activity Participation and Time Allocation for Home-Based Work Tours. *Transportation Research Record* **2429**, *Journal of the Transportation Research Board*, pp. 90-98.
18. Washington, S., S. Ravulaparthi, J. M. Rose, D. Hensher, and R.M. Pendyala (2014) Bayesian Imputation of Non-chosen Attribute Values in Revealed Preference Surveys. *Journal of Advanced Transportation* **48(1)**, pp. 48-65.
19. Archer, M., R. Paleti, K.C. Konduri, R.M. Pendyala, and C.R. Bhat (2013) Modeling the Connection Between Activity-Travel Patterns and Subjective Well-Being. *Transportation Research Record* **2382**, *Journal of the Transportation Research Board*, pp. 102-111.
20. Paleti, R., C.R. Bhat, and R.M. Pendyala (2013) An Integrated Model of Residential Location, Work Location, Vehicle Ownership, and Commute Tour Characteristics. *Transportation Research Record* **2382**, *Journal of the Transportation Research Board*, pp. 162-172.
21. Ye, X., R.M. Pendyala, V.N. Shankar, and K. Konduri (2013) A Simultaneous Equations Model of Crash Frequency by Severity Level for Freeway Sections. *Accident Analysis and Prevention* **57**, pp. 140-149.
22. Paleti, R., R.M. Pendyala, C.R. Bhat, K. Lorenzini, and K.C. Konduri (2013) Accommodating Immigration Status and Self-Selection Effects in a Joint Model of Household Auto Ownership and Residential Location Choice. *Transportation Research Record* **2382**, *Journal of the Transportation Research Board*, pp. 142-150.
23. Paleti, R., C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2013) The Modeling of Household Vehicle Type Choice Accommodating Spatial Dependence Effects. *Transportation Research Record* **2343**, *Journal of the Transportation Research Board*, pp. 86-94.
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25. Volosin, S.E., S. Paul, K.P. Christian, K.C. Konduri, and R.M. Pendyala (2013) Exploring the Dynamics in Travel Time Frontier. *Transportation Research Record* **2382**, *Journal of the Transportation Research Board*, pp. 20-27.
26. Kaw, A., A. Yalcin, G. Lee-Thomas, D. Nguyen, M. Hess, J. Eison, R. Pendyala, G. Besterfield, and C. Owens (2012) A Holistic View on History, Development, Assessment, and Future of an Open Courseware in Numerical Methods. *ASEE Computers in Education Journal* **3(4)**, pp. 57-71.
27. Khan, M., R. Paleti, C.R. Bhat, and R.M. Pendyala (2012) Joint Household-Level Analysis of Individuals' Work Arrangement Choices. *Transportation Research Record* **2323**, *Journal of the Transportation Research Board*, pp. 56-66.
28. Seraj, S., R. Sidharthan, C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2012) Parental Attitudes Towards Children Walking and Bicycling to School: Multivariate Ordered Response Analysis. *Transportation Research Record* **2323**, *Journal of the Transportation Research Board*, pp. 46-55.
29. Vyas, G., R. Paleti, C.R. Bhat, K.G. Goulias, R.M. Pendyala, H-H. Hu, T. Adler, and A. Bahreinian (2012) Joint Vehicle Holdings, by Type and Vintage, and Primary Driver Assignment Model with Application for California. *Transportation Research Record* **2302**, *Journal of the Transportation Research Board*, pp. 74-83.
30. Kortum, K., R. Paleti, C.R. Bhat, and R.M. Pendyala (2012) A Joint Model of Residential Relocation Choice and Underlying Causal Factors. *Transportation Research Record* **2303**, *Journal of the Transportation Research Board*, pp. 28-37.
31. Pendyala, R.M., C.R. Bhat, K.G. Goulias, R. Paleti, K. Konduri, R. Sidharthan, H-H. Hu, G. Huang, and K.P. Christian (2012) Application of Socioeconomic Model System for Activity-Based Modeling: Experience from Southern California. *Transportation Research Record* **2303**, *Journal of the Transportation Research Board*, pp. 71-80.
32. Ferdous, N., L. Vana, J.L. Bowman, R.M. Pendyala, G. Giaimo, C.R. Bhat, D. Schmitt, M. Bradley, and R. Anderson (2012) Comparison of Four-Step Versus Tour-Based Models for Prediction of Travel Behavior Before and After Transportation System Changes. *Transportation Research Record* **2303**, *Journal of the Transportation Research Board*, pp. 46-60.
33. Pendyala, R.M., K.C. Konduri, Y-C. Chiu, M. Hickman, H. Noh, P. Waddell, L. Wang, D. You, and B. Gardner (2012) Integrated Land Use – Transport Model System with Dynamic Time-Dependent Activity-Travel Microsimulation. *Transportation Research Record* **2303**, *Journal of the Transportation Research Board*, pp. 19-27.
34. Castro, M., C.R. Bhat, R.M. Pendyala, and S. Jara-Diaz (2012) Accommodating Multiple Constraints in the Multiple Discrete–Continuous Extreme Value (MDCEV) Choice Model. *Transportation Research* **46B(6)**, pp. 729-743.
35. Pinjari, A.R. and R.M. Pendyala (2011) Multi-dimensional Advances in Travel Modeling: Guest Editorial. *Transportation* **38(6)**, pp. 845-848.
36. Pinjari, A.R., R.M. Pendyala, C.R. Bhat, and P. Waddell (2011) Modeling the Choice Continuum: An Integrated Model of Residential Location, Auto Ownership, Bicycle Ownership, and Commute Tour Mode Choice Decisions. *Transportation* **38(6)**, pp. 933-958.
37. Outwater, M., G. Spitz, J. Lobb, M. Campbell, B. Sana, R.M. Pendyala, and W. Woodford (2011) Characteristics of Premium Transit Services that Affect Mode Choice. *Transportation* **38(4)**, pp. 605-623.

38. Konduri, K.C., S. Astroza, B. Sana, R.M. Pendyala, and S.R. Jara-Díaz (2011) A Joint Analysis of Time Use and Consumer Expenditure Data: An Examination of Two Alternative Approaches to Deriving Values of Time. *Transportation Research Record* **2231**, *Journal of the Transportation Research Board*, pp. 53-60.
39. Sener, I.N., C.R. Bhat, and R.M. Pendyala (2011) When, Where, How Long, and With Whom are Individuals Participating in Physically Active Recreational Episodes? *Transportation Letters* **3(3)**, pp. 201-217.
40. Konduri, K.C., X. Ye, B. Sana, and R.M. Pendyala (2011) A Joint Tour-Based Model of Vehicle Type Choice and Tour Length. *Transportation Research Record* **2255**, *Journal of the Transportation Research Board*, pp. 28-37. Winner of the Pyke Johnson Award for Best Paper in Planning and Environment.
41. Castro, M., N. Eluru, C.R. Bhat, and R.M. Pendyala (2011) A Joint Model of Participation in Non-Work Activities and Time-of-Day Choice Set Formation for Workers. *Transportation Research Record* **2254**, *Journal of the Transportation Research Board*, pp. 140-150.
42. Chen, Y., S. Ravulaparthi, K. Deutsch, P. Dalal, S.Y. Yoon, T. Lei, K.G. Goulias, R.M. Pendyala, C.R. Bhat, and H-H. Hu (2011) Development of Opportunity-based Accessibility Indicators. *Transportation Research Record* **2255**, *Journal of the Transportation Research Board*, pp. 58-68.
43. Ferdous, N., R.M. Pendyala, C.R. Bhat, and K.C. Konduri (2011) Modeling the Influence of Family, Social Context, and Spatial Proximity on Non-Motorized Transport Mode Use. *Transportation Research Record* **2230**, *Journal of the Transportation Research Board*, pp. 111-120.
44. Paleti, R., N. Eluru, C.R. Bhat, R.M. Pendyala, T.J. Adler, and K.G. Goulias (2011) The Design of a Comprehensive Microsimulator of Household Vehicle Fleet Composition, Utilization, and Evolution. *Transportation Research Record* **2254**, *Journal of the Transportation Research Board*, pp. 44-57.
45. Sidharthan, R., C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2011) A Model of Children's School Travel Mode Choice Behavior Accounting for Spatial and Social Interaction Effects. *Transportation Research Record* **2213**, *Journal of the Transportation Research Board*, pp. 78-86.
46. Sener, I.N., R.M. Pendyala, and C.R. Bhat (2011) Accommodating Spatial Correlation Across Choice Alternatives in Discrete Choice Models: An Application to Modeling Residential Location Choice Behavior. *Journal of Transport Geography* **19(2)**, pp. 294-303.
47. Sana, B., K.C. Konduri, and R.M. Pendyala (2010) A Quantitative Analysis of the Impacts of Moving Towards a Vehicle Mileage-Based User Fee. *Transportation Research Record* **2187**, *Journal of the Transportation Research Board*, pp. 29-35.
48. Plotz, J., K.C. Konduri, and R.M. Pendyala (2010) To What Extent Can HOV Lanes Reduce Vehicle Trips and Congestion? Exploratory Analysis Using National Statistics. *Transportation Research Record* **2178**, *Journal of the Transportation Research Board*, pp. 170-176.
49. Eluru, N., A.R. Pinjari, R.M. Pendyala, and C.R. Bhat (2010) An Econometric Multi-Dimensional Choice Model of Activity-Travel Behavior. *Transportation Letters: The International Journal of Transportation Research* **2(4)**, pp. 217-230.
50. Ziem, S.E., K.C. Konduri, B. Sana, and R.M. Pendyala (2010) An Exploration of the Time Use Utility that Older Individuals Derive from their Daily Activity-Travel Patterns. *Transportation Research Record* **2156**, *Journal of the Transportation Research Board*, pp. 111-119.

51. Konduri, K.C., X. Ye, and R.M. Pendyala (2010) Probit-based Discrete-Continuous Model of Activity Choice and Duration With History Dependency. *Transportation Research Record* **2156**, *Journal of the Transportation Research Board*, pp. 17-27.
52. Eluru, N., R. Paleti, R.M. Pendyala, and C.R. Bhat (2010) Modeling Injury Severity of Multiple Occupants of Vehicles: Copula-Based Multivariate Approach. *Transportation Research Record* **2165**, *Journal of the Transportation Research Board*, pp. 1-11.
53. Eluru, N., C.R. Bhat, R.M. Pendyala, and K.C. Konduri (2010) A Joint Flexible Econometric Model System of Household Residential Location and Vehicle Fleet Composition/Usage Choices. *Transportation* **37(4)**, pp. 603-626.
54. Ferdous, N., A.R. Pinjari, C.R. Bhat, and R.M. Pendyala (2010) A Comprehensive Analysis of Household Transportation Expenditures Relative to Other Goods and Services: An Application to United States Consumer Expenditure Data. *Transportation* **37(3)**, pp. 363-390.
55. Lee, B.H.Y., P. Waddell, L. Wang, and R.M. Pendyala (2010) Re-examining the Influence of Work and Non-work Accessibility on Residential Location Choices with a Micro-analytic Framework. *Environment and Planning A* **42(4)**, pp. 913-930.
56. Pendyala, R.M., K.G. Goulias, and C. Chen (2009) Remembering a Teacher. *Transportation* **36(6)**, *Special Issue: Ryuichi Kitamura 1949-2009 A Tribute*, pp. 643-646.
57. Pendyala, R.M., A. Verma, K.C. Konduri, and B. Sana (2009) Socio-economic and Transport Trends in India and the United States: A Preliminary Comparative Study. *Transportation Letters* **1(2)**, pp. 121-146.
58. Spissu, E., A.R. Pinjari, R.M. Pendyala, and C.R. Bhat (2009) A Copula-Based Joint Multinomial Discrete-Continuous Model of Vehicle Type Choice and Miles of Travel. *Transportation* **36(4)**, pp. 403-422.
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60. Eluru, N., I.N. Sener, C.R. Bhat, R.M. Pendyala, and K.W. Axhausen (2009) Understanding Residential Mobility: A Joint Model of the Reason for Residential Relocation and Stay Duration. *Transportation Research Record* **2133**, *Journal of the Transportation Research Board*, pp. 64-74.
61. Spissu, E., A. Pinjari, C.R. Bhat, R.M. Pendyala, and K. Axhausen (2009) An Analysis of Weekly Out-of-Home Discretionary Activity Participation and Time-Use Behavior. *Transportation* **36(5)**, pp. 483-510.
62. Ye, X., R.M. Pendyala, S.P. Washington, K.Konduri, and J. Oh (2009) A Simultaneous Equations Model of Crash Frequency by Collision Type for Rural Intersections. *Safety Science* **47(3)**, pp. 443-452.
63. Sener, I.N., R.B. Copperman, R.M. Pendyala, and C.R. Bhat (2008) An Analysis of Children's Leisure Activity Engagement: Examining the Day of Week, Location, Physical Activity Level, and Fixity dimensions. *Transportation* **35(5)**, pp. 673-696.
64. Milton, J.C., V.N. Shankar, M-B. Shyu, S. Sittikariya, and R.M. Pendyala (2008) Data-Driven Perspective on Management of Safety Risk at State Agencies: Case Study in Washington State. *Transportation Research Record* **2083**, *Journal of the Transportation Research Board*, pp. 1-8.

65. Pinjari, A.R., N. Eluru, C.R. Bhat, R.M. Pendyala, and E. Spissu (2008) A Joint Model of Residential Neighborhood Type Choice and Bicycle Ownership: Accounting for Self-Selection and Unobserved Heterogeneity. *Transportation Research Record* **2082**, *Journal of the Transportation Research Board*, pp. 17-26.
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69. Banerjee, A., X. Ye, and R.M. Pendyala (2007) Understanding Travel Time Expenditures Around the World: Exploring the Notion of a Travel Time Frontier. *Transportation* **34(1)**, pp. 51-65.
70. Waddell, P., C.R. Bhat, N. Eluru, L. Wang, and R.M. Pendyala (2007) Modeling the Interdependence in Residential and Workplace Choices. *Transportation Research Record* **2003**, *Journal of the Transportation Research Board*, pp. 84-92.
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72. Pendyala, R.M., R. Kitamura, A. Kikuchi, T. Yamamoto, and S. Fujii (2005) FAMOS: The Florida Activity Mobility Simulator. *Transportation Research Record* **1921**, *Journal of the Transportation Research Board*, pp. 123-130.
73. Bhat, C.R. and R.M. Pendyala (2005) Modeling Intra-household Interactions and Group Decision Making. *Transportation* **32(5)**, pp. 443-448.
74. Tringides, C., X. Ye, and R.M. Pendyala (2004) Alternative Formulations of Joint Model Systems of Departure Time Choice and Mode Choice for Non-Work Trips. *Transportation Research Record* **1898**, *Journal of the Transportation Research Board*, TRB, National Research Council, Washington, D.C., pp. 1-9.
75. Nehra, R.S., A. Banerjee, R.M. Pendyala, and S.L. Dhingra (2004) An Analysis of Personal Time Space Prism Vertex Locations in a Developing Country Context. *Transportation Research Record* **1898**, *Journal of the Transportation Research Board*, pp. 19-27.
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81. Polzin, S.E., R.M. Pendyala, and S. Navari (2002) Development of Time-of-Day Based Transit Accessibility Analysis Tool. *Transportation Research Record* **1799**, *Journal of the Transportation Research Board*, pp. 35-41.
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85. Pendyala, R.M., T. Yamamoto, and R. Kitamura (2002) On the Formulation of Time Space Prisms to Model Constraints on Personal Activity-Travel Engagement. *Transportation* **29(1)**, pp. 73-94.
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9. Pendyala, R.M., R.S. Nehra, and A. Banerjee (2003) An Analysis of Personal Time-Space Prism Vertex Locations in a Developing Country Context. *CD-ROM Proceedings of the First Annual Conference of the Association of Indian Management Scholars (AIMS)*, Indian Institute of Management, Bangalore, India.
10. Murthy, G.N., R.M. Pendyala, and I. Birenbaum (2003) Internal Benchmarking as a Continuous Improvement Process for Dynamic Message Sign Deployment. *CD-ROM Compendium of Technical Papers, 2003 Annual Meeting and Exhibit*, Institute of Transportation Engineers, Washington, D.C.
11. Sun, X., M. Emany, R. M. Pendyala, and C.G. Wilmot (1998) Household Travel, Household Characteristics, and Land Use: An Empirical Study from the 1994 Portland Travel Survey. In Easa, S. and D. Samdahl, eds., *Transportation, Land Use, and Air Quality: Making the Connection*, American Society of Civil Engineers (ASCE), Reston, Virginia, pp. 718-728.
12. Kuppam, A.R. and R.M. Pendyala (1997) An Analysis of Discrete Stated Responses to Parking Pricing Based Transportation Control Measures. In Donnelly, R. and J. Dunbar, eds., *Proceedings of the Sixth TRB Conference on the Applications of Transportation Planning Methods*, Transportation Research Board, National Research Council, pp. 197-207.
13. Kuppam, A.R. and R.M. Pendyala (1997) An Evaluation of Telecommuting as a Means of Sustaining Livable Communities. *Transportation and Sustainable Communities: Resource Papers for the 1997 ITE International Conference*, Institute of Transportation Engineers, Washington, D.C., pp. 148-152.
14. Pendyala, R.M. and E.I. Pas (1997) Summary of Workshop Two: Models of Activity Engagement and Travel Behavior. In: Texas Transportation Institute (ed.), *Activity-Based Travel Forecasting Conference, June 2-5, 1996. Summary, Recommendations, and Compendium of Papers*. Report DOT-T-97-17, Travel Model Improvement Program, U.S. Department of Transportation, Washington, D.C., pp. 183-192.
15. Kitamura, R., R.M. Pendyala, E.I. Pas, and D.V.G.P. Reddy (1995) Application of AMOS, an Activity-Based TCM Evaluation Tool to the Washington D.C. Metropolitan Area. *Proceedings of Seminar E: Transportation Planning Methods*, 23rd European Transport Forum, PTRC Education and Research Services, Ltd., London, pp. 177-190.
16. Pendyala, R.M. (1994) Capacity Analysis of a Semi-Automated Highway. *ITE Compendium of Technical Papers*, Institute of Transportation Engineers, Washington, D.C., pp. 548-552.
17. Kitamura, R., P.L. Mokhtarian, R.M. Pendyala, and K.G. Goulias (1991) An Evaluation of Telecommuting as a Trip Reduction Measure. Proceedings of Seminar A, *19th PTRC Summer Annual Meeting*, PTRC Education and Research Services Ltd., London, pp. 69-80.

WORKING PAPERS

1. Garikapati, V.M., R.M. Pendyala, E.A. Morris, P.L. Mokhtarian, and N. McDonald (2015) Activity Patterns, Time Use, and Travel of Millennials: A Generation in Transition. School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. Submitted to Transport Reviews.
2. Hoklas, M., S. Dubey, C.R. Bhat, V.M. Garikapati, R.M. Pendyala, and D. You (2015) An Integrated Latent Construct Modeling Framework for Predicting Physical Activity Engagement and Health Outcomes. Department of Civil, Environmental, and Architectural Engineering, The University of Texas at Austin, Austin, TX.
3. Volosin, S.E., S. Paul, R.M. Pendyala, V. Livshits, and P. Maneva (2013) Activity-travel Characteristics of a Large University Population. School of Sustainable Engineering and the Built Environment, Arizona State University, Tempe, AZ.
4. Ye, X. and R.M. Pendyala (2013) The Delta Method to Compute Confidence Intervals of Predictions from Discrete Choice Model: An Application to Commute Mode Choice Model. Department of Civil Engineering, California State Polytechnic University, Pomona, CA.
5. Senbil, M., E. Yetiskul, E. Muftuler, and R.M. Pendyala (2013) Parking Tragedy of the Commons: The Case of Istanbul. Gazi University, Ankara, Turkey.

