

Piyushimita (Vonu) Thakuriah

Associate Professor

Department of Urban Planning and Policy, University of Illinois at Chicago
412 S. Peoria St., Room 258, Chicago, IL 60607Phone: (312) 355-0447, Fax: (312) 413-0006, Email: vonu-pt@uic.edu**EMPLOYMENT**

- *Associate Professor*, Department of Urban Planning and Policy, University of Illinois at Chicago. Since September 2001.
- *Interim Director*, Urban Transportation Center, University of Illinois at Chicago. August 2005-August 2008.
- *Associate Director for Research Programs*, Urban Transportation Center, University of Illinois at Chicago. September 1999- July 2005.
- *Assistant Professor*, Graduate Program in Urban Planning and Policy, University of Illinois at Chicago. January 1997-August 2001.

FELLOWSHIPS

- *Fellow*, Committee on Institutional Cooperation (CIC) – Academic Leadership Program. Academic Year 2006.
- *Postdoctoral Research Fellow*, National Institute of Statistical Sciences, Research Triangle Park, North Carolina. The fellowship was funded by the National Science Foundation's (NSF) Division of Mathematical Sciences (DMS) Grant Numbers 9313013 "*Measurement, Modeling and Prediction for Infrastructural Systems*" and 9208758 "*Mathematical Sciences: Fellows for Cross-Disciplinary Research in Statistics*". September 1994-December 1996.

EDUCATION

- Ph.D. in Public Policy Analysis (specialization in Transportation Planning), University of Illinois at Chicago. Graduated in August 1994.
 - Dissertation title: *Evaluation of Dynamic Route Guidance in Advanced Traveler Information Systems*.
 - Published as journal articles in *Transportation Research - Part C: Emerging Technologies* and *Mathematical and Computer Modelling*.
- Master of Urban Planning and Policy (MUPP), University of Illinois at Chicago. Graduated in December 1991. Capstone project *Non-Response Bias and Trip Generation Models* published in *Transportation Research Record*, Journal of Transportation Research Board.
- M.A. in Industrial Psychology, University of Delhi, India. Graduated in August 1989.
- B.A. (with Honors) in Psychology, University of Delhi, India. Graduated in September 1987.

RESEARCH INTERESTS

- Transportation and Society
 - Socio-economic and demographic aspects of transportation, including relationship of transportation to labor markets, workforce development and regional/national economies;
 - Equity in planning including mobility and access of low-wage workers, persons with disabilities, minorities and seniors;
 - Transportation safety and operations;
 - International development and planning;
 - Public transportation planning and operations;
 - Innovative transportation solutions (volunteer transportation services, intermodal transportation, collaborative/shared transportation);
 - Performance measurement and transportation program evaluation, survey and sampling design;
- Transportation and Technology
 - Technology Policy, Intelligent Transportation Systems, Computational Transportation Science and Location-Based Services;
 - Statistical, econometric and data mining methods, and Spatial Decision Support Systems;
 - Human-Computer Interaction principles in meeting user needs and generating feedback for technology design;
 - Mobile Digital Divide;
 - Market identification for location-aware technologies.

TEACHING INTERESTS

- Urban transportation planning, operations and policy analysis;
- Statistics and data mining, decision support systems, geospatial analysis methods and simulations;
- User behavior, design and legal aspects of emerging transportation technologies;
- Research design, survey and sampling and program evaluation.

PUBLICATIONS

(Senior author underlined)

BOOK AND CHAIRED PROCEEDINGS

Thakuriah, P. and G. Geers. *Transportation and Information: Trends in Technology and Policy*. Under contract with Springer-Verlag. To be completed in Fall, 2011.

Thakuriah, P., Glenn Geers, Ouri Wolfson and Budhu Bhaduri (eds.) (forthcoming). *Proceedings of 4th ACM SIGSPATIAL International Workshop on Computational Transportation Science*. Held in conjunction with ACM SIGSPATIAL GIS 2011. ACM Press, New York. ACM ISBN: 978-1-4503-1034-5.

REFEREED ARTICLES

- Thakuriah, P. (forthcoming). *Analysis of Cost-Effectiveness of Employment Transportation Services*. In Transportation Research Record, Journal of the Transportation Research Board.
- Tang, L. and P. Thakuriah (forthcoming). *Will the Psychological Effects of Real-time Transit Information Systems Lead to Ridership Gain?* In Transportation Research Record, Journal of the Transportation Research Board.
- Thakuriah, P., S. Soot, C. Cottrill, N. Tilahun, E. Blaise and W. Vassilakis. (forthcoming). *Integrated and Continuing Transportation Services for Seniors: Case Studies of New Freedom Program*. In Transportation Research Record, Journal of the Transportation Research Board.
- Thakuriah, P., L. Tang and W. Vassilakis (forthcoming). *Spatio-Temporal Effects of Real-Time Bus Arrival Time Information*. Proc. of Association of Computing Machinery (ACM) SIGSPATIAL 2011.
- Thakuriah, P. (2011). *Variations in Employment Transportation Outcomes: Role of Site Level Factors*. In Papers in Regional Science. doi: 10.1111/j.1435-5957.2011.00371.x
- Cottrill, C. and P. Thakuriah (2011). *Protecting Location Privacy. Policy Evaluation*. In Transportation Research Record, Journal of the Transportation Research Board, No. 2215, pp. 67-74.
- Thakuriah, P., L. Tang and S. Menchu (2011). *Young Women's Transportation and Labor Market Experiences*. In Women's Issues in Transportation, Vol. 2, National Research Council, pp. 276-287.
- Cottrill, C. and P. Thakuriah (2011). *Privacy and Gender: Reviewing women's attitudes towards privacy in the context of Intelligent Transportation Systems (ITS) and Location Based Services (LBS)*. In Women's Issues in Transportation, Vol. 2, National Research Council, pp. 117-126.
- Thakuriah, P. and N. Tilahun (2010). *Using Real-Time Weather Information in Traveler Information Systems and Location-Based Services: A Statistical Learning Application Under Alternative Experimental Conditions*. In Proc. ACM SIGSPATIAL GIS 2010.
- Thakuriah, P., S. Menchu and L. Tang (2010). *Car-Ownership Among Young Adults: Generational and Period-Specific Perspectives*. In Transportation Research Record, Vol. 2156, pp. 1-8.
- Cottrill, C. and P. Thakuriah (2010). *Evaluating Pedestrian Crashes in Areas with High Low-Income or Minority Populations*. In Accident Analysis and Prevention, Vol. 42, Issue 6, pp. 1718-1728.
- Thakuriah, P. (2010). *Evaluation of Alternative Data Imputation Strategies: A Case Study of Motor Carrier Safety Data*. In Transportation Letters: The International Journal of Transportation Research, Vol. 2, Issue 3, pp. 199-216.

- Metaxatos, P. and P. Thakuriah (2009). *Planning for Bus-on-Shoulders Operations in Northeastern Illinois: A Survey of Stakeholders*. In Transportation Research Record, Vol.2111, pp. 10-17.
- Thakuriah, P. (2009). *Transportation and Employment Accessibility in a Changing Context of Metropolitan Decentralization: The Case of Delhi, India*. In Projections, the MIT Planning Journal, Vol. 9, pp. 60-80.
- Cottrill, C. and P. Thakuriah (2008). *GPS Adoption by Households: Evidence from a Household Travel Survey*. In Proc. MobiQuitous 2008, 5th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services.
- Minocha, I., P. S. Sriraj, P. Metaxatos and P. Thakuriah (2008). *Analysis of Transit Quality of Service and Employment Accessibility for the Greater Chicago, Illinois, Region*. In Transportation Research Record, Vol. 2048, pp. 20-29.
- Thakuriah, P. and Y. Liao (2007). *Transportation Expenditures and Ability to Pay. Evidence from Consumer Expenditure Survey*. In Transportation Research Record, Vol. 1985, pp.257-267.
- Thakuriah, P., P.S Sriraj, S. Soot and Y. Liao (2007). *Determinants of Perceived Importance of Targeted Transportation Services for Low-Income Riders*. In Transportation Research Record, Vol. 1986, pp. 145-153.
- Sriraj, P.S., M. Minor and P. Thakuriah. (2006). *Spatial Decision Support System for Low-Income Families: Relocation Tool for the Chicago, Illinois, Region*. In Transportation Research Record, No 1956, pp. 119-126.
- Thakuriah, P. and Y. Liao. (2006). *An Analysis of Variations in Vehicle-Ownership Expenditures*. In Transportation Research Record, No. 1926, pp. 1-9.
- Thakuriah, P., S. Soot, P.S. Sriraj, Y. Liao and G. Berman. (2006) *Activity and Travel Changes of Job Access Transportation Service Users: Analysis of a User Survey*. In Transportation Research Record, No. 1927, pp. 55-62.
- Lee, J. and P. Thakuriah (2004). *Probabilistic Linkage of Commercial Motor Vehicle and Carrier Data*. In the Journal of Transportation Research Forum, Vol. 43, No. 2, Fall, pp. 37-52.
- Sinha, A. and P. Thakuriah (2004). *Relationship of Occupational, Industry and Socioeconomic Characteristics and Job Start Times: Evidence from Current Population Survey*. In Transportation Research Record, Vol. 1894, pp 67-74.
- Thakuriah, P. (2002). *Commercial Motor Carrier Operations in Northeast Illinois Region: Impacts on Land Use Trends Since 1970*. In "Suburban Sprawl Private Decisions and Public Policy". Eds. Wim Wiewel and Joseph J. Persky. New York: M.E. Sharp, Inc, pp. 115-134.
- Sacks, J., N. Roupail, B. Park and P. Thakuriah. (2002). *Statistically-Based Validation of Computer Models in Traffic Operations and Management*. In Journal of Transportation and Statistics, Vol. 5, Issue 1, pp. 1-15.

- Thakuriah, P. (2001). *Introduction to the Special Issue on Methodological Issues in Accessibility Measures with Possible Policy Implications*. In *Journal of Transportation and Statistics*, Vol.4, Nos. 2/3, Sept.-December.
- Thakuriah, P., J. Lee, G. Yanos and A. Srinivasan (2001). *Motor Carrier Safety: An Assessment of Enforcement Strategies*. In *Transportation Research Record*, No. 1779, pp. 150-156.
- Thakuriah, P., D. Virmani, S. Yun, and P. Metaxatos (2001). *Estimation of Demand for Intercity Travel: Issues with the American Travel Survey*. In the *Proceedings of Transportation Research Board Conference on Personal Travel: The Long and Short of It*. In *Transportation Research Circular*, No. E-C026, pp. 255-270.
- Thakuriah, P. and P. Metaxatos. (2000). *Effect of Residential Location and Transportation on Employment Opportunities*. In *Transportation Research Record*, Vol. 1726, pp. 24-32.
- Thakuriah, P., A. Sen and A. Karr. (1999). *Probe-Based Surveillance for Travel Time Information in ITS*. In "Behavioral and Network Impacts of Driver Information Systems". Edited by Richard Emmerink and Peter Nijkamp. Ashgate Publishing Ltd, England, pp. 393- 425.
- Sen, A., P. Metaxatos, S. Soot and P. Thakuriah (1999). *Estimation of Demand due to Welfare Reform*. In *Papers in Regional Science*, Vol. 78, No. 2, pp. 195–211.
- Metaxatos, P., S. Soot, P. Thakuriah and A. Sen (1999). *Transportation Planning Process for Linking Welfare Recipients to Jobs*. In *Transportation Research Record*, No. 1626, pp. 149-158.
- Sen, A., P. Thakuriah, X. Zhu and A. Karr. (1999). *Variances of Link Travel Time Estimates: Implications for Optimal Routes*. In *International Transactions in Operational Research*, the *Journal of the International Federation of Operations Research Societies*, Vol. 6, pp. 75-87.
- Sen, A., S. Soot, P. Thakuriah, H. Condie. (1998). *Estimation of Static Travel Times in a Dynamic Route Guidance System - II*. In *Mathematical and Computer Modelling*, Vol. 27, No. 9-11, pp. 67-85.
- Sen, A., P. Thakuriah, X. Zhu and A. Karr. (1997). *Frequency of Probe Reports and Variance of Travel Time Estimates*. In *Journal of Transportation Engineering*, Vol. 123, No. 4, July/August, pp. 290-297.
- Thakuriah, P. and A. Sen (1996). *Quality of Information given by Advanced Traveler Information Systems*. In *Transportation Research Part C: Emerging Technologies*, Vol. 4, No. 5, pp. 249-266.
- Thakuriah, P., A. Sen, S. Soot and E. Christopher (1996). *Non-response and Urban Travel Models*. In *Transportation Research Record*, No. 1551, pp. 82-87.
- Sen, A. and P. Thakuriah (1995). *Estimation of Static Travel Times in a Dynamic Route Guidance System*. In *Mathematical and Computer Modelling*, Vol. 22, No. 4-7, pp. 83-101.

Soot, S., A. Sen, J. Marston and P. Thakuriah (1995). *Multiworker Household Travel Demand*. In National Personal Transportation Survey Report Series, Demographic Special Reports, U.S. Department of Transportation, Federal Highway Administration, February.