SPONSORED RESEARCH AWARDS/PROJECTS

No.	Title	Role	Agency	Period	Amount
62	Development of New York Activity Based Travel Demand Model System	PI	New York Metropolitan Transportation Council (Subcontract from Cambridge Systematics, Inc. – <i>In Progress</i>)	2016-2019	\$200,000
61	The Impact of Emerging Technologies and Trends on Travel Demand in Georgia	Co-PI	Georgia Department of Transportation – <i>In Progress</i>	2016-2019	\$380,000
60	The Integration of Urban/Regional Models into the Georgia Statewide Model – Phase 1	Co-PI	Georgia Department of Transportation – <i>In Progress</i>	2016-2018	\$298,000
59	Network Performance Monitoring and Distributed Simulation to Improve Transportation Energy Efficiency	Senior Investigator	ARPA-E: Advanced Research Projects Agency – Energy	2015-2018	\$3,000,000
58	Bicyclist Facility Preferences and Effects on Increasing Bicycle Trips, NCHRP 08-102	Co-PI	National Cooperative Highway Research Program, Transportation Research Board	2015-2017	\$350,000
57	SHRP2 C10 Maryland Implementation Assistance Project: Maryland Integrated Travel Analysis Modeling System (MITAMS)	PI	Federal Highway Administration, US Department of Transportation (Subcontract from Cambridge Systematics, Inc. – <i>In Progress</i>)	2014-2016	\$25,000
56	Development of a Statewide Travel Model for Colorado	PI	Colorado Department of Transportation (Subcontract from Cambridge Systematics)	2014-2016	\$68,500
55	Mid-Region Council of Governments (MRCOG) Regional Travel Model Update	PI	Mid-Region Council of Governments, Albuquerque, NM (Subcontract from URS Corporation/AECOM)	2013-2015	\$110,000
54	National University Transportation Center: Strategic Transportation Policies, Investments, and Decisions <i>Transferred to Alternative PI (K. Kaloush) at ASU</i>	PI	Research and Innovative Technology Administration, US Department of Transportation (Subcontract from University of Maryland)	2014-2017	\$547,500
53	Improving and Assessing Student Learning in an Inverted STEM Classroom Setting <i>Transferred to Alternative PI (Y. Lou) at ASU</i>	PI	National Science Foundation (Subcontract from University of South Florida)	2014-2016	\$111,301
52	Analysis, Modeling, and Simulation (AMS) Testbed Development and Evaluation to Support Dynamic Mobility Applications (DMA) and Active Transportation and Demand Management (ATDM) Programs <i>Transferred to Alternative Co-PI (X. Zhou) at ASU</i>	Co-PI	ITS Joint Program Office, US Department of Transportation (Subcontract from Booz Allen Hamilton)	2014-2016	\$419,980

51	Advancing Urban Infrastructure Growth Geospatial Sustainability Assessment with the Earth Engine	Co-PI	Google Faculty Awards Program	2014-2015	\$65,307
50	MAG Regional Travel Model Peer Review and Enhancement	PI	Maricopa Association of Governments	2013-2014	\$50,000
49	Activity-Based Model Development – Phases 2 and 3	PI	Maricopa Association of Governments	2012-2014	\$175,462
48	Development of a Household Vehicle Ownership and Fleet Composition Model	PI	Maricopa Association of Governments	2012-2014	\$77,997
47	Arizona State University Travel Survey Design & Administration	PI	Maricopa Association of Governments	2012-2014	\$65,000
46	Foundational Knowledge to Support a Long Distance Passenger Travel Demand Modeling Framework	PI	Federal Highway Administration, US Department of Transportation (Subcontract from Resource Systems Group, Inc.)	2011-2014	\$149,472
45	Identification and Evaluation of Transformative Environmental (AERIS) Applications and Strategies	PI	Federal Highway Administration (Subcontract from Booz Allen Hamilton)	2012-2014	\$192,522
44	Household Evolution Model Development for SCAG Activity-Based Model	PI	Southern California Association of Governments (Subcontract from UC Santa Barbara)	2011-2013	\$25,000
43	Analytical Travel Forecasting Approaches for Project Level Planning and Design	PI	NCHRP 08-83, Transportation Research Board (Subcontract from CDM Smith)	2011-2013	\$35,000
42	An Application of TRANSIMS to the Analysis of Multimodal Corridors in Phoenix	PI	Federal Highway Administration, US Department of Transportation	2008-2011	\$300,000
41	Modeling the Urban Continuum in an Integrated Framework: Location Choices, Activity-Travel Patterns, Network Dynamics	PI	Federal Highway Administration, US Department of Transportation	2008-2012	\$805,629
40	Development of a Synthetic Population Generator Model in the Framework of an Activity Based Model	PI	Baltimore Metropolitan Council	2010-2011	\$115,000
39	Development of an Online Transportation Planning Survey Data Portal	PI	Maricopa Association of Governments	2011-2012	\$87,566
38	Freight Demand Modeling and Strategic Plan	PI	SHRP2 C20, Transportation Research Board (Subcontract from Gannett Fleming)	2009-2011	\$14,345
37	Partnership to Develop an Integrated Advanced Travel Demand Model and a Fine-Grained Time Sensitive Network	PI	SHRP2 C10, Transportation Research Board (Subcontract from Resource Systems Group)	2009-2012	\$25,000
36	Activity-Based Travel Demand Model Development: Development of SimAGENT	PI	Southern California Association of Governments (Subcontract from UC Santa Barbara)	2009-2012	\$108,159
35	Strategic Plan for Advanced Travel Modeling at CMAP: Expert Cadre	PI	Chicago Metropolitan Agency for Planning	2009-2010	\$11,122
34	Development of Activity-Based Travel Forecasting Model – Phase I	PI	Maricopa Association of Governments (Subcontract from PB Americas)	2009-2010	\$31,050
33	Reflecting the Impact of Rising Fuel Prices on Travel Behavior in the Context of Regional Model Improvements and Dynamic Simulations	PI	Maricopa Association of Governments (Subcontract from PB Americas)	2009-2009	\$13,960
32	Collaborative Proposal: Development of New Prototype Tools, and Adaptation/Implementation of Current Resources for a Course in Numerical Methods	PI	National Science Foundation (NSF-CCLI)	2009-2010	\$19,104
31	Sensitivity of Four-Step Versus Activity-Based Models to Transportation System Changes	PI	Ohio Dept of Transportation (Subcontract from Univ of Texas-Austin)	2009-2010	\$10,000
30	Characteristics of Premium Transit Services that Affect Choice of Mode (TCRP H-37)	PI	Transit Cooperative Research Program (Subcontract from Resource Systems Group)	2008-2009	\$37,500
29	Collection and Analysis of Data Related to Parking and Mode Usage at ASU Campuses	PI	Maricopa Association of Governments/Valley Metro	2007	\$60,000
28	Integrated Transportation, Land Use, and Air Quality Modeling (Subcontract from University of Washington)	PI	US Environmental Protection Agency	2004-2008	\$104,817
27	First Indo-US Symposium on Advances in Mass Transit and Travel Behaviour Research (Funding Provided to Indian Inst of Technology-Guwahati, India)	Co-PI	Indo-US Science and Technology Forum	2007-2008	\$30,000 approx

26	Development of Networks and Automated Calibration Procedure for Transit Boardings Estimation	PI	Florida Department of Transportation	2005-2006	\$125,000
25	Enhancement of Transit Modeling Methods in FSUTMS	PI	Florida Department of Transportation	2005-2006	\$175,000
24	Development of State-of-the-Art Resources for Florida Travel Survey Data Collection and Analysis	PI	Florida Department of Transportation	2004-2006	\$89,408
23	Census Data for Transportation Planning	PI	Transport Research Board	2004-2005	\$10,000
22	Enhancement of the Florida Standard Model Using New Information Technologies	PI	Florida Department of Transportation	2003-2005	\$350,000
21	Evaluation of Transportation Models for Model Task Force	PI	Florida Department of Transportation	2002-2003	\$205,000
20	Enhancement of the Integrated Transit Demand and Supply Model	PI	Florida Department of Transportation	2001-2004	\$315,000
19	Development of GIS-based Conflation Tools for Data Integration and Matching	PI	Florida Department of Transportation	2000-2002	\$190,000
18	Data Integration Procedures in Support of Statewide Transport Modeling and Planning Processes	PI	Florida Department of Transportation	2000-2003	\$422,000
17	Time of Day Modeling Procedures for Implementation in FSUTMS	PI	Florida Department of Transportation	1999-2002	\$ 175,000
16	Day to Day Variability in Travel Using Lexington, KY GPS Data Set	PI	Federal Highway Administration	1999-2000	\$9,998
15	Urban Highway Freight Modeling Including Intermodal Connectors	PI	Florida Department of Transportation	1999-2002	\$350,000
14	State-of-the-Art Integrated Modeling Methodologies in Florida's Statewide Model	PI	Florida Department of Transportation	1999-2002	\$325,000
13	Development of a Decision Support Tool to Assess the Feasibility of Regional Transit	PI	Florida Department of Transportation	1999-2001	\$90,000
12	Operational Testing of Two Products from the Federal Travel Model Improvement Program	PI	Florida Department of Transportation	1998-2001	\$100,000
11	Assessment of Transportation Model Requirements	Co-PI	Growth Management Institute	1999	\$12,500
10	Incorporation of Superpave in USF's Civil Engineering Curriculum	Co-PI	Florida Department of Transportation	1998-2000	\$125,000
9	Development of a Multimodal Activity Based Travel Demand Modeling System for Florida	PI	Florida Department of Transportation	1998-2003	\$400,000
8	Development of an Integrated Transit Demand and Supply Model Using Comprehensive Travel Data	PI	Florida Department of Transportation	1996-1999	\$179,993
7	Dissemination and Evaluation of Federal Travel Model Improvement Program for Florida	PI	Florida Department of Transportation	1996-1998	\$50,000
6	An Assessment of Freight and Passenger Transportation Modeling Needs in Florida	PI	Florida Department of Transportation	1995-1997	\$83,921
5	An Assessment of Transit System Modeling in the State of Florida	PI	Florida Department of Transportation	1995	\$29,000
4	An Air Quality Analysis of Alternative Land Use Development Strategies	PI	Louisiana Education Quality Support Fund, Board of Regents	1994-1996	\$75,000
3	Performance Measures for Intermodal Transportation Management Systems	PI	Louisiana Department of Transportation & Development	1993	\$2,500
2	Development of a Highway Needs and Priorities Process for Louisiana	PI	Louisiana Department of Transportation & Development	1993-1994	\$75,000
1	Development of A Model Statewide Intermodal Transportation Plan	Co-PI	Louisiana Department of Transportation & Development	1992-1994	\$174,925

Note: A list of pending/unsuccessful proposals is available upon request.

INTERNAL UNIVERSITY AWARDS/GRANTS

No.	Title	Role	University	Time Period	Amount
8	Estimating Energy and GHG Emissions From Characteristics of the Built Environment	Co-PI	Georgia Institute of Technology – Strategic Energy Institute (SEI)	2015-2017	\$78,636
7	International Travel Grant Award	PI	University of South Florida	1997	\$1,500
6	International Travel Grant Award	PI	University of South Florida	1996	\$1,500
5	International Travel Grant Award	PI	University of South Florida	1995	\$1,500
4	Congestion Benefits of Highway Automation	PI	University of South Florida Research & Creative Award	1994-1995	\$7,500
3	Instructional Mini-Grant Award: Enhancing Honors Engineering	PI	University of Southwestern Louisiana	1993	\$600
2	A Comparison of Estimation Methods for Improving Travel Demand Forecasting Procedures	PI	University of Southwestern Louisiana	1993	\$1,200
1	Modeling Travel Behavior Using Simultaneous Equations Systems	PI	University of California Transportation Center	1992	\$15,000

RESEARCH REPORTS (Milestone Reports Only)

1. Pendyala, R.M., D. You, and V.M. Garikapati (2016) *Development of a Synthetic Population for the Colorado Statewide Model System*. Interim Report Submitted to Colorado Department of Transportation, Denver, CO. ~50 p
2. Pendyala, R.M., S.E. Volosin, D. You, and V. Garikapati (2015) *A Comprehensive Survey and Analysis of Travel Demand Characteristics of Arizona State University Faculty, Staff, and Students*. Final Report Submitted to Maricopa Association of Governments, Phoenix, AZ. ~120 p
3. Pendyala, R.M., S.E. Volosin, V. Garikapati, and D. You (2015) *Development, Calibration, and Validation of a Special Generator Arizona State University Submodel for Integration with the MAG Regional Travel Model*. Final Report Submitted to Maricopa Association of Governments, Phoenix, AZ. ~90 p
4. Pendyala, R.M., V. Garikapati, and D. You (2015) *Development of a Vehicle Ownership and Fleet Composition Model System for Maricopa Association of Governments*. Final Report Submitted to Maricopa Association of Governments, Phoenix, AZ. ~120 p
5. Pendyala, R.M., V. Garikapati, and D. You (2015) *Development of Updated Model Components for the MRCOG Regional Travel Demand Model System: Destination Choice, Mode Choice, and University Submodel*. Final Report Submitted to Mid-Region Council of Governments, Albuquerque, NM. ~60 p
6. Pendyala, R.M., X. Zhou, V.M. Garikapati, D. You, J. Liu, B. Yelchuru, S. Fitzgerald, and S. Murari (2015) *AERIS – Applications for the Environment: Real-Time Information Synthesis - Low Emissions Zone (LEZ) Operational Scenario Modeling*. Final Report Submitted to ITS Joint Program Office, US Department of Transportation, Washington, D.C. ~85 p
7. Booz Allen Hamilton, P. Mirchandani, P. Li, X. Zhou, and R.M. Pendyala (2014) *Analysis, Modeling, and Simulation (AMS) Testbed Development and Evaluation to Support Dynamic Mobility Applications (DMA) and Active Transportation and Demand Management (ATDM) Programs: Testbed Analysis Plan*. Interim Report Submitted to ITS Joint Program Office, US Department of Transportation, Washington, D.C. ~120 p
8. Resource Systems Group, C.R. Bhat, R.M. Pendyala, S. Hess, and A. Daly (2014) *Foundational Knowledge to Support a Long Distance Passenger Travel Demand Modeling Framework: Model Framework and*

Implementation. Interim Report submitted to Exploratory Advanced Research Program, Federal Highway Administration, US Department of Transportation, Washington, D.C. ~150 p

9. CDM Smith, A. Horowitz, T. Creasey, R.M. Pendyala, and M. Chen (2014) *Analytical Travel Forecasting Approaches for Project Level Planning and Design*. NCHRP Report 765, National Cooperative Highway Research Program, Transportation Research Board, Washington, D.C.
10. RSG, AECOM, Mark Bradley Research and Consulting, John Bowman Research and Consulting, M. Hadi, R. Pendyala, C.R. Bhat, S.T. Waller, and North Florida Transportation Planning Organization (2014) *Dynamic, Integrated Model System: Jacksonville-Area Application*. SHRP2 Report S2-C10A-RW-1, Transportation Research Board, Washington, D.C. ~145 p
11. Pendyala, R.M. (2014) *MAG Regional Travel Demand Model: Actions Taken in Response to Peer Review Panel Recommendations*. Final Report submitted to Maricopa Association of Governments, Phoenix, AZ. ~72 p
12. Pendyala, R.M. (2013) *MAG Regional Travel Model Peer Review Panel Report*. Final Report submitted to Maricopa Association of Governments, Phoenix, AZ. ~20 p
13. You, D., V. Garikapati, and R.M. Pendyala (2013) *Update of the Vehicle Ownership Model Component for the MAG Regional Travel Demand Model*. Final Report submitted to Maricopa Association of Governments, Phoenix, AZ. ~40 p
14. Booz Allen Hamilton, Noblis, and R.M. Pendyala (2013) *Modeling Plan for Dynamic Emissions Pricing and Multimodal Traveler Information Scenarios*. Interim Report on Applications for the Environment: Real-Time Information Synthesis (AERIS) submitted to US Department of Transportation, Washington, D.C. ~100 p
15. Bhat, C.R., K.G. Goulias, R.M. Pendyala, R. Paleti, and S. Dubey (2013) *Development and Calibration of a Household Evolution Model System for SIMAGENT*. Final Report submitted to Southern California Association of Governments, Los Angeles, CA. ~60 p
16. Resource Systems Group, C.R. Bhat, R.M. Pendyala, S. Hess, and A. Daly (2013) *Foundational Knowledge to Support a Long Distance Passenger Travel Demand Modeling Framework: Model Estimation*. Interim Report submitted to Exploratory Advanced Research Program, Federal Highway Administration, US Department of Transportation, Washington, D.C. ~130 p
17. Garikapati, V., D. You, and R.M. Pendyala (2013) *Development of a Multiple Discrete-Continuous Modeling Framework for Characterizing Tour Composition in the MAG CT-RAMP Model System*. Interim Report submitted to Parsons Brinckerhoff and Maricopa Association of Governments, Phoenix, AZ.
18. Pendyala, R.M., T. Hanberg, K.C. Konduri, D. You, and M. Geilich (2012) *Transportation Planning Survey Data Portal: Users Guide and Documentation*. Final Report Submitted to Maricopa Association of Governments, Phoenix, Arizona. ~60 p
19. Pendyala, R.M. and S.E. Volosin (2012) *Implementation of Web-Based Learning Resources in a Course in Numerical Methods at Arizona State University: Student Feedback and Perspectives – An Outcomes Based Assessment*. Final Report Submitted to the National Science Foundation, Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES) Program, Washington, D.C. ~125 p
20. Pendyala, R.M., S.E. Volosin, and B. Grady (2012) *The Application of TRANSIMS to the Analysis of Multimodal Light Rail Corridors in the Greater Phoenix Metropolitan Region*. Final Report Submitted to the Federal Highway Administration, US Department of Transportation, Washington, D.C. ~150 p

21. Pendyala, R.M., K.C. Konduri, D. You, Y-C. Chiu, M. Hickman, H. Noh, P. Waddell, and L. Wang (2012) *SimTRAVEL: An Integrated Model System of the Urban Continuum – Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns*. Final Report Submitted to the Exploratory Advanced Research Program, Federal Highway Administration, US Department of Transportation, Washington, D.C. ~150 p
22. Pendyala, R.M., S.E. Volosin, and K.P. Christian (2012) *The Design and Administration of the Arizona State University Travel Survey*. Final Report Submitted to Maricopa Association of Governments, Phoenix, Arizona. ~80 p
23. Outwater, M., J. Roux, C.R. Bhat, R.M. Pendyala, B. Davidson, and S. Hess (2012) *Characteristics of Premium Transit Services that Affect Choice of Mode*. Phase 2 Report Submitted to Transit Cooperative Research Program, Transportation Research Board, Washington, D.C. ~200 p
24. Bostrom, N.R., A. Horowitz, T. Creasey, R.M. Pendyala, M. Chen, P. Hershkowitz, and S. Gandavarapu (2012) *Analytical Travel Forecasting Approaches for Project Level Planning and Design*. Phase 1 Report Submitted to National Cooperative Highway Research Program (NCHRP), Transportation Research Board, Washington, D.C. ~120 p
25. Pendyala, R.M., S. Lawe, and K.C. Konduri (2011) *Design of a Transportation Planning Survey Data Portal: Software Architecture and Functional Capabilities*. Interim Report Submitted to the Maricopa Association of Governments, Phoenix, Arizona. ~40 p
26. Goulias, K.G., Y. Chen, S.Y. Yoon, C.R. Bhat, R. Paleti, Pendyala, R.M., and K.C. Konduri (2011) *SimAGENT: Simulator of Activities, Greenhouse Emissions, Networks, and Travel - The Development of a Comprehensive Activity-Based Model System for the Southern California Region*. Year 2 Report Submitted to the Southern California Association of Governments, Los Angeles, CA. ~120 p
27. Pendyala, R.M., Y-C. Chiu, P.A. Waddell, M.C. Hickman, K.C. Konduri, H. Noh, and L. Wang (2011) *SimTRAVEL: An Integrated Model System of the Urban Continuum – Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns*. Year 3 Report Submitted to the Exploratory Advanced Research Program, Federal Highway Administration, US Department of Transportation, Washington, D.C. ~200 p
28. Pendyala, R.M. (2011) *Implementation of Web-Based Learning Resources in a Course in Numerical Methods at Arizona State University: Student Feedback and Perspectives – An Outcomes Based Assessment*. Year 2 Report Submitted to the National Science Foundation, Course, Curriculum, and Laboratory Improvement (CCLI) Program, Washington, D.C. ~40 p
29. Pendyala, R.M., S. Volosin, B. Grady, and S. Paul (2011) *The Application of TRANSIMS to the Analysis of Multimodal Light Rail Corridors in the Greater Phoenix Metropolitan Region*. Year 2 Report Submitted to the Federal Highway Administration, US Department of Transportation, Washington, D.C. ~100 p
30. Pendyala, R.M., K.C. Konduri, and B. Grady (2011) *The Development and Implementation of a Synthetic Population Generator for the Baltimore Metropolitan Council*. Final Report Submitted to the Baltimore Metropolitan Council, Baltimore, MD. ~100 p
31. Pendyala, R.M. (2010) *Implementation of Web-Based Learning Resources in a Course in Numerical Methods at Arizona State University: Student Feedback and Perspectives – An Outcomes Based Assessment*. Year 1 Report Submitted to the National Science Foundation, Course, Curriculum, and Laboratory Improvement (CCLI) Program, Washington, D.C. ~40 p
32. Pendyala, R.M. and J. Plotz (2010) *Reflecting the Impact of Rising Fuel Prices on Travel Behavior in the Context of Regional Model Improvements and Dynamic Simulations: Observations of Behavioral Change and Regional*

- Model Enhancement Approaches*. Final Report Submitted to the Maricopa Association of Governments, Phoenix, Arizona. ~50 p
33. Resource Systems Group, Inc., AECOM, Parsons Brinckerhoff, R.M. Pendyala, and University of Texas at Austin (2010) *Characteristics of Premium Transit Services that Affect Choice of Mode*. Final Report for Project H-37, Transit Cooperative Research Program, Transportation Research Board. ~200 p
 34. Konduri, K.C., R.M. Pendyala, and K. Christian (2010) *Implementation of PopGen for the Southern California Association of Governments Activity-Based Travel Demand Model*. Interim Report Submitted to Southern California Association of Governments, Los Angeles, California. ~72 p
 35. Rossi, T.F., J.L. Bowman, P. Vovsha, K.G. Goulias, and R.M. Pendyala (2010) *CMAP Strategic Plan for Advanced Model Development: Final Report of the CMAP Advanced Travel Model Cadre*. Chicago Metropolitan Agency for Planning, Chicago, IL. ~187 p
 36. Whitehouse Group, Gannett Fleming, Inc., University of Texas at Austin, and R.M. Pendyala (2010) *A Review and Synthesis of Best Practices in Freight Transportation Demand Modeling*. Interim Report Submitted to the Strategic Highway Research Program (SHRP) Project C20, Transportation Research Board, Washington, D.C. ~60p
 37. Resource Systems Group, AECOM, Mark Bradley Research and Consulting, John Bowman Research and Consulting, M. Hadi, R.M. Pendyala, C.R. Bhat, and S.T. Waller (2010) *Partnership to Develop an Integrated, Advanced Travel Demand Model and a Fine-Grained Time-Sensitive Network. Task 2 Report: System Architecture*. Submitted to Strategic Highway Research Program (SHRP) Project C10A, Transportation Research Board, Washington, D.C. ~60 p
 38. Pendyala, R.M., K.C. Konduri, K. Christian, B. Sana, and J. Plotz (2009) *PopGen: A Synthetic Population Generator for Advanced Travel Demand Model Deployment. Version 1.1 Users Guide*. Submitted to Federal Highway Administration, US Department of Transportation, Washington, D.C. ~100 p
 39. Resource Systems Group, AECOM, Mark Bradley Research and Consulting, John Bowman Research and Consulting, M. Hadi, R.M. Pendyala, C.R. Bhat, and S.T. Waller (2009) *Partnership to Develop an Integrated, Advanced Travel Demand Model and a Fine-Grained Time-Sensitive Network. Task 1 Report: Project Approach and Industry Synthesis*. Submitted to Strategic Highway Research Program (SHRP) Project C10A, Transportation Research Board, Washington, D.C. ~36 p
 40. Pendyala, R.M., Y-C. Chiu, P.A. Waddell, and M. Hickman (2009) *Modeling the Urban Continuum – Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns: SimTRAVEL Model Design and Prototype Development and Testing Plan*. Interim Report Submitted to Federal Highway Administration, US Department of Transportation, Washington, D.C. ~100 p
 41. Pendyala, R.M., J. Plotz, and K. Christian (2009) *Reflecting the Impact of Rising Fuel Prices on Travel Behavior in the Context of Regional Model Improvements and Dynamic Simulations: Preliminary Data Collection and Analysis*. Interim Report Submitted to the Maricopa Association of Governments, Phoenix, Arizona. ~40 p
 42. Pendyala, R.M., S. E. Ziems, and B. Sana (2009) *The Application of TRANSIMS to the Analysis of Multimodal Corridors in the Greater Phoenix Metropolitan Region: Model Configuration and Network Development*. Interim Report Submitted to Federal Highway Administration, US Department of Transportation, Washington, D.C. ~60 p