Thakuriah, P., A. Sen, S. Soot and E. Christopher (1993). *Non-response Bias and Trip Generation Models*. In Transportation Research Record, No. 1412, pp. 64-70.

BOOK REVIEW

Thakuriah, P. (2001). Review of “Urban Transportation Planning: A Decision-Oriented Approach” by Michael Meyer and Eric Miller. In ASCE Journal of Transportation Engineering, Vol. 127, No. 454.

EXTERNAL FUNDED RESEARCH

I have raised close to **\$4.5 million** as sole Principal Investigator, and leveraged an additional **\$11.7 million** as Co-P.I. or researcher. I also managed close to **\$7 million** between 2005 and 2008 as Interim Director of the Urban Transportation Center in the University of Illinois at Chicago].

GRANTS AS PRINCIPAL INVESTIGATOR

Role	Title	Sponsor	Period
P.I.	Next Generation Intermodal Passenger Transportation System	Illinois Department of Transportation	2011-2012
P.I.	Analysis of Bicycle Crashes in Chicago Metropolitan Area	Active Transportation Alliance and Chicago Department of Transportation	2011-2012
P.I.	Post-Implementation Evaluation Of Emissions Benefits Of CMAQ Projects: Phase 2	Chicago Metropolitan Agency for Planning	2010-2011
P.I.	Transportation Alternatives for Persons with Disabilities	U.S. Department of Transportation, Federal Highway Administration Eisenhower Graduate Fellowship (awarded to advisee William Vassilakis)	2010-2011
P.I.	Analysis of Employment Transportation Services for the JobLinks Program	U.S. Department of Labor through the Community Transportation Association of America	2009-2010
P.I.	Evaluation of Transportation for Disadvantaged Populations	U.S. Department of Transportation, Federal Transit Administration	2008-2009

P.I.	Locational Privacy: Legal and Policy Options	U.S. Department of Transportation, Federal Highway Administration Eisenhower Graduate Fellowship (awarded to advisee Caitlin Cottrill)	2008-2010
P.I.	Post-Implementation Evaluation Of Emissions Benefits of CMAQ Program	Chicago Metropolitan Agency for Planning	2008-2009
P.I.	Design of Special Events, Weather and Construction Delay Component of a Dynamic Traveler Information System	NAVTEQ, LLC	2007-2008
P.I.	Bus on Shoulders	Illinois Department of Transportation	2007-2008
P.I.	Human Service Transportation Survey	Community Transportation Association of America	2007-2008
P.I.	Lipinksi/Randolph Scholarship Program	Illinois Department of Transportation	2005-2006
P.I.	Planning Partners and economic Impacts Study	U.S. Department of Transportation, Federal Transit Administration	2005-2006
P.I.	Employment Transportation Partnerships and Economic Benefits	U.S. Department of Labor through the Community Transportation Association of America	2005-2006
P.I.	System-Wide Information for Transportation Assessment and Research	U.S. Department of Transportation, Federal Highway Administration	2005-2008
P.I.	Eisenhower Graduate Fellowship (awarded to advisee Jiangping Zhou)	U.S. Department of Transportation, Federal Highway Administration	2004-2005
P.I.	Partnership for Low-Income Worker Accessibility	U.S. Department of Labor JobLinks Program through the Community Transportation Association of America	2003-2004
P.I.	Economic Benefits of Intelligent Transportation Systems (ITS) to the Chicago Metropolitan Area	Illinois Department of Transportation through the Metropolitan Transportation Support Initiative	2003-2004
P.I.	Impact of Transit on Low-Income Populations	U.S. Department of Transportation, Federal Transit Administration	2001-2010
P.I.	Development, Testing and Evaluation of Intelligent Databases for Motor Carrier Safety	U.S. Department of Transportation, Bureau of Transportation Statistics	2000-2001

P.I.	Development, Testing and Evaluation of Intelligent Databases for Motor Carrier Safety	Illinois Department of Transportation match to BTS grant	2000-2001
P.I.	Initiative for Access to Jobs and Economic Opportunities	Illinois Board of Higher Education through University of Illinois at Chicago's Office of Vice-Chancellor for Research to match FTA Grant	2001-2003
P.I.	Initiative for Access to Jobs and Economic Opportunities	Illinois Board of Higher Education through University of Illinois at Chicago to match FTA grant	2002-2003
P.I.	Development of a Midwest Personal Travel Demand Model	Illinois Department of Transportation through the Metropolitan Transportation Support Initiative	1999-2000
P.I.	Preliminary Technology Guidelines for an Intelligent Transportation Systems (ITS) Deployment in Malaysia: Implications for a Revenue Model	Oyster Solutions, New Delhi, India and Sinar Dian Technologies SDN BHD, Kuala Lumpur, Malaysia	1999-2000
P.I.	Statistical Support Service for National Transit Database	Pace, suburban Chicago bus division	1998-1999
P.I.	Implications of the Welfare Reform Bill on Suburban Chicago Transit Demand: Some Strategies for Pace	Pace, suburban Chicago bus division	1997-1998
P.I.	Evaluation of RT-TRACS Adaptive Signal Control	Chicago Department of Transportation	2000-2001
P.I.	Intermodal Safety Issues in Northeastern Illinois	Illinois Transportation Research Consortium (subcontract from Northwestern University)	1998-1999
P.I.	Comparison of Interstate and Intrastate Commercial Motor Vehicle Safety	Illinois Transportation Research Consortium	1998-1999

GRANTS AS CO-PRINCIPAL INVESTIGATOR OR RESEARCH AFFILIATE

Role	Title	Sponsor	Period
Co-PI	Land-Use and Economic	National Center for Freight and Infrastructure Research - University of Wisconsin	2008-2010
Co-PI	IGERT: Integrative Graduate Program in Computational Transportation Science	National Science Foundation	2005-2010
Co-PI	Transit Strategies Targeting Elderly People	Illinois Center for Transportation	2007-2008

Co-PI	Transportation and Welfare Reform	Illinois Department of Human Services	1998-1999
Co-PI	Travel Information, Access to Economic Opportunities and Environmental Justice	Chicago Area Transportation Study	2000-2001
Researcher	Transportation Infrastructure and Network Modeling	National Science Foundation's (NSF) through the National Institute of Statistical Sciences (NISS)	1996-2000
Co-PI	Intermodal Safety Issues in Northeastern Illinois	Illinois Department of Transportation	1998-1999
Co-PI	Highways and Urban Decentralization	Illinois State Toll Highway Authority	1997-1999
Co-PI	Urban Decentralization	Illinois State Toll Highway Authority	1997-2000
Researcher	Metropolitan Initiative/Case Studies	Brookings Institute	1998-1999
Researcher	Modeling and Prediction for Infrastructural Systems (National Institute of Statistical Sciences)	National Science Foundation	1993-1999
Researcher	Fellows for Cross-Disciplinary Research in Statistics (National Institute of Statistical Sciences)	National Science Foundation	1993-1999

SIGNIFICANT COLLOQUIA, INVITED PRESENTATIONS AND PANEL LEADERSHIP

NSF CyberGIS Workshop. *Geospatial Interoperability, Semantics, and Representation*. Panel co-chair (with Timothy Nyerges, University of Washington), Oak Ridge National Labs, Oak Ridge, TN on Sept. 29, 2011.

Transportation Research Board Annual Conference, Washington, DC. *Workshop on Pervasive Data in Transportation*. Panel Co-Organizer (with Harvey Miller, University of Utah) on January 23, 2011.

Research and Innovative Technology Administration, US Department of Transportation, Washington, DC. *Cooperative Data Sharing: Issues and Challenges*. Invited presentation in Workshop on the IntelliDriveSM Program on April 28, 2010.

Leibniz Center for Informatics, Dagstuhl, Germany. *Humans, Society and the Economy in the Context of Computational Transportation Science*. Invited attendance and

- presentation in Workshop on Computational Transportation Science on March 25, 2010.
- Panel on Technology and Innovations held by U.S. House of Representatives Chair Jim Oberstar and Congressman Daniel Lipinski, Chicago. *Intelligent Transportation Systems Research Needs*. Invited presentation on March 5, 2010.
- Ministry of Urban Development, Government of India, New Delhi, India and Institute of Urban Transportation, India. *Collaborative, Content-Rich Intelligent Transportation Systems for Urban Transport*. Invited presentation on Dec, 4, 2009.
- University of Illinois at Chicago Supply Chain Management and Freight Transportation Symposium Panel. *Transportation Reauthorization: The University Perspective*. Invited presentation and panel discussant on Nov. 19, 2009.
- National Conference on Smart Transportation, Brisbane, Australia. *Smart Transportation and Computational Transportation Science*. Specially invited international guest and keynote workshop presenter on April 22, 2009.
- U.S. House of Representatives Science Committee Staff. *R&D Priorities for Green House Gas Reduction*. Information provided by phone interview on March 20, 2009.
- ITS World Congress Special Session, New York, NY. *Industry-University R&D Collaboration on Intelligent Transportation Systems*. Panel leader of faculty and researchers from USA, Australia and Europe on November 18, 2008.
- Chicago Metropolitan Agency for Planning, Chicago, IL. *Economic Benefit Estimation of Employment Transportation Services*. Invited speaker, November 14, 2008.
- North American Travel Monitoring Exposition and Conference, Washington, D.C. *Private Sector Data Sharing Agreements*. Panel leader on August 8, 2008.
- University of Tennessee, Knoxville, TN, Department of Civil Engineering and Center for Transportation Research. *Interdisciplinary Transportation Research – Challenges and Opportunities in Use-Inspired Research, Education and Services*. Invited seminar on July 14, 2008.
- U.S. House of Representatives Committee on Transportation and Infrastructure (Congressmen James Oberstar and Daniel Lipinski.) *Freight Congestion and Employment Transportation in the Chicago Metropolitan Area*. Testimony on June 17, 2008.
- National Resource Center for Human Service Transportation Coordination. *Human Service Transportation Plans: State of the Practice*. Invited speaker in seminar held in the U.S. Department of Transportation Conference Center on Jan. 17, 2008.
- Tongji University, College of Architecture and Urban Planning, Shanghai, China. *Mobility and Accessibility for the Urban Poor: Policies, Analysis and Implementation Strategies*. Invited colloquium on October 8, 2007.
- ITS World Congress Special Session, Beijing, China. *ITS and Higher Education*. Panel leader of faculty and researchers from Australia, Europe, Japan, China and Canada. October 13, 2007.

- ITS World Congress Special Session, Beijing, China. *IGERT: A Doctoral Program in Computational Transportation Science*. Invited presentation made in Special Session on ITS and Higher Education. In the Intelligent Transportation Systems World Congress, Beijing, China, on October 13, 2007.
- Joint Census Bureau and Brookings Institute Workshop on Local Employment Dynamics (in Brookings Institute, Washington, D.C.) *LEHD: Potential for Transportation Planning and Programming*. Invited presentation on Feb. 1, 2007.
- University of Michigan, Ann Arbor, Center for Complex Systems. *Modeling Accessibility and Equity: The Indian Context*. Invited presentation on November 17, 2006.
- NAVTEQ, LLC, Chicago, IL. *Design of a Prototype Travel Time Information System for Dynamic Content Dissemination and Management*. Invited speaker, October 25, 2006.
- Global Foundation for Democracy and Development (FUNGLODE), Santo Domingo, Dominican Republic. *Planning, Urban Transportation Systems: Land-Use, Economic Development and Sustainability Interactions*. Invited colloquium on May 27, 2006.
- Government of Dominican Republic, Santo Domingo, Dominican Republic. *Urban Transportation Systems: Issues and Analysis*. Invited colloquium on May 26, 2006.
- Federal Reserve Bank of Chicago and Illinois Welfare Policy Symposium. *Transportation for Low-Income Employment and Discretionary Trips. Review of Recent Trends*. Panelist in Illinois Welfare Policy Symposium on May 24, 2006.
- School of Planning and Architecture, New Delhi, India. *Elements of the U.S. Regional Transportation Planning Process: Overview of the Chicago Area Transportation Plan*. Invited colloquium on December 6, 2004.
- Community Transportation Association of America Expo, Seattle, WA. *Partnerships for Low-Income Worker Transportation*. Invited speaker, July 2004.
- Northwestern University, Transportation Center, Evanston, IL. *Accessibility for Low-Income Workers. Needs Assessment, Trends and Evaluation*. Invited speaker in Northwestern University Transportation Center Seminar Series on Dec. 4, 2003.
- Community Transportation Association of America Expo, Philadelphia, PA. *Low-Income Worker Accessibility: Survey of JARC-Funded Transit in 23 Sites*. Invited speaker, June, 2003.
- U.S. Senate Committee on Environment and Public Works (Senator James Inhofe). *Illinois Transportation: The Crossroads of Our Nation*. Testimony on April 7, 2003.
- Interpreting Neighborhood Change, Voorhees Center, Chicago. *Spatial Accessibility to Economic Opportunities: Concepts, Measurement and Implications for Low-income Populations*. Invited speaker, April 4, 2003.
- United States Department of Transportation, Bureau of Transportation Statistics. *Data Linkage Issues: Some Considerations and Applications*. Invited speaker, June 11, 2002.

International Symposium on Intelligent Transportation Systems in Emerging Nations hosted by ITS America, World Bank, Inter-American Development Bank, Washington, DC. *ITS and Planning in Emerging Markets*. Invited speaker on May 2, 2002.