43. Waddell, P., C.R. Bhat, and R.M. Pendyala (2008) *Modeling the Impact of Land Use Patterns on Transportation Activity and Vehicle Use and Emissions: A Scenario Analysis for 2050*. Final Report Submitted to the US Environmental Protection Agency, Washington, D.C. ~140 p
44. Pendyala, R.M., Y-C. Chiu, and P.A. Waddell (2008) *Identification of Issues in Integrated Land Use – Transport Modeling and Overall Conceptual Model Structure and Design*. Interim Report Submitted to Federal Highway Administration, US Department of Transportation, Washington, D.C. ~80 p
45. Cambridge Systematics, Inc., Global Insight, H. Cohen, A. Horowitz, and R. Pendyala (2008) *NCHRP Report 606: Forecasting Statewide Freight Toolkit*. Transportation Research Board of the National Academies, National Research Council, Washington, D.C.
46. Spitz, G., J. Lobb, and R.M. Pendyala (2008) *Characteristics of Premium Transit Services that Affect Choice of Mode: Literature Review, Survey Design, and Modeling Considerations*. TCRP Project H-37 Interim Report Submitted to Transit Cooperative Research Program (TCRP), Transportation Research Board, National Research Council, Washington, D.C. ~85 p
47. Pendyala, R.M. (2007) *Analysis of Travel Demand and Mode Use Patterns for Arizona State University*. Final Report, Maricopa Association of Governments and Valley Metro Light Rail, Phoenix, AZ, 170 p.
48. Pendyala, R.M. (2006) *A Review of Selected Mode Choice Models in the United States in Relation to FTA New Starts Project Guidelines*. Phase-I Report, Florida Department of Transportation, Systems Planning Office, Tallahassee, FL.
49. Pendyala, R.M. (2005) *Enhancement of the Florida Standard Travel Model Using New Information Technologies*. Final Report, Florida Department of Transportation, Research Center, Tallahassee, FL.
50. Pendyala, R.M., X. Chu, S. Polzin, and R. Bunner (2005) *TBEST Version 2.1: Transit Boardings Estimation and Simulation Tool Users Guide (Version 2.1)*. Final Report, Florida Department of Transportation, Public Transit Office, Tallahassee, FL.
51. Pendyala, R.M. (2004) *Enhancement of the Florida Standard Model Using New Information Technologies: Phase I Report*. Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
52. Pendyala, R.M. (2004) *FAMOS: The Florida Activity Mobility Simulator – Volume I: Methodology*. Final Report, Florida Department of Transportation, Research Center, Tallahassee, FL.
53. Pendyala, R.M. (2004) *FAMOS: The Florida Activity Mobility Simulator – Volume II: Users Guide*. Final Report, Florida Department of Transportation, Research Center, Tallahassee, FL.
54. Pendyala, R.M. (2003) *Data Integration Procedures in Support of Statewide Modeling and Planning Processes*. Final Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
55. Pendyala, R.M. (2003) *Development of Conflation Tools for Network Matching and Integration in a GIS Environment*. Final Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
56. Pendyala, R.M. (2003) *Time of Day Modeling Procedures for Implementation in FSUTMS*. Final Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.

57. Pendyala, R.M. (2003) *Evaluation of Transportation Models for the Statewide Model Task Force*. Final Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
58. Pendyala, R.M. (2002) *Regional Transit Feasibility Analysis and Simulation Tool, RTFAST 1.0*. Final Report and Users Manual, Florida Department of Transportation, Public Transit Office, Tallahassee, FL.
59. Pendyala, R.M. (2002) *Methodology for Microsimulation of Activity and Travel Patterns in Florida: Development of AMOS*. Phase II Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
60. Pendyala, R.M. (2001) *Urban Freight Transportation Modeling Methodologies: Issues and Econometric Approaches*. Technical Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
61. Pendyala, R.M. (2001) *A Comprehensive Structure for Modeling Person Activity-Travel Patterns – Phase I*. Phase I Report, Florida Department of Transportation, Systems Planning Office and Research Center, Tallahassee, FL.
62. Pendyala, R.M. (2001) *Statewide Model Development: Methodology and Database Development Procedures*. Phase II Report, Florida Department of Transportation, Systems Planning Office and Research Center.
63. Pendyala, R.M. (2001) *Methodology for Integrating Databases and FSUTMS Modeling Systems in the State of Florida*. Phase I Report, Florida Department of Transportation, Research Center and Systems Planning Office.
64. Pendyala, R.M. (2001) *Measuring Day-to-Day Variability in Travel Behavior Using GPS-Based Travel Data*. Final Report, Federal Highway Administration, US Department of Transportation, Washington, D.C.
65. Pendyala, R.M. (2000) *Decision Support Tool to Assess Feasibility of Regional Transit Services Phase II Report*. Submitted to Florida Department of Transportation, Public Transit Office, Tallahassee, FL.
66. Georggi, N.L. and R.M. Pendyala (2000) *An Analysis of Long Distance Travel Behavior of the Elderly and Low Income*. Final Report submitted to Center for Urban Transportation Research, University of South Florida, Tampa, FL.
67. Pendyala, R.M. (1999) *Decision Support Tool to Assess Feasibility of Regional Transit Services Phase I Report*. Submitted to Public Transit Office, Florida Department of Transportation, Tallahassee, FL.
68. Pendyala, R.M. (1999) *Report on Trip Attraction Survey Peer Review Meeting*. Final Report submitted to Florida Department of Transportation District 7, Tampa, Florida.
69. Pendyala, R.M. (1999) *Integrated Land Use – Transportation Modeling*. Final Report submitted to Growth Management Institute, Chevy Chase, Maryland.
70. Pendyala, R.M. (1999) *An Integrated Transit Demand and Supply Model for Short Range Transit Systems Planning*. Final Report submitted to Research Center, Florida Department of Transportation.
71. Pendyala, R.M. (1999) *A Description of Four Products from the Federal Travel Model Improvement Program*. Final Report submitted to Systems Planning Office, Florida Department of Transportation, Tallahassee, FL.
72. Pendyala, R.M. (1998) *An Assessment of Transportation Modeling Needs: Vol I. Passenger Travel Demand Modeling*. Final Report submitted to Research Center, Florida Department of Transportation, Tallahassee, FL.

73. Pendyala, R.M. (1998) *An Assessment of Transportation Modeling Needs: Vol II. Freight Travel Demand Modeling*. Final Report submitted to Research Center, Florida Department of Transportation, Tallahassee, FL.
74. Pendyala, R.M. (1998) *An Assessment of Freight Transportation Modeling Needs: Executive Summary*. Executive Summary of a Final Report submitted to Research Center, Florida Department of Transportation, Tallahassee, FL.
75. Pendyala, R.M. (1998) *Results of Activity-Based Travel Surveys in Volusia and Dade Counties*. Phase II Report submitted to Research Center, Florida Department of Transportation, Tallahassee, FL.
76. Polzin, S.E., R.A. Stasiak, R.M. Pendyala, and P. Turner (1998) *Paratransit Productivity Enhancement Through Service Simulation*. Final Report submitted to Florida Department of Transportation, Research Center, Tallahassee, FL.
77. Pendyala, R.M. (1997) *Activity-Based Travel Survey Methodology and Design*. Phase I Report submitted to Florida Department of Transportation, Research Center, Tallahassee, FL.
78. Pendyala, R.M. (1996) *A Framework for the Next Generation of Passenger and Freight Transportation Models in the State of Florida: Phase I Report*. Submitted to Florida Department of Transportation, Research Center, Tallahassee, FL.
79. Polzin, S.E., R.M. Pendyala, and R. Stasiak (1996) *Paratransit Productivity Analysis through Service Simulation: Phase I Report*. Submitted to Florida Department of Transportation, Research Center, Tallahassee, FL.
80. Pendyala, R.M. (1996) *An Assessment of Transit Systems Modeling for Florida*. Final Report submitted to Public Transit Office, Florida Department of Transportation, Tallahassee, FL.
81. Pendyala, R.M. (1995) *An Assessment of Transit Systems Modeling for Florida*. Phase I Report submitted to Public Transit Office, Florida Department of Transportation, Tallahassee, FL.
82. Kitamura, R., R.M. Pendyala, and C. Chen (1995) *Activity-Based Model System for Travel Demand Forecasting*. Report submitted to Metropolitan Washington Council of Governments under the Travel Model Improvement Program, U.S. Department of Transportation and U.S. Environmental Protection Agency.
83. Pendyala, R.M., R. Kitamura, and C. Chen (1995) *Task 2: Policy Implications and Data Analysis for Travel Demand Management Strategies*. Report submitted to Federal Highway Administration, Washington, D.C.
84. Kitamura, R., R.M. Pendyala, and C. Chen (1995) *Task 5: Implementation of an Activity-Based Travel Demand Forecasting System in the Washington D.C. Area*. Report submitted to the Metropolitan Washington Council of Governments, Washington, D.C.
85. Stopher, P.R., C. Appfel, A. Ashar, E. Kalivoda, R.M. Pendyala, and R. Reddy (1994) *Defining Performance Measures for an Intermodal Management System*. Final Report submitted to the Federal Highway Administration, Washington, D.C.
86. Budhu, G., R.M. Pendyala, and P.R. Stopher (1993) *Conceptual Framework for Modeling Passenger Travel Demand for the Louisiana Intermodal Transportation Plan*. Phase I Report submitted to Federal Highway Administration and Louisiana Department of Transportation. Louisiana Transportation Research Center, Baton Rouge, LA.
87. Pendyala, R.M. and R. Kitamura (1993) *Causal Analysis in Travel Behavior Research: Results of a Simulation Experiment*. Research Report UCD-ITS-RR-93-17 submitted to University of California Transportation Center. Institute of Transportation Studies, University of California, Davis, CA.

88. Pendyala, R.M., R. Kitamura, and C. Lula (1993) *A Dynamic Analysis of Puget Sound Transportation Panel Data*. Final Report submitted to the Puget Sound Regional Council, Seattle, WA.
89. Pendyala, R.M., K.G. Goulias, and R. Kitamura (1993) *Weights for the Puget Sound Transportation Panel*. Phase I Report submitted to the Puget Sound Regional Council and the Mid-Atlantic University Transportation Center.
90. Pendyala, R.M. and R. Kitamura (1993) *Causal Modeling in Travel Behavior Research Using Simultaneous Equations Systems: A Critical Examination*. Ph.D. Dissertation Series No. UCD-ITSDS-93-1. Institute of Transportation Studies, University of California, Davis, CA.
91. Pendyala, R.M., K.G. Goulias, and R. Kitamura (1991) *Development of Weights for a Choice-Based Panel Survey Sample with Attrition*. Research Report No. UCD-ITS-RR-91-18. Submitted to Puget Sound Council of Governments. Institute of Transportation Studies, University of California, Davis, CA.
92. Golob, T.F. and R.M. Pendyala (1991) *Structural Models of the Effects of the Commute Trip on Travel and Activity Participation*. Working Paper No. UCI-ITS-WP-91-5. Institute of Transportation Studies, University of California, Irvine, CA.
93. Pendyala, R.M. and R. Kitamura (1991) *A Multivariate Locational Analysis of Urban Retail Activity*. Research Report No. UCD-ITS-RR-91-9. Submitted to Takenaka Komuten Co., Japan. Institute of Transportation Studies, University of California, Davis, CA.
94. Pendyala, R.M., K.G. Goulias, and R. Kitamura (1991) *Impact of Telecommuting on Spatial and Temporal Patterns of Household Travel*. Research Report No. UCD-ITS-RR-91-07. Prepared for the California State Department of Transportation. Institute of Transportation Studies, University of California, Davis, CA.
95. Kitamura, R., K.G. Goulias and R.M. Pendyala (1990) *Telecommuting and Travel Demand: An Impact Assessment for State of California Pilot Project Participants*. Research Report No. UCSTRG-RR-90-8. Final report submitted to the California State Department of Transportation. Institute of Transportation Studies, University of California, Davis, CA.
96. Goulias, K.G., R.M. Pendyala, and R. Kitamura (1990) *Updating a Panel Survey Questionnaire*. Research Report No. UCD-TRG-RR-90-14. Prepared for the California Department of Transportation. Institute of Transportation Studies, University of California, Davis, CA.
97. Pendyala, R.M., H. Zhao and R. Kitamura (1989) *Telecommuting and Travel Demand: An Activity Based Impact Assessment*. Research Report No. UCD-TRG-RR-89-2. Phase I report submitted to the California Department of Transportation. Institute of Transportation Studies, University of California, Davis, CA.

HONORS AND AWARDS

- Distinguished Lecture Speaker Series, Department of Civil and Environmental Engineering, Florida International University, Spring 2015
- Transportation Research Board (TRB) Pyke Johnson Award for Best Paper in Planning and Environment, 2013
- Transportation Research Board (TRB) Pyke Johnson Award for Best Paper in Planning and Environment, 2011
- Top Five Percent of Faculty for Teaching Excellence, Ira A. Fulton Schools of Engineering, Arizona State University, 2009
- Annual Award for Outstanding Service and Contribution, Tampa Bay Transportation Planning Applications Group, 2001, 2002, 2003, and 2004
- Mid-Atlantic Universities Transportation Center (MAUTC) Distinguished Lecturer, The Pennsylvania State University, Spring 2003

- ❑ Florida Statewide Transportation Model Task Force Outstanding Leadership Award, Spring 2003
- ❑ Who's Who in Engineering Education (WWE), 2002 Edition
- ❑ University of South Florida ASCE Student Chapter Faculty of the Year Award, 1999-2000
- ❑ Teaching Incentive Program Award, University of South Florida, 1999
- ❑ Marquis Who's Who in Science and Engineering, Fourth Edition, 1998-99
- ❑ First Prize, Florida Section ITE Young Member Paper Competition, 1996
- ❑ International Award of Recognition, 5000 Personalities of the World, Fourth Edition, American Biographical Institute, 1995
- ❑ Joyce E. Yeager Intermodal Research Paper Award, Transportation Research Forum, 1994
- ❑ Faculty Member, Chi Epsilon Honor Society
- ❑ Distinguished Leadership Award, International Directory of Distinguished Leadership, Fifth Edition, American Biographical Institute, 1994
- ❑ Board of Research Advisors, American Biographical Institute
- ❑ Transportation Center Graduate Dissertation Fellowship, University of California, Davis, 1991-1992
- ❑ Non-Resident Tuition Fellowship, University of California, Davis, 1988-1992
- ❑ UC Regents Graduate Scholarship, University of California, Davis, 1989-90 and 1990-91
- ❑ Graduate Student Travel Award, University of California, Davis, 1991
- ❑ First Prize, Best Graduate Student Paper, Transportation Research Forum, 1990
- ❑ National Council of Educational Research and Training Scholarship, India, 1982-1988

PROFESSIONAL AFFILIATIONS

- ❑ Affiliate, Transportation Research Board
- ❑ Member, American Society of Civil Engineers
- ❑ Member, Chi Epsilon Civil Engineering Honor Society
- ❑ Engineer-in-Training (California, No. XE085548)
- ❑ Member, International Association for Travel Behavior Research
- ❑ Member, World Conference on Transport Research Society
- ❑ Member, Institute of Transportation Engineers
- ❑ Member, International Association of Traffic and Safety Sciences
- ❑ Member, World Society for Transport and Land Use Research
- ❑ Member, Board of Advisors, Transportation Research Group of India

PROFESSIONAL ACTIVITIES

- ❑ INTERNATIONAL ASSOCIATION FOR TRAVEL BEHAVIOUR RESEARCH (IATBR)
 - Board Member, 2012-2014; Chair, 2010-2012; Vice-Chair, 2008-2010; Secretary/Treasurer, 2004-2007
 - Conference Chair/Organizer, 12th International Conference of Travel Behaviour Research, Jaipur, India, December 13-18, 2009
 - Member, Conference Scientific Committee, 13th International Conference, Toronto-2012
 - Chair, Workshop on "Beyond the Four-Step Model: Developing Curriculum for Advanced Travel Modeling"
 - Selection panel/jury, Eric Pas Dissertation Prize, 2004, 2006, 2007, 2008
 - Invited Resource Paper Author, Workshop on *Behavioral Implications of Autonomous Vehicles*, IATBR Conference, Windsor, UK, 2015
 - Invited Resource Paper Author, Workshop on *Advances in Activity Analysis*, IATBR Conference, Kyoto, Japan, 2006
 - Invited Resource Paper Author, Workshop on *Standards for Archiving Travel Behaviour Survey Data*, IATBR Conference, Lucerne, Switzerland, 2003

- Invited Resource Paper Author, Workshop on *Freight Travel Demand Modeling*, IATBR Conference, Gold Coast, Australia, 2000
- Discussant and Rapporteur, Workshop on *Microsimulation of Activities in Networks*, IATBR Conference, Austin, 1997
- EDITORIAL ADVISORY BOARD, *TRANSPORTATION* (SPRINGER JOURNAL), 1997-2011
 - Initiated and coordinated collaborative *Transportation Research Board - Transportation Annual Special Issue on Travel Behavior Research*, 2005-2009
 - Guest Editor, Special Issue on *Multi-dimensional Advances in Travel Modeling*, 2011
 - Guest Editor, Special Issue on *The Rapid Motorization of Asia: Implications for the Future*, 2007
 - Guest Editor, Special Issue on *Intra-household Interactions & Group Decision Making*, 2005
 - Guest Editor, Special Issue on *Time Use and Activity Perspectives*, 2002
- ASSOCIATE EDITOR, *TRANSPORTATION RESEARCH PART D* (ELSEVIER), 2015-present
- NORTH AMERICA AREA EDITOR, *TRANSPORT REVIEWS* (TAYLOR & FRANCIS), 2002-2015
- EDITORIAL ADVISORY BOARD MEMBER
 - *Accident Analysis and Prevention*, 2013-present
 - *International Association of Traffic and Safety Sciences (IATSS) Research Journal*, 2008-present
 - *International Journal of Choice Modeling*, 2007-present
 - *Transportation Letters: The International Journal of Transportation Research*, 2007-present
 - *Transportation in Developing Economies*, 2014-present
 - *The Open Transportation Journal* (Bentham), 2008-present
 - *Advances in Civil Engineering* (Hindawi), 2008-present
 - *Scientific Journals International, Journal of Civil Engineering*, 2007-present
- TRANSPORTATION RESEARCH BOARD
 - Group Leadership
 - Chair, Planning and Environment Group, AD000, 2015-2018
 - Section Leadership
 - Chair, Section on Travel Analysis Methods, ADB00, 2009-2015
 - Committee Leadership
 - Chair, Committee on Traveler Behavior and Values, ADB10, 2003-2009
 - Co-Chair, Special Committee on Travel Forecasting Resources, ADB45, 2009-2015
 - Chair, Conference Organizing Committee, Integrated Corridor Systems Management Modeling Best Practices, Irvine, CA, 2008-2009
 - Conference Lead and Host/Organizer, Conference Organizing Committee, 3rd Conference on Innovations in Travel Modeling, Tempe, AZ, 2009-2010
 - Chair/Coordinator, Doctoral Student Seminar on Transportation Modeling, 2009 – 2016
 - Subcommittee Leadership
 - Chair, Time Use and Activity Patterns, ADB10(1), 1998-2004
 - Chair, International Travel Behavior, ADB10(3), 2010-2012
 - Committee Member
 - Traveler Behavior and Values, ADB10, 1997-2009
 - Transportation Demand Forecasting, ADB40, 1994-2009
 - Telecommunications and Travel Behavior ADB20, 1994-2001, 2006-2009
 - Task Force on Moving Activity Based Approaches to Practice, ADB60T, 2003-2008
 - Workshop Moderator and Planning Committee, *Regional Planning and Modeling Implications of Driverless Cars*, Autonomous Vehicle Symposium, San Francisco, CA, 2014
 - Workshop Planning Committee Member, *Implications of Autonomous Vehicles for Transportation Planning*, Autonomous Vehicle Symposium, Ann Arbor, MI, 2015

- Conference Organizing Committee and Judge, *Integrating Supply-Chain Models and Data into Public-Sector Freight Demand Modeling*, SHRP2 Project C43 Symposium, 2013
- Conference Organizing Committee and Judge, *Innovations in Freight Demand Modeling and Data*, SHRP2 Project C20 Symposium, 2010
- Conference Organizing Committee, *National Household Travel Survey User Conference*, 2003-2004
- Conference Planning Committee, *Innovations in Travel Modeling (ITM)*, 2005-2006, 2011-2012, 2013-2014, and 2015-2016
- Ad-hoc Task Force on *Transportation Research Record* Publication, 2005-2008
- Expert/Review Panel Member
 - National Cooperative Highway Research Program (NCHRP) 8-36/Task 90: Best Practices in the Use of Microsimulation Models, 2009-2010
 - Strategic Highway Research Program 2 (SHRP2) L04: Incorporating Reliability Performance Measures in Operational and Planning Modeling Tools, 2008-2009
 - Transferability of Travel Model Data and Parameters (FHWA and TRB), December 16, 2004
 - TCRP Synthesis SH-06: Easy-to-Apply Fixed Route Transit Ridership Forecasting and Service Planning Methods, 2005-2006
- Committee Friend and Paper Reviewer
 - Travel Survey Methods, ABJ40
 - Urban Data and Information Systems, ABJ30
 - Transportation Planning Applications, ADB50
 - Transportation Network Modeling, ADB30
 - Freight Transportation Planning and Logistics, AT015
 - Freight Transportation Data, ABJ90
 - Statistical Methodology & Statistical Computer Software in Transportation Research, ABJ80
- Chair/Organizer/Moderator of ~50 Annual Meeting Sessions (1992-2015) on:
 - Activity Based Analysis of Travel Behavior
 - Telecommunications and Travel Behavior
 - Travel Survey Methods and Data Analysis
 - Time Use Research
 - Transportation-Land Use Form, Travel Behavior, and Public Health
 - Microsimulation of Activity-Travel Patterns
- Chair/Co-organizer of TRB Annual Meeting Workshops
 - Doctoral Student Seminar on Transportation Modeling, 2009 – 2016
 - Activity-Travel Behavioral Impacts and Travel Demand Modeling Implications of Driverless Cars, 2013
 - The Next 50 Years in Travel Analysis: What We Don't Know but Need to Know, 2013
 - Integration of Demand and Supply Models, 2007
 - Activity-Based Models Under Development, 2007
 - Transferability of Household Travel Survey Data, 2006
 - Coast-to-Coast Tutorial on Activity-Based Models, 2006
 - Moving Activity Based Approaches to Practice, 2005
 - Microsimulation Methods for Travel Demand Forecasting, 2005
 - Transportation Infrastructure and Public Health, 2005
- AMERICAN SOCIETY OF CIVIL ENGINEERS
 - Member, Transportation and Development Institute (T&DI) Congress Scientific Committee, 2013-2014
 - Control Group Member, Planning & Economics Committee, Transportation and Development Institute, 1999-present
 - Member, Advanced Technology Committee, Transportation and Development Institute, 1999-2008
 - Member, Infrastructure Management Committee, Transportation and Development Institute, 1999-2008
 - Control Group Member, Land Use Committee, Transportation and Development Institute, 1999-2008

- Member, Steering Committee, Conference on Transportation, Land Use & Air Quality, Portland, Oregon, 1997-1998
- Member, Organizing Committee, Louisiana Section Spring Meeting, Baton Rouge, LA, 1993
- Secretary, Louisiana Section ASCE, Acadiana Branch, 1993-1994
- Conference Session Chair
 - Transportation Safety and Operations, *Transportation and Traffic Studies*, Guilin, China, 2002
 - Data Collection and Analysis, *Transportation, Land Use, and Air Quality*, Portland, 1998
 - Transportation and Land Use, *Transportation Congress*, San Diego, 1995
 - Transportation Planning in the 1990's, *Louisiana Section Spring Meeting*, Baton Rouge, 1993
- INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES (INFORMS)
 - Member, Award Committee for Transportation Science and Logistics Section Dissertation Prize, 2010
- INTERNATIONAL ROAD FEDERATION (IRF)
 - Member, Scientific Committee
 - 1st IRF Europe & Central Asia Regional Congress, October 2015
 - 4th IRF Caribbean Regional Congress, May 2015
 - 17th IRF World Meeting and Exhibition, Riyadh, Saudi Arabia, 2013
 - IRF Webinar Panelist, *Climate Change and Transportation*, August 28, 2013
 - Member, Selection Panel/Jury, Global Road Achievement Awards (GRAA), 2010, 2012, 2013, 2015
 - One-day Workshop on *Environment and Climate Change and Their Impacts on Road Transport*, Cordoba, Argentina, October 22, 2012
 - Coordinator of Arizona State University Institutional Membership, 2007 – 2014
- CO-CHAIR (CO-ORGANIZER), SYMPOSIA ON NEXT GENERATION INFRASTRUCTURE, 2011 – 2014
 - Organized International Symposia on Next Generation Infrastructure (ISNGI): The University of Wollongong (2013 Host) and University College-London (2014 Host)
- CO-CHAIR (CO-ORGANIZER), FIRST INDO-US SYMPOSIUM ON ADVANCES IN MASS TRANSIT AND TRAVEL BEHAVIOUR RESEARCH, INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI, FEBRUARY 12-15, 2008
 - Funding secured from the Indo-US Science and Technology Forum
- CHAIR (ORGANIZER), FIRST INTERNATIONAL SYMPOSIUM ON ADVANCES IN TRANSPORT SUSTAINABILITY, ARIZONA STATE UNIVERSITY, TEMPE, AZ, NOVEMBER 17-19, 2011
 - Co-sponsored by the International Road Federation, Transportation Research Board, Association of Transportation Professionals of Indian Origin, and International Association for Travel Behaviour Research
- INTERNATIONAL CONFERENCE SERIES ON *TRANSPORT SURVEY QUALITY AND INNOVATION*
 - Resource Paper Author (invited), Multiday and Multiperiod Data, Eibsee, Germany, 1997
 - Discussant (invited), Qualitative Data Collection Workshop, Eibsee, Germany, 1997
 - Chair (invited), Time Use and Activity Surveys Workshop, Kruger Park, South Africa, 2001
 - Chair (invited), Behavioral Process Data Workshop, Los Suenos, Costa Rica, 2004
- NSF PROPOSAL REVIEW PANEL/REVIEWER
 - *Civil Infrastructure Systems*, 2016
 - *Methodology, Measurement, and Statistics Program*, 2011
 - *Information and Communications Systems for Surface Transportation*, 2003
 - *International Programs*, 2001-2003
- Book REVIEWER
 - Garber, N. and L. Hoel, 2011, *Traffic and Highway Engineering*, Fourth Edition, CENGAGE Learning
 - Ortuzar, J and L. Willumsen, 1998, *Modelling Transport*, Proposed Third Edition, John Wiley & Sons, NY

- Richardson, A., E. Ampt, and A.H. Meyburg, 1998, *Survey Methods for Transport Planning*, Proposed Second Edition, John Wiley & Sons, NY
- Mannering, F.L., W. Kilareski, and S. Washburn, 2003, *Principles of Highway Engineering and Traffic Analysis*, Proposed Third Edition, John Wiley & Sons, NY

□ SPECIAL INVITATIONS

- *Peer Review Panel for Activity-Based Travel Model Development*, Baltimore Metropolitan Council, Baltimore, MD, 2014, 2016
- *Peer Review Panel, FHWA Exploratory Advanced Research Program (EAR) Project, Agent-Based Approach for Integrated Driver and Traveler Behavior Modeling*, University of Maryland, November 2015
- *SHRP2 Implementation Planning Workshop on Integrated Models of Activity-Travel Demand and Time-Sensitive Networks (C10)*, Federal Highway Administration, Washington, D.C., February 2014
- *SHRP2 Implementation Planning Workshop on Freight Demand Modeling and Data Improvement Strategic Plan (C20)*, Federal Highway Administration, Washington, D.C., November 2013
- *Peer Review Panel, VASTO - Evolutionary Agent System for Transportation Outlook*, FHWA Exploratory Advanced Research Program, US Department of Transportation, 2011-2014
- *Peer Review Panel for Illinois High Speed Rail Forecast*, Illinois Department of Transportation, University of Illinois at Chicago, 2012
- *Workshop on Integrating Discrete Choice Models with Revenue Management Applications*, Georgia Institute of Technology, Atlanta, GA, 2012
- *Member, Caltrans Peer Review Committee, California Statewide Freight Forecasting Model (CSFFM)*, University of California at Irvine, July 2012
- *Editorial Advisory Board, Data Science and Simulation in Transportation Research*, IGI Global, 2012-2014
- *Workshop on Travel Choices Modeling*, Federal Highway Administration, Northwestern University, Evanston, IL, 2011
- *Advanced Travel Model Development Expert Panel*, Portland Metro, Portland, Oregon, 2011
- *Chair, Panel on Land Use and Travel Behavior*, University of California at Davis, Institute of Transportation Studies 20th Anniversary Symposium, Davis, CA, 2011
- *Peer Review Panel for Project on Integration of the MORPC Tour-Based Travel Demand Model with TRANSIMS*, Federal Highway Administration – US Department of Transportation and Ohio Department of Transportation, Columbus, Ohio, 2010
- *Advanced Travel Model Development Expert Panel*, Portland Metro, Portland, Oregon, 2009
- *Expert Panel for Review of Pricing Policy Models*, Southern California Association of Governments, Los Angeles, California, 2009
- *Advanced Travel Model Development Expert Panel*, Chicago Metropolitan Agency for Planning, Chicago, IL, 2008
- *Travel Demand Modeling Methods for Analyzing Impacts of Road Pricing Schemes*, U.S. Department of Transportation, Office of the Secretary, Alexandria, VA, 2005
- *The Application of GPS Technology for Modeling Travel Demand in Time and Space*, Federal Highway Administration, University of California at Santa Barbara, CA, 2005
- *Integration of Travel Demand Models for Regional Planning*, Florida Department of Transportation District 7, Tampa, FL, 2005
- *Planning and Modeling Non-Motorized Modes of Transportation*, Florida Department of Transportation District 7, Tampa, FL, 2005
- *Proposal Review Committee, Texas Higher Education Competitive Research Grant Program*, Texas Higher Education Board, 2001
- *Statewide Freight Transportation Planning*, Florida Department of Transportation Systems Planning Office, Tallahassee, FL, 2000
- *Member, Expert Review Panel on Hillsborough County Major Investment Study for Light Rail Transit System: Modeling Methodology and Ridership/Revenue Forecast*, Hillsborough County Metropolitan Planning Organization, Tampa, March 1998
- *TRANSIMS Methodology and Activity-based Travel Demand Modeling Systems*, Los Alamos National Laboratory, Los Alamos, New Mexico, 1997

- INSTRUCTOR/ORGANIZER: WEBINARS, SHORT COURSES, AND CONTINUING EDUCATION
 - Executive Workshop on Activity-Based Modeling of Transport Demand and Networks
 - Tongji University, Shanghai, July 9-10, 2016
 - Transportation Research Group of India, Kolkata, India, December 16, 2015
 - Arizona State University
 - Organizer and Instructor: *Generation of Synthetic Populations for Activity-Based Travel Demand Modeling: PopGen Hands-on Computer-Based Training Workshop*, Arizona State University, May 14-15, 2010; November 3, 2009
 - Organizer and Instructor: *Generation of Synthetic Populations for Activity-Based Travel Demand Modeling: PopGen*, Webinar, June 25, 2009
 - University of South Florida, Tampa
 - Organizer and Instructor: *Travel Demand Modeling Methods – I* (March 11-15, 2003)
 - Organizer: *Transportation Network Analysis* (Instructor: Robert Dial) (August 11-15, 2003)
 - Florida Department of Transportation
 - Organizer and Instructor: *Innovative Approaches to Travel Demand Modeling: Activity Based Approaches*, Fort Lauderdale (May 30) and Tampa (May 31), 1996
 - Organizer: *Transportation and Land Use Modeling*, Computer Workshop, Tampa, October 20-21, 2002
 - Organizer and Instructor: *Advanced Transit Modeling Methods*, Tampa, April 11, 2004
 - Organizer: *Tampa Bay Regional Planning Model Version 5*, June 9-10, 2005
 - *Regular guest instructor at numerous FDOT Travel Demand Modeling Workshops and Short Courses*, 1995-2006 (at least 3 guest appearances per year)
 - Visiting Professor, Institute of Transport Studies, Universität für Bodenkultur, Vienna, Austria, 2004
 - Transportation Planning Methods in the United States (June 10-17, 2004)
 - Advanced Travel Demand Modeling Methods (June 20-24, 2004)

- OTHER CONFERENCE/WORKSHOP ACTIVITIES
 - Member, Program Committee, *First International Workshop on Agent Based Modelling of Urban Systems*, Singapore, May 2016
 - *World Conference on Transport Research Society (WCTRS)*
 - Chair, Session on *Activity and Location Models (in memory of Eric Pas) – Activity Models I*, Antwerp, Belgium, July 1998
 - Co-Chair, Travel Survey Methods and Data Collection track, Berkeley, California, June 2007
 - Deputy Topic Area Manager, Activity and Transport Demand Analysis (Track D), Lisbon, Portugal, July 2010
 - *Arizona Town Hall*
 - Invited Chapter Author and Participant, 94th Arizona Town Hall - From Here to There: Transportation Opportunities for Arizona
 - Advisory Committee Member, *Seventh International Symposium on Travel Demand Management*, Tucson, AZ, 2014-2015
 - Member, Organizing Committee, *Arizona Pavements/Transportation Conference*, 2007-2014
 - Organized Transportation/Traffic Track Sessions for 2007 and 2009 conferences
 - *International Conference on Infrastructure, Sustainable Transportation, and Urban Planning (CISTUP)*, Indian Institute of Science, Bangalore, India, October 2010
 - Member, International Steering Committee
 - *International Conference Series of the Transportation Research Group of India*
 - Member, International Steering Committee, 2011 (Bangalore), 2013 (Agra), 2015 (Kolkata)
 - *Applications of Advanced Technologies in Transportation (AATT) Conference*
 - Member of Conference Scientific Committee, Athens, Greece, May 2008
 - *Transport Science and Technology Congress (TRANSTEC)*
 - Member of organizing committee and session chair/moderator, Athens, Greece, September 2004
 - Invited keynote speaker at opening plenary session, Athens, Greece, September 2004

- Member of Organizing/Steering Committee, New Delhi, India, April 2010
 - *International Conference on Transportation Planning Methods for Developing Countries (TPMDC), Indian Institute of Technology-Bombay, Mumbai, India*
 - Member, International Steering Committee, 2008 – present
 - *Time Use Observatory (TUO), Chile*
 - Member, Conference Organizing Committee, 2009-2013
 - Invited keynote speaker, Termas de Jahuel, Chile, March 2010
 - Invited workshop chair and speaker, Santiago, Chile, March 2012
 - International Conference on *Progress in Activity Based Analysis*, Maastricht, The Netherlands, May 2004
 - Member of organizing committee and session chair/moderator
 - Invited keynote speaker at opening plenary session
 - Co-chair, *Workshop on Models of Activity Engagement and Travel Behavior, Travel Model Improvement Program Conference on Activity-Based Forecasting*, U.S. Department of Transportation, New Orleans, June 1996
- FLORIDA STATEWIDE MODEL TASK FORCE, 1995-2006
 - Member, Executive Board
 - Chair, Blue Ribbon Panel of National Experts on *Enhancement of the Florida Standard Model Structure for the New Millenium*, 2002-2003
 - Member, Land Use Modeling Committee
 - Member, Transit Modeling Committee
 - Member, Freight Modeling Committee
 - Member, Trip Generation Modeling Committee
 - Member, Trip Distribution Modeling Committee
 - Member, GIS Applications in Transportation Modeling Committee
 - Presentations at Florida Statewide Model Task Force and Committee Meetings (~5 presentations per year)
 - Contributing Author, *Florida Transportation Modeling Newsletters* (20+ articles)
 - Systems Planning Office, Tallahassee
 - Tampa Bay Transportation Planning Applications Group
 - Northeast Florida FSUTMS Users Group
 - Central Florida FSUTMS Users Group
 - Southwest Florida FSUTMS Users Group
- BOARD MEMBER AND USF LIAISON, TAMPA BAY TRANSPORTATION PLANNING APPLICATIONS GROUP, 1996-2006
- ASSOCIATION OF TRANSPORTATION PROFESSIONALS OF INDIAN ORIGIN (ATPIO)
 - President, 2010-2011; Vice President, 2008-2010
 - Organizer and Host of ATPIO Webinars
 - Member, Executive Board, 2005-2012
- US – INDIA CONSORTIUM OF TRANSPORTATION PROFESSIONALS
 - Director, Professional and Technical Activities, 2005-2008
- REVIEWER
 - *Accident Analysis and Prevention*
 - *Transportation Research Record, Journal of the Transportation Research Board*
 - *Transportation*
 - *Transportation Science*
 - *Transport Policy*
 - *Environment and Planning A, B*
 - *Journal of Retailing and Consumer Services*
 - *Journal of Public Transportation*

- *Transport Reviews*
 - *Transportation Letters*
 - *Transportmetrica*
 - *Journal of Advanced Transportation*
 - *Journal of Transport Geography*
 - *International Journal of Choice Modeling*
 - *Journal of Transport and Land Use*
 - *Transportation Research A, B, C, D*
 - *Journal of Transport Economics and Policy*
 - *ASCE Journal of Transportation Engineering*
 - *ASCE Journal of Urban Planning and Development*
 - *ASCE Journal of Computing in Civil Engineering*
 - *Computers, Environment, and Urban Systems*
 - *IATSS Research*
 - *Research in Transportation Economics*
 - *Journal of Transportation and Statistics*
 - *International Journal of Modeling and Simulation*
 - *International Journal of Geographical Information Science*
 - *International Journal of Operations and Quantitative Management*
 - *Kuwait Journal of Science and Technology*
 - *Advances in Transportation Studies*
 - *Electronic International Journal of Time Use Research*
 - *International Symposium on Transportation and Traffic Theory (ISTTT)*
 - *World Conference on Transport Research Society (WCTRS)*
 - *International Association for Travel Behaviour Research (IATBR)*
 - *Scientia Iranica, International Journal of Science and Technology*
 - Transportation Research Board Specialty Conferences
 - Purdue University NEXTRANS Transportation Center Proposals
 - Oregon Transportation Research and Education Consortium (OTREC) Proposals
 - University of Florida Transportation Center Proposals
 - University of California Transportation Center Proposals
 - National Sciences and Engineering Research Council (NSERC) Proposals, Canada
 - FONDECYT Proposals, National Commission for Scientific and Technological Research (CONICYT), Chile
 - Research Foundation Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO) Proposals
 - Marsden Fund Proposals, The Royal Society of New Zealand
 - External Examiner/Reviewer for Ph.D. Dissertations
 - Hejun Kang, McMaster University
 - Matthew Roorda, University of Toronto
 - Asif Ahmed, University of Sydney
 - External Reviewer for numerous tenure and promotion cases for institutions around the world
- CENTER FOR URBAN TRANSPORTATION RESEARCH, UNIVERSITY OF SOUTH FLORIDA
 - Author, *CUTRlines* Quarterly Newsletter Articles, 2004-2006
 - Professional Consulting Activities
 - *Consultant*: Second SHRP2 Freight Modeling and Data Innovation, Project C43, 2013-2014
 - *Expert Consultant*: Development of a Citizens Report Card for Bus Rapid Transit Services in Pune, India: Travel Survey and Design. World Bank, Washington, D.C., 2008-2010
 - *Principal Researcher*: Development of New Travel Demand Modeling Systems for Switzerland. Swiss Ministry of Transport, 2002-2006 (for Jenni+Gottardi Consultants, Zurich, Switzerland)

- *Principal Researcher*: Development and Implementation of TAMOS, An Activity-Based Travel Forecasting System with Vehicle Transactions. California Energy Commission, 1995-1997 (for Resource Decision Consultants, Inc., San Francisco, CA)
 - *Principal Researcher*: Development and Implementation of AMOS, An Activity-Based Modeling System for Travel Demand Forecasting. Travel Model Improvement Program Track B, U.S. Department of Transportation and U.S. Environmental Protection Agency, 1993-1995 (for Resource Decision Consultants, Inc., San Francisco, CA)
 - *Principal Researcher*: Development of Dynamic Models of Activity and Travel Demand for the Puget Sound Region using the Puget Sound Transportation Panel Data. Puget Sound Regional Council, 1993 (for Resource Decision Consultants, Inc., San Francisco, CA)
- In the Media
- *DPS: 2 Dead in Third Wrong-Way Crash in 6 Days*, CBS 5 News Phoenix, May 18, 2014
 - *Arizona Shielded from California-style Spike in Gasoline Prices*, Cronkite News Online, October 9, 2012
 - *Survey to Help University Predict Traffic Patterns*, ASU State Press, April 17, 2012
 - *Lawmakers Consider Banning Texting While Driving*, ASU State Press, March 28, 2011
 - *Horizon, Channel 8 PBS, Discussion on Photo Radar in Arizona*, September 9, 2010
 - *Professor Helps Predict Transit's Future*, ASU State Press, September 22, 2010
 - *Tempe Transit Services Face Chopping Block Amid Cuts*, The Arizona Republic, April 10, 2010
 - *New Transit Plan May Call for New Sources of Funding*, The Arizona Republic, December 9, 2007
 - *Light Rail Could Fuel Apache Blvd Renewal*, The Arizona Republic, January 21, 2008
 - *Funds for New Arizona Roads Declining, Report: By 2015, Much of Arizona Will be Limited to Upkeep*, The Arizona Republic, April 28, 2008
 - *Traffic Congestion Worsens, but Relief is No Cheap or Easy Task*, The Arizona Republic, May 31, 2008
 - *Arizona Planning Transit, Roads to Ease Congestion*, The Arizona Republic, June 1, 2008
 - *Arizona to Hold Summit, Discuss Solutions for Gas Prices*, ABC 15 News, June 20, 2008
 - Also appeared on Channel 12 News Broadcast at 5 PM
 - *Arizona Summit Focuses on Oil Solutions*, The Arizona Republic, June 25, 2008
 - *Drivers Shun Alternate Routes*, Pittsburgh Tribune-Review, July 21, 2008
 - *Lighting Up Tempe's Hopes for the Future: Students, Businesses Look Forward to Light Rail Launch*, The Arizona Republic, October 28, 2008
 - *Today's Light Rail System Opening Marks Milestone for Valley*, The Arizona Republic, December 27, 2008

PROFESSIONAL TRAINING AND CONTINUING EDUCATION

- Professor Training Course in Asphalt Technology, Pavement Materials, Pavement Design, and Superpave, National Center for Asphalt Technology, Auburn University, Alabama, Summer 1994
- NSF Workshop on Innovations in Undergraduate Engineering Education, Colorado, 1998
- University of South Florida College of Engineering Workshops
 - Workshop on Active and Cooperative Learning in Engineering Classes, 1997
 - Workshop on Mentoring Junior Faculty in Colleges of Engineering, 1998
 - Workshop on Writing Across the Curriculum, 1999
- Florida Department of Transportation Workshops
 - Travel Demand Modeling – Basic, Summer 1995
 - Travel Demand Modeling – Intermediate, Summer 1996
 - Travel Demand Modeling – Advanced, Summer 1997
 - Travel Demand Modeling – Public Transit Systems, Summer 1998
 - GIS Applications in Transportation Modeling, Summer 1998
 - VISSIM Traffic Simulation Workshop, Fall 1998
 - Freight Travel Demand Modeling, Summer 1999
 - Travel Demand Modeling – Calibration and Validation, Summer 2000
 - TransCAD (www.caliper.com) Software Workshop, Fall 2003