University of Illinois at Urbana-Champaign, IL, GIS Colloquium Series hosted by the Departments of Planning and Geography. *Access to Economic Opportunities. Policy and Methodological Issues*. Invited speaker, February, 2000.

University of Wisconsin. *Transportation Systems. Planning to Make It Take Us Where We Want To Go*. Invited speaker in the University of Wisconsin Spring College Program. April, 2000.

Northwestern University/University of Chicago. Joint Center for Poverty Research. Invited presentation as member of a panel on *Transportation and Welfare Reform*. December 15, 1998.

University of Illinois at Chicago. Department of Mathematics, Statistics and Computer Science. *Estimation of Travel Times on Arterial Street Networks*. Invited colloquium. April 4, 1998.

Transportation Research Board Annual Conference, Washington D.C. *Welfare Reform and Women's Travel Needs*. Invited presentation, Panel on Transportation and Welfare Reform. January, 1998.

Massachusetts Institute of Technology, Cambridge, MA. *Quality of Route Guidance in Probe-based Advanced Traveler Information Systems*. Invited colloquium in the Department of Civil and Environmental Engineering. May 1995.

University of Florida, Gainesville, FL. *Transportation Planning and Intelligent Vehicle Highway Systems*. Invited colloquium in the School of Planning and Architecture. April 1994.

Indian Institute of Technology, New Delhi, India. *Implementation of a Dynamic Route Guidance System: Issues and Considerations*. Invited colloquium. December 1992.

CONFERENCE PRESENTATIONS

(Starred items indicate a full paper)

Presentation of Fully Refereed Papers (Paper in Conference Proceedings)

**Analysis of Cost-Effectiveness of Employment Transportation Services*. Presented in 88th Transportation Research Board Annual Conference, Jan. 2011.

**Will the Psychological Effects of Real-time Transit Information Systems Lead to Ridership Gain?* Presented in 88th Transportation Research Board Annual Conference, Jan. 2011. (With L. Tang)

* *Integrated and Continuing Transportation Services for Seniors: Case Studies of New Freedom Program*. Presented in 88th Transportation Research Board Annual

- Conference, Jan. 2011. (With S. Soot, C. Cottrill, N. Tilahun, E. Blaise and W. Vassilakis).
- **Protecting Locational Privacy. Policy Evaluation.* Presented in 88th Transportation Research Board Annual Conference, Jan. 2011. (With C. Cottrill).
 - **Incorporating Weather Information into Real-Time Speed Estimates: Comparison of Alternative Models.* Presented in 88th Transportation Research Board Annual Conference, Jan. 2011. (With N. Tilahun).
 - **Using Real-Time Weather Information in Traveler Information Systems and Location-Based Services.* Presented in 18th International Conference on Advanced in GIS, ACM SIGSPATIAL GIS, San Jose, CA, November 2010. (With N. Tilahun)
 - **Sketch Planning Methodology for Determining Interventions in Bicycle and Pedestrian Crashes: An Ecological Approach.* Presented in 87th Transportation Research Board Annual Conference, Jan. 2010. (With Cottrill, C., N. Thomas and S. Vaughn)
 - **Car-Ownership Among Young Adults: Generational and Period-Specific Perspectives.* Presented in 87th Transportation Research Board Annual Conference, Jan. 2010. (With L. Tang and S. Menchu)
 - **Young Women's Transportation and Labor Market Experiences.* Presented in Transportation Research Board Conference on Women's Issues, October, 2009, Irvine, CA. (With L. Tang and S. Menchu).
 - **Planning for Bus-on-Shoulders Operations in Northeastern Illinois: A Survey of Stakeholder.* Presented in 88th Transportation Research Board Annual Conference, Jan. 2009. (With P. Metaxatos)
 - **A Networked Approach to Planning for Deployment of Intelligent Transportation Systems.* Presented in ITS World Congress 2008, November 18, New York, NY (With C. Cottrill and T. Gustafson).
 - **GPS Use by Households: Early Indicators of Privacy Preferences regarding Vehicle Infrastructure Integration and Ubiquitous Mobility Information Access.* Presented in ITS World Congress 2008, November 18, New York, NY. (With C. Cottrill).
 - **Including Weather Effects in Real-Time Traffic Information Environment - Exploratory Analysis and Alternative Models.* Presented in ITS World Congress 2008, November 18, New York, NY (With G. Yanos, J. Lin, P. Metaxatos, R. Sulo, W. Pu and L. Mbekeani).
 - **GPS Adoption by Households: Evidence from a Household Travel Survey.* Presented in First International Workshop on Computational Transportation Science IWCTS 08, July 21, 2008, Trinity College Dublin, Ireland. Held in conjunction with: The Fifth International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2008). (With C. Cottrill).
 - **Longitudinal Analysis of Effect of Transportation Difficulties on Earnings Among Young Adults from Disadvantaged Families.* Paper presented in January, 2008 annual meetings of the Transportation Research Board, Washington, DC. (With L. Tang)

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- **Cost-Effectiveness Analysis of Job Access and Reverse Commute Program*. Paper presented in January, 2008 annual meetings of the Transportation Research Board, Washington, DC. (With P.S. Sriraj and T. Schmidt)
 - **Evaluating Pedestrian Risk in Environmental Justice Areas*. Paper presented in January, 2008 annual meetings of the Transportation Research Board, Washington, DC. Paper presented in January, 2008 annual meetings of the Transportation Research Board, Washington, DC. (With C. Cottrill)
 - **Analysis of Transit Quality of Service and Employment Accessibility for the Greater Chicago Region*. Paper presented in January, 2008 annual meetings of the Transportation Research Board, Washington, DC. (With. I. Minocha, P.S. Sriraj and P. Metaxatos).
 - **Relationship of Attitudes towards Road and Transit Capital Investments and Propensity to Ride Transit Given Traveler Information*. Paper presented in January, 2007 annual meetings of the Transportation Research Board, Washington, DC. (with L. Tang)
 - **An Examination of Anticipated Behavioral Responses to Real-Time Transit Information Systems*. Paper presented in World Conference on Transport Research Society, Berkeley, CA, July 2007. (With L. Tang)
 - **Transportation Expenditures and Ability to Pay: Evidence from the Consumer Expenditure Survey*. Paper presented in January, 2006 annual meetings of the Transportation Research Board, Washington, DC. (With Y. Liao)
 - **Determinants of Perceived Importance of Targeted Transportation Services for Low-Income Riders*. Paper presented in January, 2006 annual meetings of the Transportation Research Board, Washington, DC. (With P.S. Sriraj, S. Soot and Y. Liao)
 - * *Housing Relocation Assistant: A Housing Relocation Tool for the Chicagoland Area*. Paper presented in January, 2006 annual meetings of the Transportation Research Board, Washington, DC. (With P.S. Sriraj and M. Minor)
 - * *A Spatial Decision Support System for Transit and Housing Markets using the Analytic Hierarchy Process and Interactive GIS*. Paper presented and published in Proceedings of the Applications of Advanced Transportation Technology of the American Society of Civil Engineers, Chicago, August 2006. (With P.S. Sriraj and M. Minor)
 - **An Analysis of Variations in Vehicle-Ownership Expenditures*. Presented in Transportation Research Board Annual Conference, January 2005. (With Y. Liao)
 - * *Job Access Services and Programs for Low-Income Workers: Some Comments*. Paper presented in City Futures International Conference, Chicago, IL, July, 2004.
 - **Relationship of Occupational, Industry and Socioeconomic Characteristics and Job Start Times: Evidence from Current Population Survey*. Presented in Transportation Research Board Annual Conference, January 2004. (With A. Sinha)

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- **Activity and Travel Changes of Job Access Transportation Service Users: Analysis of a User Survey*. Presented in Transportation Research Board Annual Conference, January 2005. (With S. Soot, P. S. Sriraj, Y. Liao and G. Berman)
 - **Model-Based Estimates of Transportation Safety Data Quality*. Paper presented in Hong Kong Society for Transportation Studies 2004 Conference, December 2004, Hong Kong.
 - **Application of Probabilistic Linkage to Commercial Motor Vehicle and Carrier Data*. Presentation made in the Transportation Research Board Annual Conference, January 13, 2003. (With J. Lee)
 - **An Evaluation of Alternative Signal Control Strategies*. Paper presented and published in the Proceedings of the 9th World Congress on ITS, Chicago, IL, October 16, 2002.
 - **Spatial Data Integration for Low-Income Worker Accessibility Assessment: A Case Study of the Chicago Metropolitan Area*. Paper presented in the Mid-Continent Transportation Symposium, Iowa State University, Ames, Iowa, August 2003. (With J. Ortega and P.S. Sriraj)
 - * *Data Quality Criteria for Evaluating Commercial Motor Carrier and Vehicle Databases*. Presentation made in the Transportation Research Board Annual Conference, Washington, DC, January 22, 2002.
 - **Effect of Residential Location and Transportation on Employment Opportunities*. Paper presented in the Seventy-ninth Annual Meetings of the Transportation Research Board (TRB), Washington, DC, January 2000. (With P. Metaxatos)
 - **Factors Contributing to Growth in VMT*. Paper presented in the Seventy-ninth Annual Meetings of the Transportation Research Board (TRB), Washington, DC, January 2000. (With S. Soot)
 - **Estimation of the Demand for Inter-city Travel: Issues with Using the American Travel Survey*. Paper presented in the Transportation Research Board Mid-Summer Conference, Personal Travel: The Long and Short of It, Washington, D.C., July 1999. (With D. Virmani, S. Yun, and P. Metaxatos)
 - **Link Travel Time Estimation with Imputed Signal Control*. Presentation made in Transportation Research Board Annual Meetings, Washington, D.C. 1998.
 - **Nonresponse and Urban Travel Models*. Paper presented in Transportation Research Board Annual Meetings, Washington, D.C. 1996. (With A. Sen, S. Soot, E. Christopher)
 - **A Model for Evaluating Decisions for Advanced Traveler Information Systems*. Presentation in INFORMS, a meeting of the Operations Research Society of America/The Institute of Management Sciences [ORSA/TIMS], New Orleans, November 1995. (With A. Sen)
 - **Variances of Link Travel Times: Implications for Optimal Routes*. Paper presented in Annual Conference of International Federation of Operations Research Societies [IFORS], St. Louis, Missouri, October 1995. (With A. Sen)

**Non-response Bias and Trip Generation Models*. Paper presented in Transportation Research Board Annual Meetings, Washington, D.C. 1994. (With A. Sen, S. Soot and E. Christopher)

Presentation of Abstract-Reviewed Full Papers (some with discussant)

**Mobility for Persons with Disabilities: Examining the Case of New Freedom Service Users*. Presented in ACSP Annual Conference, Minneapolis, October, 2010. (With N. Tilahun, S. Soot, W. Vassilakis).

**Evaluating Pedestrian Risk in Areas with High Low-Income or Minority Populations*. Presented in ACSP Annual Conference, Minneapolis, October, 2010. (With Cottrill, C.)

**Dynamic Microsimulation of Transportation and Labor Markets*. Presented in the International Association of Travel Behavior Research, Dec. 2009, Jaipur, India. (With Persky, J. and S. Soot).

**Outcome-Based Evaluation of Employment Transportation Services. Net User, Non-User and Societal Benefits*. Paper presented in the Association of Collegiate Schools of Planning (ACSP)-Association of European Schools of Planning (AESOP) Annual Conference, Chicago, June 11, 2008. (With P.S. Sriraj, J. Persky and L. Tang).

**A Spatial Decision Support System for Transportation Planning using Urban Indicators for the Chicago Area*. Paper presented in the ACSP-AESOP Annual Conference, Chicago, June 10, 2008. (With P.S. Sriraj; P. Metaxatos, T. Swarup, L. Dirks, I. Minocha)

**Decision Problems In Intelligent Transportation Systems Project Selection, Prioritization And Sequencing*. Paper presented in the ACSP Annual Conference, Milwaukee, Oct 20, 2007. (With C. Cottrill and T. Gustafson).

**Ridership Effects of Real-time Transit Traveler Information Systems*. Paper presented in the ACSP Annual Conference, Milwaukee, Oct 21, 2007. (With L. Tang)

**An Examination of the Simultaneous Relationship between Transportation Expenditures and Household Incomes*. Presentation made in the 11th International Conference on Travel Behaviour Research, Kyoto, August 2006.

**Variations in Outcomes of Targeted Transportation Services*. Paper presented in Oct. 2005 Association of Collegiate Schools of Planning conference, Kansas City, MO.