- Cube/Voyager (www.citilabs.com) Software Workshop, Fall 2003
- VISUM (www.ptvamerica.com) Software Workshop, Fall 2003
- EMMIE/2 (www.inro.ca) Software Workshop, Fall 2003
- Advances in Public Transit Systems Modeling, Spring 2004

STUDENT ADVISING

No.	Committee Chair/Advisor		Committee Member	
Ph.D.				
1	Rongfang Liu	1996	Edward A. Mierzejewski	1996
2	Sujeeva Anu Weerasuriya	1998	Yanhu Zhou	1999
3	Arun R. Kuppam	1999	Sunanda Dissanayake	1999
4	Mark Burris	2001	Ahmad Aburahmah	2000
5	Philip Stevens	2006	Nishantha Bandara	2000
6	Xin Ye	2006	Huaguo Zhou	2001
7	Amlan Banerjee	2006	Xiaoyu Mei	2001
8	Oliver Page	2006	Xiaokuan Yang	2001
9	Karthik Konduri	2012	Jaehyun Park	2003
10	Sanjay Paul	2013	Mohammed Mallah	2003
11	Venu Madhav Garikapati	2014	Juan Pernia	2004
12	Daehyun You	2014	Jidong Yang	2004
13	Sarah E. Volosin	2014	Pan Liu	2006
14	Seyed Ali Etezady	IP	Yuhwa Lee	2006
15	Daejin Kim	IP	Mohamed Halaweh	2006
16	—	—	Fatih Princcioglu	2007
17	—	—	Duminda Randeniya	2007
18	—	—	Abdul R Pinjari (UT-Austin)	2008
19	—	—	Sisinnio Concas	2010
20	—	—	Zuduo Zheng	2010
21	—	—	Ipek Sener (UT-Austin)	2010
22	—	—	Seo Youn Yoon (UC Santa Barbara)	2010
23	—	—	Rajesh Paleti (UT-Austin)	2012
24	—	—	Srinath Ravulaparthi (UC Santa Barbara)	2013
25	—	—	Ning Wang	2013
26	—	—	Srivatsav Kandala	2014
27	—	—	Susan Hotle	2015
28	—	—	Paulina Reina	2015
29	—	—	Denise A. Smith	--
M.S. (Thesis Students Only)				
1	Venkat Vattikuti (Project option)	1995	Weimin Huang	1996
2	Daniel Rhodes (Project option)	1995	Michael Rechterik	1996
3	Ravikanth Gollapudi	1996	Nishantha Bandara	1997
4	Jesus Gomez	1997	Xiangju Dai	1997
5	Sai S. Mallena	1997	Juan Pernia	1997
6	Madhuri Korimilli	1997	Bo Gao	1998
7	Gerry Harter	1997	Sridevi Mullapudi	1998
8	Vikash Palisetti	1998	Hua Tan	1998
9	Mohan A.V. Gollakoti	1998	Zhenyu Lou	1999
10	Benjamin Walker	1998	Min Zhou	1999
11	Pramod Chakravarty	1999	Xuwen Le	1999
12	Lalit Yalamanchili	1999	Suresh Lankalapalli	2000
13	N. Prabakaran	1999	Mathew Wey	2000
14	Sachin Gangrade	2000	Lei Xu	2000
15	Krishnan Kasturirangan	2000	Zhuo Yu	2000
16	Sridhar Sunkanapalli	2000	Deborah Snyder	2000
17	Alasdair Cain	2000	Elizabeth Birriel	2000
18	Srikant Rachakonda	2000	M.A. Wasantha Kumara	2001

19	Jason Collins	2000	Chongkang Zhu	2001
20	Ravikanth Peddu	2000	Xiangli Xie	2001
21	Stacy Burgess	2000	Nelson Castillo	2001
22	Sachithananda Navari	2002	Shitao Gu	2002
23	Govardhan Reddy Muthyalagari	2002	Ivan Sokolic	2003
24	Abhishankar Parashar	2002	Haolei Peng	2004
25	Gummada Murthy	2002	Fengxuan Hu	2004
26	Srinivas Meka	2003	Jingjing Fan	2004
27	Ingrid Birenbaum	2003	Hongzhi Wang	2005
28	Liren Zhou	2004	Cuthbert Gibson	2005
29	Ravi Kiran Gorti	2004	Srinath Ravulaparthi	2007
30	Srikalyan Challa	2004	Manasa Rayabhari	2008
31	Ashish Agarwal	2004	Tingting Ma	2009
32	Ram Swaroop Nehra	2004	Dae Hyun You	2010
33	Constantinos Tringides	2004	Sravani Vadlamani	2010
34	Siva S. Jonnavithula	2004	Ankit Bansal	2012
35	Abdul Rawoof Pinjari	2004	Sebastian Astroza (Universidad de Chile)	2012
36	Srikanth Vaddepalli	2004	Matthew Nahlik	2014
37	Lavenia Toole-Holt	2004	Andrew Fraser	2014
38	Xin Ye	2004	Jeffrey Ultee	2015
39	Anurag Komanduri	2006	—	—
40	Harkanwal Singh	2006	—	—
41	Naved Siddiqui	2006	—	—
42	Bhargava Sana	2010	—	—
43	Sarah E. Ziems	2010	—	—
44	Jothan Samuelson	2011	—	—
46	Rumpa Rani Dey	2012	—	—
47	Keith P. Christian	2013	—	—
Undergraduate Honors Thesis				
1	Benjamin Walker	1996	Bobby Cottam	2011
2	Michael Raysor	1999	Amelia Celozza	2012
3	—	—	Jon Serfilippi	2012
4	—	—	Matthew Nahlik	2013
Post-doctoral Research Scholars				
1	Venu M. Garikapati	2015-		
2	Daehyun You	2015-16		

COURSE INSTRUCTOR

Institution	Course Name	Number of Times Taught (approx)
Georgia Institute of Technology (2014-2016)	Graduate	
	Activity-Travel Behavior Modeling	1
	Undergraduate	
	Transportation Planning and Design	1
Arizona State University (2006-2014)	Graduate	
	Transportation Systems Planning	2
	Transp Survey Data Collection & Analysis	3
	Activity-Travel Behavior Modeling	4
	Public Transportation Planning/Design	1
	Undergraduate	
	Transportation Engineering	5
Numerical Methods for Engineers	5	
Intro to Civil Engineering (Freshman)	4	

University of South Florida (1994-2006)	Graduate	
	Transportation Planning & Economics	7
	Transp Data Collection & Analysis	3
	Travel Demand Modeling	6
	Discrete Choice Modeling of Travel Beh	4
	Graduate Transportation Seminar	10
	Undergraduate	
	Transportation Engineering I	10
	Transportation Engineering II	8
Foundations of Engineering (Freshman)	1	
University of Louisiana at Lafayette (1992-1994)	Graduate	
	Transportation Systems Planning	1
	Undergraduate	
	Introduction to Engineering (Freshman)	3
	Transportation Engineering	3

AWARDS RECEIVED BY STUDENTS

No.	Name of Student	Role	Award and Organization	Time Period	Amount
9	Venu M. Garikapati	Advisor	Arizona State University Conference Travel Grant	2014	\$1,000
8	Dae Hyun You	Advisor	Arizona State University Conference Travel Grant	2014	\$1,000
7	Rumpa Rani Dey	Advisor	Schlumberger Foundation Faculty for the Future Fellowship	2012-2013	\$50,000 per year
6	Sarah E. Volosin	Advisor	Graduate Scholarship, Phoenix Chapter of Women's Transportation Seminar (WTS)	2012	\$3,000
5	Sarah E. Volosin	Advisor	Dwight D. Eisenhower Graduate Fellowship, US Department of Transportation	2012-2013	\$5,000
4	Keith P. Christian	Advisor	Dwight D. Eisenhower Graduate Fellowship, US Department of Transportation	2011-2013	\$62,300
3	Sarah E. Volosin	Advisor	Graduate Scholarship, Phoenix Chapter of Women's Transportation Seminar (WTS)	2011	\$3,000
2	Sarah E. Volosin	Advisor	Best Graduate Student Paper, Arizona Section of Institute of Transportation Engineers (AzITE)	2011	\$1,000
1	Sarah E. Volosin	Advisor	Dwight D. Eisenhower Graduate Fellowship, US Department of Transportation	2009-2011	\$62,300

INSTITUTIONAL SERVICE ACTIVITIES

GEORGIA INSTITUTE OF TECHNOLOGY

School of Civil and Environmental Engineering Service

- Member, Transportation Faculty Search Committee (City and Regional Planning), 2014-2015
- Member, Statutory Advisory Committee, 2015-2016

ARIZONA STATE UNIVERSITY

University Service

- Faculty Mentor, Obama Scholar Program, 2010-2012
- Member, University-wide Promotion and Tenure Committee, 2007-2010
- Global Institute of Sustainability, Member – Urban Sustainability Group, 2010-2013
- Special Activities
 - Member, Promotion and Tenure Panel, Faculty Women's Association (February 9, 2011; Jan 30, 2013)
 - Member, Promotion and Tenure Panel, Preparing Future Faculty (April 15, 2011; April 13, 2012)
 - Invited Speaker, International Teaching Assistant Orientation (August 16, 2011; August 21, 2012)

- Invited Panelist, Sustainability Events – Case Critical: *Are High Gas Prices Here to Stay?* April 13, 2012
- Invited Speaker, *Scholars Without Borders: Open Access Publications*, ASU Libraries, March 15, 2012
- Participated in Video – *Research Matters: Engineering Transportation*, June 2011 (<http://researchmatters.asu.edu/videos/engineering-transportation>)
- Participated in Video – Submitting a Research Proposal, ASU Office of Knowledge Enterprise Development (<http://researchadmin.asu.edu/faculty-toolbox/proposals>), October 2011
- Participated in Video – Why Research Matters (https://asunews.asu.edu/20120313_video_research_matters), March 2012

Ira A. Fulton Schools of Engineering Service

- Member, Dean’s Executive Committee, 2011-2014
- Member, Search Committee-Associate Dean for Research, 2011
- Member, Research Advisory Group, 2011
- Coordination of transportation-related research activities
 - Coordinated preparation of University Transportation Center proposals, 2011 and 2013
 - Assisted I-11 Corridor Coalition with transportation, economic impact, and emissions and energy analysis, 2011
 - Coordinated preparation of Statement of Qualifications for Arizona Department of Transportation Research Center On-Call for Research Services, 2010
 - Coordinated preparation of Statement of Qualifications for Maricopa Association of Governments On-Call Research Services, 2010, 2011, and 2012
- Member, Grand Challenge Scholar Program Committee, 2010-present
- Member, Quality of Instruction Committee, 2006-2008
- Member, Freshman Teaching Academy, 2009-2010
 - Participated in E2 Freshman Engineering Camp, 2009, 2010, and 2013

School of Sustainable Engineering and the Built Environment Service

- Chair, Transportation Faculty Search Committee, 2012-2013
- Member, Faculty Search Committee (Various), 2009-2012
- Member, Academic Affairs Committee, 2006-2008
- Member, Faculty Advisory (Faculty Annual Review) Committee, 2008-2014 (Chair: 2013-2014)
- Institute of Transportation Engineers Student Chapter Faculty Advisor, 2008-2014
 - Coordinated various activities of student chapter including field trips, seminars, webinars, annual reports, proposals, and fund-raising initiatives
 - Nominated, recommended, and encouraged students to apply for awards
 - 2009 and 2010 Graduate Student Paper Award: Sravani Vadlamani
 - 2011 Graduate Student Paper Award: Sarah E. Ziems (now Volosin)
- Coordinator and Liaison, ASU Institutional Membership in International Road Federation (IRF)
 - Students nominated and awarded IRF Road Scholar designation and fellowship
- Supervisor of several Honors Contracts for Barrett Honors College Students

UNIVERSITY OF SOUTH FLORIDA

University Service

- Member, General Education (Liberal Arts) Council, 2005-2006
- Member, Provost Faculty Academic Enrichment Program Committee, 2003-2005
- Member, Library Council, 2002-2005
- Member, Undergraduate Council, 1997-2002 (Chairperson 2000-2001)
- Member, Faculty Senate Executive Committee, 2000-2001
- Member, Search Committee for Associate Vice President for Enrollment Planning and Management, 2000
- Member, Faculty Committee on Student Admissions, 1997-2003 (Chairperson 1998-1999)
- Member, Strategic Planning Task Force on Community and Urban Initiatives, 1998-1999
- Member, Strategic Planning Task Force on Environmental Studies and Applications, 1998-1999
- Member, Committee on Committees, 1997-1998
- Member, Faculty Senate, 1996-1999

College of Engineering Service

- Member, Center for Urban Transportation Research (CUTR) Director Search Committee, 2000-2001
- Member, College of Engineering Dean Search Committee, 1999-2000
- Member, Georgia Brosch Scholarship Award Selection Committee (CUTR), 1999-present
- “Bullarney” Scholarship Fundraiser Volunteer, 1997 and Celebrity Waiter, 1999, 2001, 2003
- Research Experience for Teachers (RET) Faculty Mentor, 2002 and 2003
- Research Experience for Undergraduates (REU) Faculty Mentor, 2003 and 2004
- Member, Curriculum Transformation Workgroup, 1996-1999
 - Presentation at Workshop on Engineering Core Curriculum, 1997
- Member, College EXPO Faculty Committee, 1995-1996

Department of Civil and Environmental Engineering Service

- Chair, Annual Faculty Evaluation Committee, 2004-2006
- Tenure and Promotion Committee, 2004-2006
- Coordinator, Transportation Systems Group, 1994-2006
- Director of Graduate Programs, 2001-2006
 - Prepared Department Doctoral Program Review Report, 2002
- Member, Department Chair Search Committee, 2001-2002
- Member, SACS Accreditation and Assessment Report, 2003-2004
- Member, Executive Committee, 2003-2004
- Faculty Advisor, Chi Epsilon Honor Society Student Chapter, 2000-present
- Member, Faculty-Student Relations Committee, 2000-2001
- Member, Curriculum and ABET Assessment Committee, 1998-2002 (Chairperson 1998-1999)
- Member, Transportation Faculty Search Committee, 1994-1995 and 2003-2004
- Member, Lab Equipment Committee, Civil & Environmental Engineering, 1994-96

UNIVERSITY OF LOUISIANA AT LAFAYETTE (FORMERLY UNIVERSITY OF SOUTHWESTERN LOUISIANA)

University, College, and Department Service

- Member, Graduate Faculty
- Member, ABET Accreditation Preparation Committee
- Member, Course Committee, ENGR 101: Introduction to Engineering
- Member, Course Committee, ENGR 115: Introduction to Engineering for Freshman-Honors
- Member, Computer Committee, College of Engineering
- Member, Freshman Recruiting Committee, College of Engineering
- Member, Mathematics Committee, College of Engineering
- Member, Planning Committee, College of Engineering
- Member, Graduate Appeals Committee, Department of Civil Engineering
- Member, Engineering Day Committee, Department of Civil Engineering

Student Service

- Faculty Advisor, ASCE Student Chapter, Department of Civil Engineering, 1993-1994
- Member of M.S. Thesis Committee
 - Kinasha Elisifa (1994), John I. Kessey (1994)

ABSTRACTS AND PRESENTATIONS

You, D., V.M. Garikapati, and R.M. Pendyala (2016) Modeling the Short- and Long-Term Behavioral Impacts of a Low Emission Zone Policy: The Application of an Integrated Model of the Urban Continuum (SimTRAVEL). Paper Presented at the World Conference on Transportation Research, Shanghai, China, July.

Garikapati, V.M., D. You, and R.M. Pendyala (2016) A Novel Approach to Model University Student Travel Demand. Paper Presented at the World Conference on Transportation Research, Shanghai, China, July.

- Konduri, K.C., D. You, V.M. Garikapati, and R.M. Pendyala (2016) Exploring the Implications of Alternative Household- and Person-level Constraints at Multiple Spatial Resolutions in Synthetic Population Generation. Paper Presented at the 6th TRB Conference on Innovations in Travel Modeling, Denver, CO, May.
- Pendyala, R.M., V.M. Garikapati, and D. You (2016) Reflecting the Interaction between Activity-Travel Engagement and Subjective Well-Being in Activity-Based Travel Model Systems. Paper Presented at the 6th TRB Conference on Innovations in Travel Modeling, Denver, CO, May.
- Garikapati, V.M., D. You, R.M. Pendyala, T. Patel, J. Kottommannil, and A. Sussman (2016) Accounting for Unique Aspects of Travel Demand Generated by a Large University in Travel Models. Paper Presented at the 6th TRB Conference on Innovations in Travel Modeling, Denver, CO, May.
- You, D., V.M. Garikapati, K.C. Konduri, R.M. Pendyala, and X. Zhou (2016) A Continuous-Time Integrated Transport Model System for Simulating Impacts of Dynamic and Active Mobility Management Strategies. Paper Presented at the 6th TRB Conference on Innovations in Travel Modeling, Denver, CO, May.
- Pendyala, R.M. (2016) Market Adoption and Willingness-to-Pay for Advanced Vehicular Technologies. Invited Seminar Presented at Purdue University NEXTRANS Center, West Lafayette, IN, March.
- You, D., K.C. Konduri, V.M. Garikapati, and R.M. Pendyala (2016) Application of an Enhanced Population Synthesis Model that Accommodates Controls at Multiple Geographic Resolutions. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Garikapati, V.M., R.M. Pendyala, E. Morris, P.L. Mokhtarian, and N. McDonald (2016) Activity Patterns, Time Use, and Travel of the Millennial Generation: What is All the Hype About? Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Lavieri, P., C.R. Bhat, R.M. Pendyala, and V.M. Garikapati (2016) Introducing Latent Psychological Constructs in Injury Severity Modeling: Multivehicle and Multioccupant Approach. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Chu, A., C.R. Bhat, R.M. Pendyala, and V.M. Garikapati (2016) Comprehensive Mixed Logit Analysis of Crash Type Conditional on a Crash Event. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Astroza, S., V.M. Garikapati, D. You, A.R. Pinjari, C.R. Bhat, and R.M. Pendyala (2016) A Multivariate Multiple Discrete Continuous Probit Model of Time Allocation to Commuting Modes and Physical Activity. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Garikapati, V.M., D. You, R.M. Pendyala, K. Jeon, V. Livshits, and C.R. Bhat (2016) Development of a Vehicle Fleet Composition Model System: Results from an Operational Prototype. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Garikapati, V.M., D. You, R.M. Pendyala, T. Patel, J. Kottommannil, and A. Sussman (2016) Design, Development, and Implementation of a University Travel Demand Modeling Framework. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Kumar, V., C.R. Bhat, R.M. Pendyala, D. You, E. Ben-Elia, and D. Ettema (2016) The Impacts of an Incentive-Based Intervention on Peak Period Traffic: Experience from the Netherlands. Paper Presented at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January.
- Pendyala, R.M. (2015) Paradigms for Integrated Modeling in an Era of Connectivity, Automation, and Dynamic Mobility Management. Invited Keynote Presentation at the 3rd International Conference of the Transportation Research Group of India, Calcutta, India, December.
- Pendyala, R.M., C.R. Bhat, and P.L. Mokhtarian (2015) Understanding the Potential Impacts of Connected and Automated Vehicles on Activity–Travel Behavior: Implications for Transport Modeling. Plenary Presentation at the 9th University Transportation Centers Spotlight Conference – Automated and Connected Vehicles, Washington, DC, November.
- You, D., V.M. Garikapati, R.M. Pendyala (2015) Modeling the Impacts of a Low Emission Zone Policy: The Application of an Integrated Model of the Urban Continuum. Presented at the 3rd International Symposium on Next Generation Infrastructure, Washington, DC, September.
- Pendyala, R.M. (2015) Paradigms for Integrated Modeling in an Era of Connectivity, Automation, and Real-time Big Data. Invited Keynote Presentation at First Annual Symposium on Transportation Informatics, Buffalo, NY, August.