**A Spatial Decision Support System for Transit and Housing Markets using the Analytic Hierarchy Process and Interactive GIS*. Paper presented in Oct. 2005 Association of Collegiate Schools of Planning conference, Kansas City, MO. (With P.S. Sriraj and M. Minor)

**A Longitudinal Analysis of Effects of Adequate Transportation Access in Young Adulthood*. Paper presented in Nov. 2005 North American Regional Science Council, Las Vegas, NV. (With Y. Liao)

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- **Multilevel Linear Modeling of Household Vehicle Usage*. Paper presented in Nov. 2005 North American Regional Science Council, Las Vegas, NV. (With Y. Liao)
 - **Transportation Expenditures: Evidence from the Consumer Expenditure Survey*. Presentation in the North American Regional Science Council (NARSC), Philadelphia, Nov. 2003. (With Y. Liao)
 - **Highway Expenditure and Economic Performance: Exploratory Analysis in a Multi-Year Cross-country Setting*. Paper presented in the North American Regional Science Council (NARSC), Philadelphia, Nov. 2003. (With S. Niumpradit)
 - **Cross-Sectoral Conceptualization of Job Accessibility Projects: A Spatial Multi-Criteria Decision Support System Application*. Paper presented in the North American Regional Science Council (NARSC), Philadelphia, Nov. 2003. (With J. Ortega)
 - **Cross Country Adoption of Intelligent Transportation Systems: The Case of Electronic Toll Collection Systems*. Presentation made in the Association of Collegiate Schools of Planning (ACSP) Conference, Baltimore, MD, November 23, 2002. (With S. Niumpradit)
 - **Framework for Intercity Travel Demand Modeling in the United States*. Paper presented in the Annual North American Meetings of the Regional Science Association International, Montreal, Canada, November 1999.
 - **An Assessment of Needs for Access to Jobs*. Paper presented in the Annual Meetings of the Association of Collegiate Schools of Planning, Chicago, November 1999. (With P. Metaxatos)
 - **Application of ITS to improve ground access control and traveler information in major airports*. Paper presented in the Institute of Transportation Engineers Annual Conference, Las Vegas, Nevada, August 1999.
 - **Impact of Land Use and Transportation on Company Location Preference*. Presentation in the Annual Meeting of the North American Regional Science Council, Santa Fe, New Mexico. November, 1998. (With A. Sen and S. Soot)
 - **Estimation of Demand due to Welfare Reform*. Paper presented in the Annual North American Regional Science Council, Buffalo, New York, November 1997. (With A. Sen, P. Metaxatos, S. Soot)
 - **Traveler Learning and Route Choice*. Presented in the Annual Meeting of the North American Regional Science Council, Cincinnati, 1995. (With A. Sen)
 - **Characterization of Imperfection in Information given by Advanced Traveler Information Systems*. Paper presented in the North American Regional Science Council Annual Conference, Niagara Falls, Canada, November, 1994. (With A. Sen)
 - **Evaluation of Route Quality in an Advanced Traveler Information System*. Paper presented in the North American Regional Science Council Annual Conference, Houston, November 1993. (With A. Sen)

**Development of a Short-Term Travel Time Prediction System for a Dynamic Route Guidance System.* Paper presented in the North American Regional Science Council Annual Meeting, November 1992. (With A. Sen)

**Entropy Maximization and Spatial Interaction Models.* Paper presented in the North American Regional Science Council Annual Conference, Chicago, November 1992. (With A. Sen)

Presentations in Pre-Organized Conference Sessions

Economic and Social Urban Indicators: A Spatial Decision Support System for Chicago Area Transportation Planning. Presentation in the Association of American Geographers Annual Conference session on *SDSS Development: Learning from Real World Experiences*, Boston, April 16, 2008.

**Transportation and Employment Accessibility In A Changing Context Of Metropolitan Decentralization: Case of New Delhi, India.* Paper presented in Pre-Organized Session: *Urban Work/Labor: The Politics and Ethics of the Changing Development Debate* in the Annual Meetings of Association of Collegiate Schools of Planning (ACSP), Milwaukee, Oct 18, 2007.

Markov Chain Monte Carlo: Application for Imputation of Transportation Databases. Presentation made in session on *Markov Chain Monte Carlo in Action*, Transportation Research Board Annual Conference, January 14, 2003.

Intelligent Transportation Systems for Economies in Transition. Presentation made in the ITS America Annual Meetings, Miami Beach, FL, June 4, 2001.

Data Needs for Evaluation of Adaptive Signal Control Systems. Presentation made in the Mid-Year Joint Transportation Research Board and NATMEC Conference, Madison, WI. August 29, 2000.

**Detection of High-Risk Trucks. Data Linkage and Inference.* Paper presented in the Joint Research Conference of the American Statistical Association (ASA) Quality and Productivity Section, Section on Physical and Engineering Sciences and the Institute of Mathematical Statistics, Seattle, WA. June 2000.

Comparison of Interstate and Illinois Intrastate Commercial Motor Vehicle Safety. Presented in the Illinois Transportation Engineers Annual Conference, University of Illinois at Urbana-Champaign, October 1999.

Estimation of Transportation Service Needed for Welfare to Work. Presentation made in the National Association for Welfare Research and Statistics (NAWRS) Annual Conference, Chicago. August, 1998.

Estimation of Travel Times on Signalized Arterial. Presentation made in Institute of Mathematical Statistics (IMS) Conference, Richmond, Virginia, March, 1996.

A Simulation-Based Model of Advanced Traveler Information Systems. Presented in Transportation Workshop, National Institute of Statistical Sciences, Research Triangle Park, October 1995.

UNPUBLISHED TECHNICAL RESEARCH REPORTS AND WORKING PAPERS

- Thakuriah, P., S. Soot, N. Tilahun, W. Vassilakis and C. Cottrill. (2011). *Analysis of Employment Transportation Services for the JobLinks Program*. Report submitted to U.S. Department of Labor and Community Transportation Association of America, Washington, D.C.
- Thakuriah, P., S. Soot, C. Cottrill, and E. Blaise (2011). *Case Studies of the New Freedom Program*. Report under review by Federal Transit Administration, U.S. Department of Transportation, Washington, D.C.
- Thakuriah, P., N. Tilahun, S. Soot, C. Cottrill and W. Vassilakis. (2011). *Case Studies of Job Access and Reverse Commute Program: 2009-2010*. Report under review by Federal Transit Administration, U.S. Department of Transportation, Washington, D.C.
- Thakuriah, P., J. Lin, W. Vassilakis, E. T. Blaise, L. Gan (2011). *Post-Implementation Evaluation of the CMAQ Program in Northeastern Illinois. Phase 2*. Final Report to Chicago Metropolitan Agency for Planning, June.
- Kawamura, K., P. Thakuriah, P.S. Sriraj, L. Dirks, L. Rashidi, D. Miodonski and S. Sherburn. (2011). *Understanding Freight-Land Use Interrelationships*. Final Report # 02-07 to CFIRE, University of Wisconsin at Madison.
- Thakuriah, P., J. Lin, P. Metaxatos (2009). *Post-Implementation Evaluation of the CMAQ Program in Northeastern Illinois*. Final Report to Chicago Metropolitan Agency for Planning, October.
- Thakuriah, P. and others. (2009). *Sustainable Transportation and Grounds in UIC*. Final Report to University of Illinois at Chicago Office of the Chancellor's Sustainability Committee.
- Thakuriah, P., P.S. Sriraj, S. Soot and J. Persky (2008). *Economic Benefits of Employment Transportation*. Final Report to Federal Transit Administration, U.S. DOT and Community Transportation Association of America, June for Grant No's DOT IL-37-X007-00 4 and DOT IL-37-5002-00. [Report to the U.S. Department of Transportation that has been summarized in DOT's report to the U.S. Senate Committee on Banking, Housing, and Urban Affairs, U.S. House of Representatives Committee on Transportation and Infrastructure, Government Accountability Office and U.S. Department of Labor. The analysis in the report has led to the introduction of a U.S. Senate Bill S. 3466 on September 10, 2008 by Senator Russ Feingold (D-WI)]
- Thakuriah, P., S. Soot and P.S. Sriraj (2008). *Partnerships for the Job Access and Reverse Commute Program: A Multi-Site Study of the Institutional and Coordination Processes behind Employment Transportation for Low-Income Workers*. Final Report to Federal Transit Administration, U.S. DOT and Community Transportation Association of America, June for Grant No DOT IL-37-X007-00 4 and CTAA 918.
- Thakuriah, P., P. Metaxatos, A. Mohammadian, C. J. Curtis and W. Vassilakis. (2010). *Bus Operations on Shoulders: Analysis of a Preliminary Concept*. Final Report submitted