- Pendyala, R.M., E. Morris, P.L. Mokhtarian, N. McDonald, and V.M. Garikapati (2015) A Longitudinal Exploration of Activity Engagement, Time Use, and Well-Being of Millennials. Presented at the 14th International Conference on Travel Behaviour Research, Windsor, UK, July.
- Konduri, K.C., Y. Ning, R.M. Pendyala, X. Zhou, D. You, and V.M. Garikapati (2015) Modeling Behavioral Response to Real-Time Traveler Information: An Application of a Continuous-Time Integrated Transport Modeling Framework. Presented at the 14th International Conference on Travel Behaviour Research, Windsor, UK, July.
- Garikapati, V.M., D. You, R.M. Pendyala, and S.E. Volosin (2015) How Do University Students Travel? The Role of Attitudes and Values. Presented at the 14th International Conference on Travel Behaviour Research, Windsor, UK, July.
- Garikapati, V.M., D. You, and R.M. Pendyala (2015) Modeling Household Vehicle Fleet Composition Using a Heuristic Forecasting Algorithm. Presented at the 14th International Conference on Travel Behaviour Research, Windsor, UK, July.
- Pendyala, R.M., V.M. Garikapati, and D. You (2015) Modeling Household Vehicle Fleet Composition: Application of the Multiple Discrete-Continuous Extreme Value (MDCEV) Model. Organized and Conducted/Presented Knowledge Transfer Session at the 3rd International Conference on Choice Modeling, Austin, TX, May.
- Garikapati, V.M., D. You, S. Astroza, R.M. Pendyala, and C.R. Bhat (2015) The Multiple Dimensions of Activity Participation: How are the Choices Related? Presented at the 3rd International Conference on Choice Modeling, Austin, TX, May.
- Hoklas, M., S. Dubey, C.R. Bhat, V.M. Garikapati, and D. You (2015) An Integrated Latent Construct Modeling Framework for Predicting Physical Activity Engagement and Health Outcomes. Presented at the 3rd International Conference on Choice Modeling, Austin, TX, May.
- Pendyala, R.M. (2015) Climate Change and Infrastructure: Planning, Adaptation, and Mitigation for Resilience. Invited Presentation at the 4th International Road Federation Caribbean Regional Congress, Montego Bay, Jamaica, May.
- Pendyala, R.M. (2015) Understanding and Modeling University Student Travel Demand – New Insights and Frameworks. Invited Seminar, Department of Civil and Environmental Engineering, University of Tennessee, Knoxville, TN, April.
- Pendyala, R.M. (2015) Erasing the Line That Divides: Integrated Transport Modeling for Behaviorally Sensitive Real-Time Operations Planning. Invited Presentation at the International Workshop on Behavioural Detail and Computational Demands in Agent-Based Models, National University of Singapore, Singapore, March.
- Pendyala, R.M. (2015) Applications of the Multiple Discrete-Continuous Choice Framework in Activity-Based Travel Models – Bridging the Gap Between Research and Practice. Invited Seminar, Distinguished Lecture Series, Department of Civil and Environmental Engineering, Florida International University, Miami, FL, February.
- Garikapati, V.M., D. You, R.M. Pendyala, K. Jeon, V. Livshits, and P. Vovsha (2015) Tour Characterization Framework Incorporating Activity Stop Sequencing Model System. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Wafa, Z., C.R. Bhat, R.M. Pendyala, and V.M. Garikapati (2015) Latent Segmentation Based Approach to Investigating Spatial Transferability of Activity-Travel Models. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Augustin, B., A.R. Pinjari, N. Eluru, and R.M. Pendyala (2015) Alternative Approaches for Estimating Annual Mileage Budgets for a Multiple Discrete-Continuous Choice Model of Household Vehicle Ownership and Utilization: An Empirical Assessment. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Fu, X., C.R. Bhat, R.M. Pendyala, S. Vadlamani, and V.M. Garikapati (2015) Understanding the Multiple Dimensions of Residential Choice. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Shin, J., C.R. Bhat, D. You, V.M. Garikapati, and R.M. Pendyala (2015) Consumer Preferences and Willingness to Pay for Advanced Vehicle Technology Options and Fuel Types. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Outwater, M.L., M. Bradley, N. Ferdous, C.R. Bhat, R.M. Pendyala, S. Hess, A. Daly, and J.J. LaMondia (2015) Tour-Based National Model System to Forecast Long-Distance Passenger Travel in the United States. Paper Presented at 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January.

- Pendyala, R.M. (2014) Advances in Modeling Spatio-Temporal Patterns of Activity and Travel: Bridging Research and Practice. Invited Presentation at Atlanta Model Users Group Meeting, Atlanta Regional Commission, Atlanta, GA, December.
- Pendyala, R.M. (2014) Multi-scale Models of Travel Demand and Supply: Bridging the Gap Between Research and Practice. Invited Seminar at National Center for Transportation Systems Productivity and Management, Georgia Institute of Technology, Atlanta, GA, August.
- Bhat, C.R., R.M. Pendyala, K.G. Goulias, and S. Dubey (2014) A Demographic Evolution System for Activity-Based Travel Demand Models. Paper Presented at the 5th Innovations in Travel Modeling Symposium, Transportation Research Board, Baltimore, MD, April.
- Konduri, K.C., Y. Ning, R.M. Pendyala, and X. Zhou (2014) Modeling Behavioral Response to Real Time Traveler Information: An Application of a Continuous Time Integrated Transport Modeling Framework. Paper Presented at the 5th Innovations in Travel Modeling Symposium, Transportation Research Board, Baltimore, MD, April.
- Bradley, M., N. Ferdous, M.L. Outwater, S. Hess, A. Daly, C.R. Bhat, R.M. Pendyala, and J.J. LaMondia (2014) A Tour-Based National Model System to Forecast Long Distance Passenger Travel. Paper Presented at the 5th Innovations in Travel Modeling Symposium, Transportation Research Board, Baltimore, MD, April.
- Pendyala, R.M. and C.R. Bhat (2014) Regional Planning and Modeling Implications of Driverless Cars – Issues, Challenges, and Uncertainties. Presentation at the Workshop on Regional Planning and Modeling Implications of Driverless Cars, Autonomous Vehicles Symposium, San Francisco, CA, July.
- Pendyala, R.M. (2014) Modeling Connected Vehicle Applications and Dynamic Management Strategies: Issues and Challenges. Invited Presentation at 21st Intelligent Transportation Systems World Congress, Detroit, MI, September.
- Aden-Buie, G.A., A. Kaw, A. Yalcin, and R.M. Pendyala (2014) Are Multiple-Choice Questions Suitable for a Final Examination in a STEM Course? Paper Presented at 121st ASEE Annual Conference and Exposition, Indianapolis, IN., June.
- Paul, S., K. Born, K. McElduff, R.M. Pendyala, and C.R. Bhat (2014) Exploring Characteristics of Short Trips: Implications for Walk Mode Choice. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pinjari, A.R., B. Augustin, A.F. Imani, S. Sikder, N. Eluru, and R.M. Pendyala (2014) Stochastic Frontier Estimation of Budgets for Kuhn-Tucker Demand Systems: Application to Activity Time-Use Analysis. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Outwater, M.L., C.R. Bhat, R.M. Pendyala, S. Hess, B. Sana, N. Ferdous, W. Woodford, and R. Sidharthan (2014) TCRP Project H-37: Characteristics of Premium Transit Services That Affect Mode Choice--Key Findings and Results. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Kaygisiz, O., M. Senbil, E. Yetiskul, and R.M. Pendyala (2014) Effects of Road Design and Built Environment on Road Safety in Developing Countries: Case of Eskisehir, Turkey. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Goulias, K.G., S. Ravulaparthi, K.C. Konduri, and R.M. Pendyala (2014) Using Synthetic Population Generation to Replace Sample and Expansion Weights in Household Surveys for Small Area Estimation of Population Parameters. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Chen, Y., K.G. Goulias, C.R. Bhat, and R.M. Pendyala (2014) Residential Geolocation of Households in Large-Scale Activity-Based Microsimulation Model and Development of High-Definition Spatial Distribution of Vehicle Miles Traveled. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Volosin, S.E., R.M. Pendyala, J. Kerrigan, E.R. Greene, V. Livshits, and J. Samuelson (2014) Measuring Travel Characteristics of a University Population: Experiences from Design and Administration of Web-Based Travel Survey. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., C.R. Bhat, R.M. Pendyala, K.G. Goulias, T.J. Adler, and A. Bahreinian (2014) Assessing the Impact of Transportation Policies on Fuel Consumption and Greenhouse Gas Emissions Using a Household Vehicle Fleet Simulator. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.

- Born, K., S. Yasmin, D. You, N. Eluru, C.R. Bhat, and R.M. Pendyala (2014) Joint Model of Weekend Discretionary Activity Participation and Episode Duration. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paul, B.M., P. Vovsha, J. Hicks, V. Livshits, and R.M. Pendyala (2014) Extension of Activity-Based Modeling Approach to Incorporate Supply Side of Activities: Examples for Major Universities and Special Events. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Garikapati, V.M., R. Sidharthan, R.M. Pendyala, and C.R. Bhat (2014) Characterizing Household Vehicle Fleet Composition and Count by Type in an Integrated Modeling Framework. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- You, D., V.M. Garikapati, R.M. Pendyala, C.R. Bhat, S. Dubey, K. Jeon, and V. Livshits (2014) Development of Vehicle Fleet Composition Model System for Implementation in Activity-Based Travel Model. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Garikapati, V.M., D. You, R.M. Pendyala, P. Vovsha, V. Livshits, and K. Jeon (2014) A Multiple Discrete-Continuous Model of Activity Participation and Time Allocation for Home-Based Work Tours. Paper Presented at 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M., C.R. Bhat, M. Chester, and B. Allenby (2013) Next Generation Infrastructure Implications of Autonomous Vehicles and Transport Automation. Invited Keynote Presentation at the First International Symposium on Next Generation Infrastructure (ISNGI), Wollongong, Australia, October.
- Konduri, K.C., Y. Ning, J. Angueira, and R.M. Pendyala (2013) Transportation System Modeling in the Information Era: An Application of a Continuous-Time Integrated Transport Modeling Framework for Capturing Activity-Travel Behaviors in Response to Real-Time Traveler Information. Presentation at the Conference on Agent-Based Modeling in Transportation Planning and Operations, Blacksburg, Virginia, October.
- Pendyala, R.M. (2013) A Network-Sensitive Transport Modeling Framework for Evaluating Impacts of Network Disruptions on Traveler Choices: An Activity-Based Travel Modeling Approach. Invited Presentation at International Workshop on Behaviors in Transportation Network and The Fifth International Workshop on Computational Transportation Science. Beijing Jiaotong University and Beijing University of Aeronautics and Astronautics, Beijing, China, June.
- Pendyala, R.M. (2013) SimAGENT: An Activity-Based Travel Demand Model for Southern California Association of Governments. Invited Presentation at International Workshop on Transport Operations, Huazhong University of Science and Technology, Wuhan, China, June.
- Greene, E., J. Kerrigan, R.M. Pendyala, S. Bricka, E. Hard, and C. Simek (2013) Collection of Travel Data on University Populations: A Tale of Three Colleges. Presentation at the 14th TRB National Transportation Planning Applications Conference, Columbus, Ohio, May.
- Pendyala, R.M. (2013) A Network-Sensitive Transport Modeling Framework for Evaluating Impacts of Network Disruptions on Traveler Choices under Varying Levels of User Information Provision. Invited Seminar, Department of Civil and Environmental Engineering, Rensselaer Polytechnic Institute, Troy, NY, March.
- Pendyala, R.M. (2013) Large Scale Data Enabled Microsimulation Models of Traveler Behavior in Multidimensional Networks: Moving Forward in the "I" Era. Invited Seminar, School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA, March.
- Archer, M., R. Paleti, K.C. Konduri, R.M. Pendyala, and C.R. Bhat (2013) Modeling the Connection Between Activity-Travel Patterns and Subjective Well-Being. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., C.R. Bhat, and R.M. Pendyala (2013) An Integrated Model of Residential Location, Work Location, Vehicle Ownership, and Commute Tour Characteristics. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., R.M. Pendyala, C.R. Bhat, K. Lorenzini, and K.C. Konduri (2013) Accommodating Immigration Status and Self-Selection Effects in a Joint Model of Household Auto Ownership and Residential Location Choice. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., C.R. Bhat, and R.M. Pendyala (2013) The Modeling of Household Vehicle Type Choice Accommodating Spatial Dependence Effects. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Konduri, K.C., R.M. Pendyala, D. You, Y-C. Chiu, M. Hickman, H. Noh, B. Gardner, P. Waddell, and L. Wang (2013) A Network-Sensitive Transport Modeling Framework for Evaluating Impacts of Network Disruptions on Traveler

- Choices Under Varying Levels of User Information Provision. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Konduri, K.C., R.M. Pendyala, D. You, Y-C. Chiu, M. Hickman, H. Noh, P. Waddell, L. Wang, and B. Gardner (2013) Reflecting the Impacts of System-wide Pricing Strategies in an Integrated Continuous-Time Prism-Constrained Activity-Travel Simulator of Demand and Supply. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Volosin, S.E., S. Paul, K.P. Christian, K.C. Konduri, and R.M. Pendyala (2013) Exploring the Dynamics in Travel Time Frontier. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- You, D., V.M. Garikapati, K.C. Konduri, R.M. Pendyala, P.S. Vovsha, and V. Livshits (2013) A Multiple Discrete-Continuous Model of Activity Type Choice and Time Allocation for Home-Based Non-Work Tours. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Kerrigan, J., E. Greene, and R.M. Pendyala (2013) Know Your Audience: Conducting Effective Travel Diary Surveys at Colleges & Universities. Paper Presented at 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. (2012) Environment and Climate Change and Its Impact on the Road Transport. Invited Workshop Instructor, XVI Congress on Highway and Traffic, Cordoba, Argentina, October.
- Konduri, K.C., X. Ye, and R.M. Pendyala (2012) Challenges and Solutions in the Development of Population Evolution Models for Microsimulation of Land-Use and Activity-Travel Patterns. Paper Presented at the 13th Conference of the International Association for Travel Behaviour Research, Toronto, July.
- Volosin, S.E., S. Paul, R.M. Pendyala, and B. Gardner (2012) An Assessment of the Impact of Stochastic Variability in Microsimulation Model Outputs on Transport Scenario Analysis. Paper Presented at the 13th Conference of the International Association for Travel Behaviour Research, Toronto, July.
- Konduri, K.C., R.M. Pendyala, Y-C. Chiu, M. Hickman, H. Noh, and B. Gardner (2012) An Examination of Alternative Paradigms for the Integration of Activity-Travel Demand and Dynamic Network Models: Implications for Policy Analysis. Paper Presented at the 13th Conference of the International Association for Travel Behaviour Research, Toronto, July.
- Sidharthan, R., R.M. Pendyala, S. Hess, M. Outwater, and C.R. Bhat (2012) An Integrated Mode Choice Model Accommodating Transit Awareness/Consideration in Choice Set Formation and Qualitative Attribute Effects. Paper Presented at the 13th Conference of the International Association for Travel Behaviour Research, Toronto, July.
- Pendyala, R.M. (2012) Joint Discrete-Continuous Choice Models and Their Potential Application to Revenue Management in Aviation. Invited Discussant, Workshop on Choice-Based Revenue Management, Georgia Institute of Technology, Atlanta, GA, May.
- Pendyala, R.M., K.C. Konduri, X. Ye, M. Outwater, B. Pandey, and C. Baber (2012) Development and Testing of Prototype Population Evolution Model System: A Baltimore Metropolitan Council Case Study. Paper Presented at 4th TRB Conference on Innovations in Travel Modeling, Tampa, FL, May.
- Pendyala, R.M., K.C. Konduri, D. You, Y-C. Chiu, M. Hickman, H. Noh, P. Waddell, L. Wang, and B. Gardner (2012) An Integrated Land Use Transport Model Application: Simulating the Impact of Network Disruptions on Activity-Travel Engagement Patterns. Paper Presented at 4th TRB Conference on Innovations in Travel Modeling, Tampa, FL, May.
- Paleti, R., C.R. Bhat, R.M. Pendyala, K.G. Goulias, T. Adler, A. Bahreinian (2012) On Assessing the Impact of Transportation Policies on Fuel Consumption and Greenhouse Gas Emissions Using a Household Vehicle Fleet Simulator. Paper Presented at 4th TRB Conference on Innovations in Travel Modeling, Tampa, FL, May.
- Outwater, M., T. Adler, J. Dumont, C.R. Bhat, R. Sidharthan, S. Hess, and R.M. Pendyala (2012) Improving Mode Choice Models with Awareness, Consideration, and Attitudes. Paper Presented at 4th TRB Conference on Innovations in Travel Modeling, Tampa, FL, May.
- Bhat, C.R., R. Paleti, R. Sidharthan, K.G. Goulias, R.M. Pendyala, L. Schmitt, and H-H. Hu (2012) Accommodating Intra-Household Interactions in Activity-Based Model Systems: How Much Does It Matter from a Forecasting and Policy Sensitivity Standpoint? Paper Presented at 4th TRB Conference on Innovations in Travel Modeling, Tampa, FL, May.
- Pendyala, R.M. and C.R. Bhat (2012) Transitioning to Activity-Based Models: Learning from the Southern California Experience. Invited Presentation at the Florida Statewide Model Task Force Meeting, Orlando, FL, March.

- Pendyala, R.M. (2012) Data Synthesis, Collection, and Integration. Invited Presentation, Time Use Observatory, Santiago, Chile, March.
- Pendyala, R.M. (2012) What We Can't Observe: Accounting for Latency in Joint Models of Activity-Travel and Location Choice Behavior. Invited Presentation, Georgia Institute of Technology, School of Civil and Environmental Engineering, Atlanta, GA, March.
- Pendyala, R.M. (2012) Application of Data Integration Efforts for Travel Behavior Modeling: Merits and Potential Pitfalls. Invited Presentation at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Volosin, S.E., S. Paul, R.M. Pendyala, B. Grady, and B. Gardner (2012) Application of Microsimulation Model System to Analysis of Light-Rail Corridor: Insights from TRANSIMS Deployment. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. K.C. Konduri, Y-C. Chiu, M.D. Hickman, H. Noh, P. Waddell, L. Wang, D. You, and B. Gardner (2012) Integrated Land Use – Transport Model System with Dynamic Time-Dependent Activity-Travel Microsimulation. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Bhat, C.R., K.G. Goulias, R.M. Pendyala, R. Paleti, R. Sidharthan, L. Schmitt, and H-H. Hu (2012) Household-Level Activity Pattern Generation Model: Simulator of Activities, Greenhouse Emissions, Networks, and Travel in Southern California. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Castro, M., C.R. Bhat, R.M. Pendyala, S. Jara-Diaz (2012) Accommodating Multiple Constraints in Multiple Discrete Continuous Extreme Value Choice Model. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Khan, M., R. Paleti, C.R. Bhat, and R.M. Pendyala (2012) Joint Household-Level Analysis of Work Arrangement Choices of Individuals. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., R.M. Pendyala, C.R. Bhat, and K.C. Konduri (2012) Joint Tour-Based Model of Tour Complexity, Passenger Accompaniment, Vehicle Type Choice, and Tour Length. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Seraj, S., R. Sidharthan, C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2012) Parental Attitudes Toward Children Walking and Bicycling to School: Multivariate Ordered Response Analysis. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Goulias, K.G., C.R. Bhat, R.M. Pendyala, Y. Chen, K. Konduri, R. Paleti, and H-H. Hu (2012) Simulator of Activities, Greenhouse Emissions, Networks, and Travel in Southern California. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Vyas, G., R. Paleti, C.R. Bhat, K.G. Goulias, R.M. Pendyala, H-H. Hu, T.J. Adler, and A. Bahreinian (2012) A Joint Vehicle Holdings (Type and Vintage) and Primary Driver Assignment Model with an Application for California. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Kortum, K., R. Paleti, C.R. Bhat, and R.M. Pendyala (2012) A Joint Model of Residential Relocation Choice and Underlying Causal Factors. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ferdous, N., C.R. Bhat, L. Vana, D. Schmitt, J.L. Bowman, M. Bradley, R.M. Pendyala, R. Anderson, and G. Giaimo (2012) Comparison of Four-Step Versus Tour-Based Models in the Context of Predicting Travel Behavior Before and After Transportation System Changes. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M., C.R. Bhat, K.G. Goulias, R. Paleti, K. Konduri, R. Sidharthan, H-H. Hu, G. Huang, and K.P. Christian (2012) Application of Socioeconomic Model System for Activity-Based Modeling: Experience from Southern California. Paper Presented at 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Goulias, K.G., R.M. Pendyala, and C.R. Bhat (2011) Total Design Data Needs for the New Generation of Large Scale Activity Microsimulation Models. Paper Presented at the 9th International Conference on Transport Survey Methods: Scoping the Future, Termas de Puyehue, Chile, November.
- Pendyala, R.M. (2011) Population Synthesis for Travel Demand Modeling: Data Needs and Applications Case Studies. Presented at the TRB Conference on Using Census Data for Transportation, Irvine, CA, October.

- Konduri, K.C., R. Paleti, R.M. Pendyala, and C.R. Bhat (2011) A Simultaneous Equations Choice Model System of Tour Type, Vehicle Type, Accompaniment, and Tour Length. Paper Presented at the 2nd International Choice Modeling Conference, Leeds, UK, July.
- Paleti, R., C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2011) The Modeling of Household Vehicle Type Choice Accommodating Spatial and Social Interaction Effects. Paper Presented at the 2nd International Choice Modeling Conference, Leeds, UK, July.
- Khan, M., R. Paleti, C.R. Bhat, and R.M. Pendyala (2011) A Joint Household-Level Analysis of Work Arrangement Decisions of Individuals. Presented at the Workshop on Using National Household Travel Survey Data for Transportation Decision Making, Transportation Research Board, Washington, D.C., June.
- Seraj, S., R. Siddharthan, C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2011) A Multivariate Analysis of the Factors that influence Attitudes toward the Use of Non-Motorized Forms of Transportation. Presented at the Workshop on Using National Household Travel Survey Data for Transportation Decision Making, Transportation Research Board, Washington, D.C., June.
- Pendyala, R.M., Y-C. Chiu, M.C. Hickman, P.A. Waddell, and B. Gardner (2011) Integrated Model of the Urban Continuum – Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns: Design, Development and Prototype Implementation. Presented at the 13th TRB National Planning Applications Conference, Reno, Nevada, May.
- Pendyala, R.M., S.E. Volosin, B. Sana, B. Grady, and B. Gardner (2011) Analysis of a Multimodal Light Rail Corridor Using an Activity-Based Microsimulation Modeling Framework: An Application of TRANSIMS. Presented at the 13th TRB National Planning Applications Conference, Reno, Nevada, May.
- Pendyala, R.M. (2011) Sustainable Transportation Planning: Challenges and Opportunities. Invited Presentation at the Spring Conference of Arizona ITE/IMSA, Mesa, AZ, March.
- Ziems, S.E., B. Sana, J. Plotz, and R.M. Pendyala (2011) Stochastic Variability in Microsimulation Modeling Results and Convergence of Corridor-Level Characteristics. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ferdous, N., R.M. Pendyala, C.R. Bhat, and K.C. Konduri (2011) Modeling the Influence of Family, Social Context, and Spatial Proximity on Nonmotorized Transport Mode Use. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M., Y-C. Chiu, P.A. Waddell, and M.C. Hickman (2011) Modeling the Urban Continuum in an Integrated Framework: Location Choice, Activity Travel Behavior, and Dynamic Traffic Patterns. Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Sener, I.N., C.R. Bhat, and R.M. Pendyala (2011) When, Where, How Long, and With Whom Are Individuals Participating in Physically Active Recreational Episodes? Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Konduri, K.C., S.T. Astroza, B. Sana, R.M. Pendyala, and S.R. Jara-Diaz (2011) Joint Analysis of Time Use and Consumer Expenditure Data: Examination of Two Alternative Approaches to Deriving Values of Time. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Castro, M., N. Eluru, C.R. Bhat, and R.M. Pendyala (2011) Joint Model of Participation In Nonwork Activities and Time-of-Day Choice Set Formation for Workers. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Chen, Y., S. Ravulaparthi, K.E. Deutsch, P. Dalal, S.Y. Yoon, T. Lei, K.G. Goulias, R.M. Pendyala, C.R. Bhat, and H-H. Hu (2011) Development of Opportunity-Based Accessibility Indicators. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Outwater, M., G. Spitz, J. Lobb, M. Campbell, R.M. Pendyala, B. Sana, and W. Woodford (2011) Characteristics of Premium Transit Services That Affect Mode Choice. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Paleti, R., N. Eluru, C.R. Bhat, R.M. Pendyala, K.G. Goulias, and T. Adler (2011) Design of Comprehensive Microsimulator of Household Vehicle Fleet Composition, Utilization, and Evolution. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Konduri, K.C., X. Ye, B. Sana, and R.M. Pendyala (2011) Joint Tour-Based Model of Vehicle Type Choice and Tour Length. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.

- Eluru, N., A.R. Pinjari, R.M. Pendyala, and C.R. Bhat (2011) Econometric Multidimensional Choice Model of Activity-Travel Behavior. Paper Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. (2010) Advances in Transport Sustainability: The New Imperative. Presented at the First International Symposium on Advances in Transport Sustainability, Arizona State University, Tempe, AZ, November.
- Paleti, R., N. Eluru, C.R. Bhat, R.M. Pendyala, K.G. Goulias, and T. Adler (2010) The Design and Estimation of a Household Vehicle Evolution and Composition Model for Assessing the Impact of Transportation Policies on Global Climate Change and Air Quality. Presented at the 57th Annual North American Meetings of the Regional Science Association International, Denver, Colorado, November.
- Paleti, R., R. Siddharthan, R.M. Pendyala, K.G. Goulias, and C.R. Bhat (2010) A Descriptive and Choice Modeling Study of Children's School Travel Mode Choice. Presented at the 57th Annual North American Meetings of the Regional Science Association International, Denver, Colorado, November.
- Ferdous, N., R.M. Pendyala, C.R. Bhat, and K.C. Konduri (2010) Modeling the Influence of Family, Social Context, and Spatial Proximity on the Non-Motorized Transport Mode Use. Presented at the 57th Annual North American Meetings of the Regional Science Association International, Denver, Colorado, November.
- Pendyala, R.M. (2010) A Joint Discrete-Continuous Model of Vehicle Type Choice and Tour Length. Invited Presentation at Northwestern University Transportation Center, Department of Civil and Environmental Engineering, Evanston, IL, October.
- Pendyala, R.M., Y-C. Chiu, P.A. Waddell, M. Hickman, K.C. Konduri, and B. Sana (2010) The Design of an Integrated Model of the Urban Continuum – Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns. Paper presented at the 12th World Conference on Transport Research (WCTR), Lisbon, Portugal, July.
- Goulias, K.G., C.R. Bhat, R.M. Pendyala, Y. Chen, N. Eluru, and K.C. Konduri (2010) Greenhouse Gas Emission Scenarios of Land Use Change Using a Large Scale Continuous-Time Activity-Based Microsimulation Model System in Southern California: Design, Implementation, Preliminary Findings, and Future Plans. Paper presented at the 12th World Conference on Transport Research (WCTR), Lisbon, Portugal, July.
- Ziems, S.E., B. Sana, and R.M. Pendyala (2010) Integrated Multimodal Corridor Analysis Using a Microsimulation Modeling Framework. Paper presented at the 12th World Conference on Transport Research (WCTR), Lisbon, Portugal, July.
- Konduri, K.C., B. Sana, R. Paleti, R.M. Pendyala, and C.R. Bhat (2010) A Joint Discrete-Continuous Tour-Based Model of Vehicle Type Choice and Tour Length. Paper presented at the 12th World Conference on Transport Research (WCTR), Lisbon, Portugal, July.
- Goulias, K.G., C.R. Bhat, and R.M. Pendyala (2010) SimAGENT: Simulator of Activities, Greenhouse Emissions, Networks, and Travel for the Southern California Region. Presented at the Southern California Regional Modeling Task Force Meeting, Los Angeles, CA, May.
- Eluru, N., C.R. Bhat, A.R. Pinjari, and R.M. Pendyala (2010) A Unified Model System of Activity Type Choice, Activity Duration, Activity Timing, Mode Choice, and Location Choice. Paper presented at the 3rd Transportation Research Board Conference on Innovations in Travel Modeling (ITM2010), Tempe, Arizona, May.
- Goulias, K.G., C.R. Bhat, R.M. Pendyala, H. Hu, Y. Chen, N. Eluru, and K.C. Konduri (2010) Activity-Based Microsimulation Model System in Southern California: Design, Implementation, Preliminary Findings, and Future Plans. Paper presented at the 3rd Transportation Research Board Conference on Innovations in Travel Modeling (ITM2010), Tempe, Arizona, May.
- Pendyala, R.M., Y-C. Chiu, P.A. Waddell, M. Hickman, and B. Gardner (2010) Towards an Integrated Model of Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns. Paper presented at the 3rd Transportation Research Board Conference on Innovations in Travel Modeling (ITM2010), Tempe, Arizona, May.
- Pendyala, R.M., Y-C. Chiu, P.A. Waddell, and M. Hickman (2010) Integrated Modeling of the Urban Continuum: Location Choices, Activity-Travel Behavior, and Dynamic Traffic Patterns – Model Development and Deployment Strategy. Presentation at the Federal Highway Administration, Exploratory Advanced Research Program Project Hand-off Workshop, Washington, D.C., April.
- Ziems, S.E., B. Sana, and R.M. Pendyala (2010) Application of TRANSIMS to the Analysis of Multimodal Light Rail Corridors in the Greater Phoenix Metropolitan Region. Presentation at the TRANSIMS: Applications and Development Workshop, Argonne National Laboratory, Chicago, Illinois, April.

- Pendyala, R.M. (2010) Transportation Research and Education at Arizona State University. Presented at the Joint Meeting of the Arizona Section Institute of Transportation Engineers and the ASU Student Chapter of the Institute of Transportation Engineers, Arizona State University, Tempe, AZ, April.
- Pendyala, R.M. and K.C. Konduri (2010) Time Use, Technology, and Travel: How Are the Three T's Related? Invited keynote paper presented at the Second Time Use Observatory, Termas de Jahuel, San Felipe, Chile, March.
- Plotz, J., K.C. Konduri, and R.M. Pendyala (2010) To What Extent Can HOV Lanes Reduce Vehicle Trips and Congestion? Exploratory Analysis Using National Statistics on HOV Mode Use. Paper presented at the 89th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Eluru, N., C.R. Bhat, R.M. Pendyala, and K.C. Konduri (2010) Joint Flexible Econometric Model System of Household Residential Location and Vehicle Fleet Composition and Usage Choices. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Eluru, N., R. Paleti, R.M. Pendyala, and C.R. Bhat (2010) Modeling Multiple Vehicle Occupant Injury Severity: Copula-Based Multivariate Approach. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Sana, B., K.C. Konduri, and R.M. Pendyala (2010) Quantitative Analysis of Impacts of Moving Toward a Vehicle Mileage-Based User Fee. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Konduri, K.C., X. Ye, and R.M. Pendyala (2010) Probit-Based Joint Discrete Continuous Model of In-Home and Out-of-Home Activity-Type Choice and Duration Incorporating History Dependency. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ziems, S.E., K.C. Konduri, B. Sana, and R.M. Pendyala (2010) Exploration of Time Use Utility Derived by Elderly from Their Daily Activity-Travel Patterns. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M., Y-C. Chiu, P.A. Waddell, and M. Hickman (2009) Integrated Modeling of the Urban Built Environment and Activity-Travel Behavior in Complex Multimodal Networks: Conceptual Framework, Model Design, and Operational Procedures. Paper presented at the 12th International Conference on Travel Behaviour Research, Jaipur, India, December.
- Konduri, K.C., B. Sana, S.E. Ziems, and R.M. Pendyala (2009) Understanding the Activity-Travel Patterns of the Elderly in the Context of Social Exclusion. Paper presented at the 12th International Conference on Travel Behaviour Research, Jaipur, India, December.
- Konduri, K.C., R.M. Pendyala, B. Sana, X. Ye, and P.A. Waddell (2009) An Evolutionary Model of Population Synthesis That Controls for Household and Person-Level Attribute Distributions. Paper presented at the 12th International Conference on Travel Behaviour Research, Jaipur, India, December.
- Pendyala, R.M. (2009) Integrated Modeling of the Urban Continuum: SimTRAVEL Model Design and Prototype Development and Testing Plan. Meeting of the Exploratory Advanced Research Program Project Peer Review Panel, Tempe, Arizona, November.
- Eluru, N., C.R. Bhat, R.M. Pendyala, and K.C. Konduri (2009) A Joint Flexible Econometric Model System of Household Residential Location and Vehicle Fleet Composition/Usage Choices. Paper presented at the 56th Annual Meeting of the North American Regional Science Council, San Francisco, California, November.
- Chu, X., S.E. Polzin, and R.M. Pendyala (2009) A Framework of Modeling and Predicting Stop-Level Transit Patronage. Paper presented at the 56th Annual Meeting of the North American Regional Science Council, San Francisco, California, November.
- Eluru, N., A.R. Pinjari, R.M. Pendyala, and C.R. Bhat (2009) A Unified Model System of Activity Type Choice, Activity Duration, Activity Timing, Mode Choice, and Destination Choice. Paper presented at the 56th Annual Meeting of the North American Regional Science Council, San Francisco, California, November.
- Pendyala, R.M. (2009) Perspectives on Challenges and Next Steps in Integrated Corridor Systems Management. Invited Closing Plenary Speaker at Integrated Corridor Systems Management Modeling Best Practices Workshop, Irvine, California, September.
- Ye, X. and R.M. Pendyala (2009) A Probit-based Joint Discrete-continuous Model System: Analyzing the Relationship between Timing and Duration of Maintenance Activities. Paper presented at the 18th International Symposium on Transportation and Traffic Theory (ISTTT18), Hong Kong, July.

- Pendyala, R.M. (2009) Remembering the Life and Contributions of Ryuichi Kitamura: A Tribute. Presentation at Celebrating the Journey: The Life and Times of Ryuichi Kitamura, a Memorial Conference in Honor of Ryuichi Kitamura, Davis, California, June.
- Washington, S., S. Ravulaparthi, J.M. Rose, D.A. Hensher, and R.M. Pendyala (2009) Bayesian Imputation of Not-Chosen Attribute Values in Revealed-Preference Surveys. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Bar-Gera, H., K.C. Konduri, B. Sana, X. Ye, and R.M. Pendyala (2009) Estimating Survey Weights with Multiple Constraints Using Entropy Optimization Methods. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Sener, I.N., R.M. Pendyala, and C.R. Bhat (2009) Accommodating Spatial Correlation Across Choice Alternatives in Discrete Choice Models: Application to Modeling Residential Location Choice Behavior. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Eluru, N., I.N. Sener, C.R. Bhat, R.M. Pendyala, and K.W. Axhausen (2009) Understanding Residential Mobility: Joint Model of the Reason for Residential Relocation and Stay Duration Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X., K.C. Konduri, R.M. Pendyala, B. Sana, and P.A. Waddell (2009) Methodology to Match Distributions of Both Household and Person Attributes in Generation of Synthetic Populations. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Spissu, E., A.R. Pinjari, R.M. Pendyala, and C.R. Bhat (2009) Copula-Based Joint Multinomial Discrete-Continuous Model of Vehicle Type Choice and Miles of Travel. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X., K.C. Konduri, R.M. Pendyala, and B. Sana (2009) Formulation of an Activity-Based Utility Measure of Time Use: Application to Understanding the Influence of Constraints. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X. and R.M. Pendyala (2009) Probit-Based Joint Discrete-Continuous Model System: Analyzing Relationship Between Timing and Duration of Maintenance Activities. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ferdous, N., A.R. Pinjari, C.R. Bhat, and R.M. Pendyala (2009) Comprehensive Analysis of Household Transportation Expenditures Relative to Other Goods and Services: Application to United States Consumer Expenditure Data. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Lee, B.H.Y., P.A. Waddell, L. Wang, and R.M. Pendyala (2009) Operationalizing Time-Space Prism Accessibility in a Building-Level Residential Choice Model: Empirical Results from the Puget Sound Region. Paper presented at the 88th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. (2008) Integrated Modeling of the Urban Continuum: Location Choices, Activity-Travel Behaviour, and Dynamic Traffic Patterns. Meeting of the Exploratory Advanced Research Program Project Peer Review Panel, Tempe, Arizona, December.
- Ye, X., R.M. Pendyala, and X. Yang (2008) An Exploratory Analysis of Activity-travel Patterns, Trip Chaining Patterns, and Daily Time Use Patterns in Xiamen, China. Paper presented at the First International Conference on Transportation Infrastructure, Beijing, China, April.
- Pendyala, R.M. (2008) Keynote Address: Indo-US Collaboration in Advancing Mass Transit and Travel Behaviour Research. Paper presented at the First Indo-US Symposium on Advances in Mass Transit and Travel Behaviour Research (MTTBR), Guwahati, India, February.
- Milton, J.C., V.N. Shankar, M-B. Shyu, S. Sittikariya, and R.M. Pendyala (2008) Data-Driven Perspective on Management of Safety Risk at State Agencies: Case Study in Washington State. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pinjari, A.R., N. Eluru, C.R. Bhat, R.M. Pendyala, and E. Spissu (2008) A Joint Model of Residential Neighborhood Type Choice and Bicycle Ownership: Accounting for Self-Selection and Unobserved Heterogeneity. Paper presented at the 8th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Spissu, E., A. Pinjari, C.R. Bhat, R.M. Pendyala, and K. Axhausen (2008) An Analysis of Weekly Out-of-Home Discretionary Activity Participation and Time-Use Behavior. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.

- Ye, X., R.M. Pendyala, V.N. Shankar, and K. Konduri (2008) A Simultaneous Equations Model of Crash Frequency by Severity Level for Freeway Sections. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X., R.M. Pendyala, F.S. Al-Rukaibi, and K. Konduri (2008) A Joint Model of Crash Type and Severity for Two-Vehicle Crashes. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X., R.M. Pendyala, S.P. Washington, K.Konduri, and J. Oh (2008) A Simultaneous Equations Model of Crash Frequency by Collision Type for Rural Intersections. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pinjari, A.R., R.M. Pendyala, C.R. Bhat, and P. Waddell (2008) Modeling the Choice Continuum: An Integrated Model of Residential Location, Auto Ownership, Bicycle Ownership, and Commute Tour Mode Choice Decisions. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Sener, I.N., R.B. Copperman, R.M. Pendyala, and C.R. Bhat (2008) An Analysis of Children's Leisure Activity Engagement: Examining the Day of Week, Location, Physical Activity Level, and Fixity dimensions. Paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. (2008) Moving Activity Based Approaches to Practice: An Academic Research Perspective. Invited presentation at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Lee, B.H.Y., P. Waddell, L. Wang, and R.M. Pendyala (2008) How Does Accessibility Matter in Residential Choice? An Application of a Time-Space Prism Constrained Measure of Accessibility in a Household Residence Choice Model for the Puget Sound Region. Paper presented at the ACSP AESOP 4th Joint Congress, Chicago, IL, June.
- Kitamura, R., A. Kikuchi, and R.M. Pendyala (2008) Integrated Dynamic Activity –Network Simulator: Current State and Future Direction of PCATS – DEBNetS. Presentation at the 2nd TRB Conference on Innovations in Travel Modeling, Portland, OR, June.
- Pendyala, R.M. (2008) On the Development of Activity-Based Microsimulation Model Systems of Travel Demand. Invited presentation at the CMAP Symposium on Activity-Based Model Development, Chicago Metropolitan Agency for Planning, Chicago, IL, August.
- Pendyala, R.M. (2007) Impact of Arizona State University on Light Rail Ridership Forecasts. Presentation to the Rail Study Working Group, Valley Metro Light Rail, Phoenix, AZ, November.
- Sener, I.N., C.R. Bhat, and R.M. Pendyala (2007) Accommodating General Patterns of Spatial Correlation in Residential Location Choice. Presented at the 54th Annual North American Meetings of the Regional Science Association International, Savannah, GA, November.
- Ye, X., K. Konduri, and R.M. Pendyala (2007) A Time Use Analysis of Work, Play, and Other Activities to Assess the Role of ICT in Promoting Sustainable Mobility Patterns. Presented at the XXIX International Association for Time Use Research Conference, Washington, D.C., October.
- Spissu, E., N. Eluru, R.M. Pendyala, C.R. Bhat, and K. Konduri (2007) A Comparative Analysis of Italian and American Daily Time-Use and Activity Patterns. Presented at the XXIX International Association for Time Use Research Conference, Washington, D.C., October.
- Pendyala, R.M., X. Ye, and K. Konduri (2007) Time Use, Constraints, and Quality of Life of Women: Making the Connection. Presented at the XXIX International Association for Time Use Research Conference, Washington, D.C., October.
- Pendyala, R.M. (2007 and 2008) The High and Low of Travel: Stochastic Modeling of Travel Time Expenditure Frontiers in a Global Context.
Invited Presentation: University of Texas at Austin, May 2008
Invited Presentation: University of Arizona, Tucson, April 2007
Invited Presentation: University of California, Davis, November 2007
- Waddell, P., C.R. Bhat, N. Eluru, L. Wang, and R.M. Pendyala (2007) Modeling the Interdependence in Residential and Workplace Choices. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pinjari, A., R.M. Pendyala, C.R. Bhat, and P. Waddell (2007) Modeling Residential Sorting Effects to Understand the Impacts of the Built Environment on Commute Mode Choice. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Banerjee, A., X. Ye, and R.M. Pendyala (2007) An Analysis of Commute Travel Times in an International Context. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.

- Banerjee, A. and R.M. Pendyala (2007) Relationships Between Work and Nonwork Activity and Travel Durations in a Developing Country Context. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ye, X. and R.M. Pendyala (2007) Analysis of Relationship Between Timing and Duration of Maintenance Activities Using Alternative Joint Discrete-Continuous Modeling Systems. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Ram M. Pendyala, Arizona State University Chu, X., S.E. Polzin, N. Siddiqui, R.M. Pendyala, and I. Ubaka (2007) A Framework for Modeling and Forecasting Stop-Level Transit Patronage. Paper presented at the 86th Annual Meeting of the Transportation Research Board, Washington, D.C., January.
- Pendyala, R.M. (2006) Advances in Activity-Based Analysis of Travel and Time Use Behaviour. Invited resource paper presented at the 11th Conference of the International Association for Travel Behaviour Research (IATBR), Kyoto, Japan, August.
- Waddell, P., C.R. Bhat, R.M. Pendyala, D. Layton, and J. Franklin (2006) Modeling Behavioral Interactions Between Residential and Work Location Choices. Paper presented at the 11th Conference of the International Association for Travel Behaviour Research (IATBR), Kyoto, Japan, August.
- Ye, X., A. Banerjee, and R.M. Pendyala (2006) A Longitudinal Analysis of Travel Time Frontiers in an International Context. Paper presented at the 11th Conference of the International Association for Travel Behaviour Research (IATBR), Kyoto, Japan, August.
- Pendyala, R.M. and C.R. Bhat (2006) Validation and Assessment of Activity-Based Models. Paper presented at the Transportation Research Board Conference on Innovations in Transportation Modeling, Austin, Texas, May.
- Bunner, R. and R.M. Pendyala (2005) TBEST: A Transit Boardings Estimation and Simulation Tool. Center for Urban Transportation Research Conference on GIS in Transit, Tampa, Florida, November.
- Chu, X., S.E. Polzin, and R.M. Pendyala (2005) A Framework for Forecasting Stop-Level Transit Ridership Using GIS-Based Accessibility and Network Connectivity Measures. Annual Conference of the North American Regional Science Association, Las Vegas, Nevada, November.
- Pendyala, R.M. (2005) Enhancement of Transportation Planning Models to Evaluate the Impacts of Road Pricing Schemes. Invited presentation, U.S. Department of Transportation Expert Forum on Transportation Modeling for Road Pricing, Arlington, Virginia, November.
- Pendyala, R.M. (2005) Collection and Analysis of GPS-Based Travel Data for Understanding and Modeling Activity-Travel Patterns in Time and Space. GPS Tracking and Time-Geography Applications for Activity Modeling and Microsimulation, An FHWA-sponsored Peer Exchange Specialist Meeting, University of California, Santa Barbara, California, October.
- Pendyala, R.M. (2005) New Developments in Multimodal Transportation Planning: Application to Developing Countries. Invited presentation, Institute of Urban Transport, Andhra Pradesh Chapter, Hyderabad, India, July.
- Pendyala, R.M. (2005) Modeling Freight Travel Demand Using a Structural Equations Modeling Framework. International Conference on Transportation and Logistics, National University of Singapore, Singapore, July.
- Ye, X. and R.M. Pendyala (2005) A Model of Daily Time Use Allocation Using the Fractional Logit Methodology. International Symposium on Transportation and Traffic Theory (ISTTT), University of Maryland, College Park, MD, July.
- Pendyala, R.M. and A. Banerjee (2005) International Experience with Journey to Work Data Collection and Reporting in National Censuses (Invited). Conference on Census Data for Transportation Planning, Transportation Research Board, National Research Council, Irvine, CA, May.
- Pendyala, R.M., R. Kitamura, A. Kikuchi, T. Yamamoto, and S. Fujii (2005) Validation and Assessment of a Comprehensive Activity-Based Modeling System in Florida. Conference on Transportation Planning Applications, Transportation Research Board, National Research Council, Portland, OR, April.
- Pendyala, R.M., X. Chu, S.E. Polzin, and R. Bunner (2005) Development and Implementation of a Transit Boardings Estimation and Simulation Software Using GIS. Conference on Transportation Planning Applications, Transportation Research Board, National Research Council, Portland, OR, April.
- Toole-Holt, L., S.E. Polzin, and R.M. Pendyala (2005) Two Minutes per Person per Day each Year: An Exploration of the Growth in Travel Time Expenditures. 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.

- Ye, X., A. Banerjee, R.M. Pendyala, and A. Pinjari (2005) Understanding Travel Time Expenditures Around the World: How Low Can Travel Go? 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Banerjee, A., X. Ye, R.M. Pendyala, and A. Pinjari (2005) Understanding Travel Time Expenditures Around the World: Exploring the Notion of Travel Time Budgets. 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Ye, X. and R.M. Pendyala (2005) A Model of Daily Time Use Allocation Using the Fractional Logit Methodology. 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Pendyala, R.M., R. Kitamura, A. Kikuchi, T. Yamamoto, and S. Fujii (2005) FAMOS: The Florida Activity Mobility Simulator. 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Pendyala, R.M. (2005) Microsimulation of Activity-Travel Patterns: New Developments (invited). Workshop on Moving Activity Based Approaches to Practice, 84th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Fabregas, A., L. Otero, G. Centeno, and R.M. Pendyala (2004) Experimental Comparison of Neural Network and Logit Modeling Approaches in Disaggregate Discrete Choice Behavior Modeling. INFORMS Annual Meeting, Denver, Colorado, October.
- Pendyala, R.M. and A. Agarwal (2004) Analysis of Weekend Travel Behavior Characteristics Using the 2001 NHTS. Conference on Data for Understanding Our Nation's Travel: National Household Travel Survey, Transportation Research Board, National Research Council, Washington, D.C., December.
- Pendyala, R.M. and C.R. Bhat (2004) Emerging Issues in Travel Behavior Analysis (invited resource paper presentation). Conference on Data for Understanding Our Nation's Travel: National Household Travel Survey, Transportation Research Board, National Research Council, Washington, D.C., December.
- Pendyala, R.M. (2004) State of the Art in Travel Behavior Analysis: New Issues, Challenges, and Technology Implications (invited keynote). Transport Science and Technology Congress, Athens, Greece, September 2004.
- Pendyala, R.M., X. Chu, S.E. Polzin, and R. Bunner (2004) Development of a Comprehensive Transit Boardings Estimation and Simulation Tool. Transport Science and Technology Congress, Athens, Greece, September.
- Pendyala, R.M., R. Kitamura, A. Kikuchi, T. Yamamoto, and S. Fujii (2004) Development of a Comprehensive Activity Based Model System for Florida. Transport Science and Technology Congress, Athens, Greece, September.
- Pendyala, R.M. and S. Bricka (2004) Workshop Report: Behavioral Process Data for Travel Demand Modeling. International Conference on Transport Survey Quality and Innovation, Los Suenos, Costa Rica, August.
- Ye, X. and R.M. Pendyala (2004) Understanding Time-Space Prism Constraints for Modeling Weekend Travel Behavior. International Conference on Traffic and Transport Studies, Dalian, China, August.
- Polzin, S.E., X. Chu, and R.M. Pendyala (2004) The State of the Practice in Stop Level Ridership Forecasting: What New Software and Data Make Possible. Bus and Paratransit Conference and Bus Rapid Transit Conference, Denver, Colorado, May.
- Pendyala, R.M., R. Kitamura, A. Kikuchi, T. Yamamoto, and S. Fujii (2004) FAMOS: The Florida Activity Mobility Simulator. International Conference on Progress in Activity-Based Analysis, Maastricht, The Netherlands, May.
- Pendyala, R.M. (2004) State of the Art in Activity-Based Analysis: A Traveler Behavior and Values Perspective (invited keynote). International Conference on Progress in Activity-Based Analysis, Maastricht, The Netherlands, May.
- Pendyala, R.M. and X. Ye (2004) Contributions to Understanding Joint Relationships Among Activity and Travel Variables. International Conference on Progress in Activity-Based Analysis, Maastricht, The Netherlands, May.
- Pendyala, R.M. (2004) Freight Travel Demand Modeling in Florida: An Overview of Methodologies (invited). Louisiana Planning Council Conference, Baton Rouge, LA, March.
- Nehra, R.N., A. Banerjee, R.M. Pendyala, and S.L. Dhingra (2004) Analysis of Personal Time Space Prism Vertex Locations in a Developing Country Context. 83rd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Tringides, C., X. Ye, and R.M. Pendyala (2004) Alternative Formulations of Joint Model Systems of Departure Time Choice and Mode Choice for Non-Work Trips. 83rd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Pendyala, R.M. (2004) FAMOS Application in Florida (invited). 83rd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.

- Vaddepalli, S., S. Jonnavithula, R.M. Pendyala, and R.G. McCullough (2004) Analysis of Origin- Destination Freight Flows Using Structural Equations Modeling Framework. 83rd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Ye, X., R.M. Pendyala, and G. Gottardi (2004) Exploration of the Relationship Between Mode Choice and Complexity of Trip Chaining Patterns. 83rd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Murthy, G.N., R.M. Pendyala, and I. Birenbaum (2003) Internal Benchmarking as a Continuous Improvement Process for Dynamic Message Sign Deployment. Annual Meeting and Exhibit, Institute of Transportation Engineers, Seattle, Washington, August.
- Yamamoto, T., R. Kitamura, and R.M. Pendyala (2003) Comparative Analysis of Time-Space Prism Vertices for Out-of-Home Activity Engagement on Working and Nonworking Days. 82nd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Shankar, V.N., G.F. Ulfarsson, R.M. Pendyala, and M.B. Nebergall (2003) Modeling Crashes Involving Pedestrians and Motorized Traffic. 82nd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January.
- Pendyala, R.M. (2003) Microsimulation of Activity-Travel Behavior. Summer Microsimulation Workshop, Transportation Research Board Midyear Meeting, Portland, OR, July 14.
- Pendyala, R.M. (2003) Time Use and Activity Analysis: New Methods for Travel Demand Modeling. Invited presentation, 2003 Distinguished Lecture, Mid-Atlantic Universities Transportation Center, The Pennsylvania State University, State College, PA, April.
- Pendyala, R.M. (2003) Archiving and Documentation of Travel Survey Data Using XML Standards. Invited Resource Paper Presentation, 10th Meeting of the International Association for Travel Behaviour Research, Luzern, Switzerland, August.
- Pendyala, R.M., X. Chu, S.E. Polzin, W. White, S. Yun, F.E. Nassar, and I. Ubaka (2003) Development of an Accessibility-Based Transit Ridership Forecasting Model. 9th TRB Conference on the Application of Transportation Planning Methods, Baton Rouge, LA, April 6-10.
- Pendyala, R.M., R.S. Nehra, and A. Banerjee (2003) An Analysis of Personal Time-Space Prism Vertex Locations in a Developing Country Context. First Annual Conference of the Association of Indian Management Scholars (AIMS), Indian Institute of Management, Bangalore, India, December.
- Pendyala, R.M., R. Kitamura, T. Yamamoto, S. Fujii, A. Kikuchi, and I. Ubaka (2003) FAMOS: The Florida Activity Mobility Simulator. 9th TRB Conference on the Application of Transportation Planning Methods, Baton Rouge, LA, April 6-10.
- Pendyala, R.M. (2002) Time Use and Activity Analysis: New Methods for Travel Demand Modeling. Invited presentation at Southeastern University, Nanjing, China, July 27.
Invited presentation at Tongji University, Shanghai, China, July 22.
Invited presentation at the Indian Institute of Technology, Mumbai, India, June 25.
Invited presentation at the Indian Institute of Technology, Chennai, India, June 20.
Invited presentation at the Regional Engineering College, Warangal, India, June 15.
- Pendyala, R.M. and S. Meka (2002) Modeling Time and Task Allocation Among Household Members for Simulating Household Activity Travel Patterns. Third International Conference on Traffic and Transportation Studies, ICTTS 2002, Guilin, P.R. China, July 23-25.
- Pendyala, R.M., I. Ubaka, and N. Sivaneswaran (2002) Development of Geographic Information System-Based Regional Transit Feasibility Analysis and Simulation Tool. 81st Annual Meeting of the Transportation Research Board, TRB, National Research Council, Washington, D.C., January.
- Polzin, S.E., R.M. Pendyala, and S. Navari (2002) Development of Time-of-Day Based Transit Accessibility Analysis Tool. 81st Annual Meeting of the Transportation Research Board, TRB, National Research Council, Washington, D.C., January.
- Kasturirangan, K., R.M. Pendyala, and F.S. Koppelman (2002) Role of History in Modeling Daily Activity Frequency and Duration for Commuters. 81st Annual Meeting of the Transportation Research Board, TRB, National Research Council, Washington, D.C., January.
- Pendyala, R.M., C.R. Bhat, A. Parashar, and G.R. Muthyalagari (2002) Exploration of the Relationship Between Timing and Duration of Maintenance Activities. 81st Annual Meeting of the Transportation Research Board, TRB, National Research Council, Washington, D.C., January.

- Meka, S., R.M. Pendyala, and M.A.W. Kumara (2002) Structural Equations Analysis of Within- Household Activity and Time Allocation Between Two Adults. 81st Annual Meeting of the Transportation Research Board, TRB, National Research Council, Washington, D.C., January.
- Pendyala, R.M. and I. Ubaka (2001) Development and Implementation of a Regional Transit Feasibility Analysis and Simulation Tool. 8th TRB Conference on Application of Transportation Planning Methods, Corpus Christi, Texas, April 22-26.
- Pendyala, R.M. and S. Gangrade (2001) Nested Logit Model of Commuters Activity Schedules. 80th Annual Meeting of the Transportation Research Board, Washington, D.C., January 7-11.
- Cain, A., M.W. Burris, and R.M. Pendyala (2001) Impact of Variable Pricing on Temporal Distribution of Travel Demand. 80th Annual Meeting of the Transportation Research Board, Washington, D.C., January 7-11.
- Muthyalagari, G.R., A. Parashar, and R.M. Pendyala (2001) Measuring Day-to-Day Variability in Travel Characteristics Using GPS Data. 80th Annual Meeting of the Transportation Research Board, Washington, D.C., January 7-11.
- Kitamura, R., T. Yamamoto, K. Kishizawa, and R.M. Pendyala (2001) Prism-Based Accessibility Measures and Activity Engagement. 80th Annual Meeting of the Transportation Research Board, January 7-11, 2001, Washington, D.C.
- Pendyala, R.M. and K. Kasturirangan (2001) Comparison of Commuter Activity Scheduling and Sequencing Behavior Across Geographical Contexts. 80th Annual Meeting of the Transportation Research Board, January 7-11, 2001, Washington, D.C.
- Pendyala, R.M. (2000) Stochastic Frontier Models of Time-Space Prism Vertices to Model Constraints on Personal Activity-Travel Engagement. Invited presentation at the Department of Civil and Environmental Engineering Transportation Seminar, University of Washington, Seattle, WA, October 20.
- Pendyala, R.M. (2000) On the Formulation of Time-Space Prisms to Model Constraints on Personal Activity-Travel Engagement. 9th Annual Meeting of the International Association for Travel Behaviour Research, Gold Coast, Australia, July 2-7.
- Pendyala, R.M. and V.N. Shankar (2000) Freight Travel Demand Modeling: Synthesis of Research and Development of Multi-Level Conceptual Frameworks. 9th Annual Meeting of the International Association for Travel Behaviour Research, Gold Coast, Australia, July 2-7.
- Gangrade, S., K. Kasturirangan, and R.M. Pendyala (2000) A Coast-to-Coast Comparison of Time Use and Activity Patterns. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Pendyala, R.M. and I. Ubaka (2000) Development of a Short-Term Operational Planning Tool for Small Transit Systems. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Sunkanapalli, S., R.M. Pendyala, and A.R. Kuppam (2000) Dynamic Analysis of Traveler Attitudes and Perceptions Using Panel Data. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Pendyala, R.M., V.N. Shankar, and R.G. McCullough (2000) Freight Travel Demand Modeling: Synthesis of Approaches and Development of a Framework. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Kitamura, R., T. Yamamoto, K. Kishizawa, and R.M. Pendyala (2000) Stochastic Frontier Models of Prism Vertices. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Kuppam, A.R. and R.M. Pendyala (2000) Exploratory Analysis of Commuter Activity and Travel Patterns. 79th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., January 9-13.
- Georggi, N.L. and R.M. Pendyala (1999) An Analysis of Long Distance Travel Behavior of the Elderly and Low Income. Conference on Personal Travel: The Long and Short of It, Transportation Research Board, National Research Council, Washington, D.C., June 28 – July 1.
- Pendyala, R.M., P. Chakravarthy, and N. Prabakaran (1999) A Short Term Forecasting Model of Transit Demand and Service. Seventh TRB Conference on Application of Transportation Planning Methods, Boston, Massachusetts, March 7-11.
- Kuppam, A.R., R.M. Pendyala, and S. Rahman (1999) Analysis of Role of Traveler Attitudes and Perceptions in Explaining Mode Choice Behavior. 78th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10-14.

- Yalamanchili, L., R.M. Pendyala, N. Prabakaran, and P. Chakravarthy (1999) Analysis of Activity Chaining Using Lexington, Kentucky GPS Data. 78th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10-14.
- Ubaka, I. and R.M. Pendyala (1998) Application of an Integrated Transit Demand and Supply Model to Service Optimization. Annual Conference of the Association of Collegiate Schools of Planning (ACSP), Pasadena, California, November 5-8.
- Tarinikanti, S., A.R. Kuppam, and R.M. Pendyala (1998) A Comparison of Travel Patterns of a Neo-Traditional Neighborhood Development and a Suburban Residential Development. ITE International Conference on Harmonizing Transportation and Community Goals, Monterey, California, March 1-4.
- Pendyala, R.M. (1998) Analysis of Captive and Choice Transit Rider Behavior Using Panel Data. 8th World Conference on Transport Research, Antwerp, Belgium, July 12-17.
- Kuppam, A.R., J.J. Lu, and R.M. Pendyala (1998) A Comparison of Adaptive Prediction and Linear Regression Models for Real-Time Prediction of Traffic Flow. 8th World Conference on Transport Research, Antwerp, Belgium, July 12-17.
- Aburahmah, A., R.M. Pendyala, and J.J. Lu (1998) A Comparison of Neural Network and Discrete Choice Modeling Methods for Incident Detection. 31st International Symposium on Automotive Technology and Automation, Dusseldorf, Germany, June 2-5.
- Pendyala, R.M. (1998) Synthetic Activity-Travel Pattern Generation for Travel Demand Modeling and Transportation Policy Analysis. Invited presentation at the Department of Civil Engineering, University of Washington, Seattle, May 21.
- Sun, X., M. Emany, R.M. Pendyala, and C.G. Wilmot (1998) Household Travel, Household Characteristics, and Land Use: An Empirical Study from the 1994 Portland Travel Survey. ASCE Conference on Transportation, Land Use, and Air Quality: Making the Connection, Portland, Oregon, May 17-20.
- Pendyala, R.M. (1998) An Analysis of In-Home Activity Engagement Patterns and Their Effect on Travel Behavior. 77th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12-15.
- Pendyala, R.M. (1998) An Analysis of the Effects of Non-Mandatory Activity Engagement and Time Use on Stated Responses to Transportation Control Measures. 77th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12-15.
- Kuppam, A.R., R.M. Pendyala, and M.A.V. Gollakoti (1998) Analysis of the Potential Effectiveness of Parking Pricing Based Transportation Control Measures Using Stated Response Data. 77th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12-15.
- Korimilli, M.S., R.M. Pendyala, and E.R. Murakami (1998) Meta-analysis of Travel Survey Methods. 77th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12-15.
- Liu, R., R.M. Pendyala, and S.E. Polzin (1998) A Simulation of the Effects of Intermodal Transfer Penalties on Transit Use. 77th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12-15.
- Pendyala, R.M., R. Kitamura, and C. Chen (1997) Microsimulation of Synthetic Daily Activity-Travel Patterns for Travel Demand Forecasting. 8th Meeting of the International Association for Travel Behaviour Research, Austin, Texas, September 21-25.
- Pendyala, R.M. and E.I. Pas (1997) Multi-Period and Multi-Day Data for Travel Demand Modeling. Invited Resource Paper Presented at Transport Surveys: Raising the Standard, Eibsee, Germany, May 24-30.
- Kuppam, A.R. and R.M. Pendyala (1997) Analysis of Discrete Stated Responses to Parking Pricing Based Transportation Control Measures. Sixth Conference on the Application of Transportation Planning Methods, Dearborn, Michigan, May 19-23.
- Korimilli, M.S., R.M. Pendyala, and E. Murakami (1997) A Comparison of Travel Survey Methodologies. Sixth Conference on the Application of Transportation Planning Methods, Dearborn, Michigan, May 19-23.
- Kuppam, A.R. and R.M. Pendyala (1997) An Evaluation of Telecommuting as a Means of Sustaining Livable Communities. ITE International Conference on Transportation and Sustainable Communities, Tampa, Florida, March 23-26.
- Pendyala, R.M. (1997) Researcher's Viewpoint: Activity Based Travel Forecasting (invited). 76th Annual Meeting of the Transportation Research Board, Washington D.C., January 12-16.
- Pendyala, R.M. (1997) Activity Sequencing and its Implications for Trip Chaining. First International Conference on Operations and Quantitative Management, Jaipur, India, January 5-8.

- Pendyala, R.M. (1996) Implications of the Federal Travel Model Improvement Program for Florida: Challenges and Opportunities. Transit Travel Demand Modeling Workshop, Daytona Beach, FL, September 23-26.
- Pendyala, R.M. (1995) Congestion Benefits of Highway Automation. Transportation Congress, ASCE Annual Convention, San Diego, CA, October 22-26.
- Pendyala, R.M. (1995) A Rule-Based Activity-Travel Scheduling Algorithm Integrating Neural Networks of Behavioral Adaptation. Conference on Activity Based Approaches, Eindhoven, The Netherlands, May 25-28.
- Pendyala, R.M. (1995) A Region-wide Simulation of Traffic Impacts of Telecommuting using Pilot Survey Results. 74th Annual Meeting of the Transportation Research Board, Washington D.C., January 22-28.
- Pendyala, R.M. (1995) A Panel Analysis of Time Use for Out-of-Home Activity Participation. 74th Annual Meeting of the Transportation Research Board, Washington D.C., January 22-28.
- Pendyala, R.M. (1994) Capacity Analysis of a Semi-Automated Highway. 64th Annual Meeting of the Institute of Transportation Engineers, Dallas, TX, October 16-19.
- Goulias, K.G. and R.M. Pendyala (1994) An Analysis of the Residential Relocation Effects on Modal Split and Frequency of Activity Participation. 73rd Annual Meeting of the Transportation Research Board, Washington D.C. January 9-13.
- Pendyala, R.M., K.G. Goulias, and P.L. Mokhtarian (1994) Assessing Impacts of Telecommuting: Experiences from the California Pilot Project. 73rd Annual Meeting of the Transportation Research Board, Washington D.C. January 9-13.
- Kitamura, R., R.M. Pendyala, and K.G. Goulias (1993) Weighting Methods for Choice Based Panels with Correlated Attrition and Initial Choice. 12th International Symposium on Transportation and Traffic Theory. Berkeley, CA. July 21-23.
- Pendyala, R.M. (1993) Behavioral Travel Demand Models and Their Application to Forecasting: Some Cautionary Notes. Louisiana Department of Transportation and Development Engineering Conference, Baton Rouge, LA. February 7-9.
- Pendyala, R.M. (1993) Causal Analysis in Travel Behavior Research. Presented at the 72nd Annual Meeting of the Transportation Research Board, 1993 Business Meeting of the Committee on Traveler Behavior and Values A1C04. Washington D.C. January 7-10.
- Pendyala, R.M. and R. Kitamura (1992) Weighting Methods in Choice Based Panels with Attrition. First U.S. Conference on Panels for Transportation Planning. Lake Arrowhead, CA. October 25-27.
- Pendyala, R.M., K.G. Goulias, R. Kitamura, and E. Murakami (1992) An Analysis of a Choice-Based Panel Sample: Results from the Puget Sound Transportation Panel. 71st Annual Meeting of the Transportation Research Board, Washington D.C. January 12-16.
- Pendyala, R.M. (1992) A Comparison of Alternative Estimation Methods For Non-Linear Simultaneous Equations Models of Travel Behavior. Seminar on Doctoral Student Research in Transportation Modeling. 71st Annual Meeting of the Transportation Research Board, Washington D.C. January 12-16.
- Golob, T.F. and R.M. Pendyala (1991) Structural Models of the Effects of the Commute Trip on Travel and Activity Participation. North American Meeting of the Regional Science Association International. New Orleans. November 7-10.
- Kitamura, R., R.M. Pendyala, and K.G. Goulias (1991) Impacts of Telecommuting on Workers' Action Space. North American Meeting of the Regional Science Association International. New Orleans. November 7-10.
- Kitamura, R., P.L. Mokhtarian, R.M. Pendyala, and K.G. Goulias (1991) An Evaluation of Telecommuting as a Trip Reduction Measure. 19th PTRC Summer Annual Meeting. University of Sussex, England. September, 1991.
- Pendyala, R.M., L.P. Kostyniuk, and K.G. Goulias (1991) A Repeated Cross Sectional Evaluation of Car Ownership and Trip Making. 6th International Conference on Travel Behavior. Quebec, Canada. May 22-24.
- Pendyala, R.M. and R. Kitamura (1991) A Multivariate Locational Analysis of Urban Retail Activity. 30th Annual Meeting of the Western Regional Science Association. Monterey, CA. February 24-28.
- Pendyala, R.M., K.G. Goulias, and R. Kitamura (1991) Impact of Telecommuting on Spatial Patterns of Household Travel. 70th Annual Meeting of the Transportation Research Board. Washington D.C. January 13-17.
- Goulias, K.G. and R.M. Pendyala (1990) Innovations in Transportation: The Case of Telecommuting. 32nd Annual Meeting of the Transportation Research Forum. Long Beach, CA. October 5-7.
- Goulias, K.G., R.M. Pendyala, and R. Kitamura (1990) Updating a Panel Survey Questionnaire. Third International Conference on Survey Methods in Transportation, Washington D.C. January 5-7.

Pendyala, R.M., K.G. Goulias and R. Kitamura (1990) Impact of Telecommuting on Household Travel. Chevron-UCD Joint Workshop on Energy and Environment in Transportation. University of California, Davis, CA. May 17.