- for review to Technical Review Panel of Illinois Transportation Center Project R-27-5).
- Thakuriah, P., (2008). *Urban Transportation Center: A Self-Study*. Submitted to Dean of the College of Urban Planning and Public Affairs, UIC, as part of an external review of the Center required by the Illinois Board of Higher Education.
- Rashidi, T., A. Mohammadian and P. Thakuriah (2007). *Effectiveness of Transit Strategies Targeting Elderly People*. Final Report to the Illinois Center for Transportation.
- Soot, S. and P. Thakuriah. (2006). *Case Studies of Job Access and Reverse Commute Planning Partnerships*. Final Report to Federal Transit Administration, U.S. DOT.
- Thakuriah, P., Sriraj, P.S. and K. Hoschouer (2006). *An Equity Assessment of the Job Access and Reverse Commute Program*. With support from Federal Transit Administration, US Department of Transportation, JobLinks Program, and the US Department of Labor. Urban Transportation Center, UIC, March 2006.
- Thakuriah, P., Sriraj, P. S. J. Persky and R. Baiman (2006) *An Economic Analysis of the Targeted Transportation Services for Low-Income Workers*. Interim Report to the Federal Transit Administration, US Department of Transportation and the Community Transportation of America, Washington, D.C.
- Thakuriah, P., Sriraj, P.S., Y. Liao, K. Hoschouer (2005). *Role of Planning Partnerships in Transportation Coordination*. Final Report to Federal Transit Administration, US Department of Transportation and JobLinks Program of the Community Transportation Association of America.
- Thakuriah, P., Sööt, S., Sriraj, P.S., Dickson, C. (2003) *Partnerships for Low-Income Employment Transportation*. Final Report from a Focus Group. With Support from: Federal Transit Administration, US Department of Transportation, JobLinks Program, and the US Department of Labor. Urban Transportation Center, UIC..
- Thakuriah, P. and S. Niumpradit (2003). *The Analysis of the Impact of Intelligent Transportation Systems to the Economy: The Case of Electronic Toll Collection systems*. Report III to the Metropolitan Transportation Support Initiative (METSI), August.
- Thakuriah, P., J. Lee and S. Niumpradit. (2003). *Development, Testing and Evaluation of Intelligent Databases for Commercial Motor Vehicle Safety*. U.S Department of Transportation, BTS, Grant Number DTTS-00-B003-IL Final Report.
- Niumpradit, S. and P. Thakuriah (2002). *The Economic and Aggregate Productivity Benefits of Intelligent Transportation Systems*. Report to the Metropolitan Transportation Support Initiative, University of Illinois at Chicago and Illinois Department of Transportation. Thakuriah, P., J. Lee and others (2002).
- Thakuriah, P. J. Lee and others. (2002). *Evaluation of Alternative Signal Control Strategies in the City of Chicago* Final report to the Chicago Department of Transportation, with support from the National Institute of Statistical Sciences.

- Soot, S., P.S. Sriraj and P. Thakuriah (2002). *A Survey of Users of Job Access Reverse Commute Funded Transportation Services*. Report to the Federal Transit Administration, U.S. Department of Transportation.
- Zhang, T., M. Jaffe and P. Thakuriah. (2001). *Strategic Study for the Combined Development of Chongming, Changxing and Hengsha Inland in Shanghai*. Final report to the Chinese Municipal Government of Shanghai.
- Thakuriah, P.(2000). *Preliminary Technology Guidelines for an Intelligent Transportation Systems (ITS) Deployment in Malaysia: Implications for a Revenue Model*. Final Report to Oyster Solutions, New Delhi, India and Sinar Dian Technologies SDN BHD, Kuala Lumpur, Malaysia.
- Thakuriah, P., G. Yanos, D. Virmani, A. Sreenivasan and V. Rivas (2000). *Comparison of Interstate and Intrastate Commercial Motor Vehicle Safety*. Final Report No. VB-H1-98 to the Illinois Transportation Research Center.
- Thakuriah, P., S. Soot, and P. Metaxatos. (1999) Destination Accessibility Measures for a Low-Income Group. Technical Synopsis Part B of report titled *Implications of the Welfare Reform Bill on Suburban Chicago Transit Demand: Some Strategies for Pace*.
- Graves, T. L., A. F. Karr, N. M. Rouphail and P. Thakuriah. (1998) *Real-time Prediction of Incipient Congestion on Freeways from Detector Data*. Technical Report #79, National Institute of Statistical Sciences, Research Triangle Park.
- Thakuriah, P., P. Metaxatos and D. Yang (1999). *Propensity for Long-Distance Travel in the United States*. Final report to the Metropolitan Transportation Support Initiative.
- Thakuriah, P. (1999). *Commercial Motor Carrier Operations in the Northeast Illinois Region: Impacts on Land Use: Trends Since 1970*. In Metropolitan Case Study for Chicago. Brookings Institute.
- Thakuriah, P., S. Soot, P. Metaxatos, and others (1998). *Implications of the Welfare Reform Bill on Suburban Chicago Transit Demand: Some Strategies for Pace*. Final report to Pace. This report was a basis for a U.S. Department of Labor grant to the six-county northeastern Illinois area for transportation purposes and was further used as a basis for the Chicago Area Transportation Study's Job Access and Reverse Commute application to the Federal Transit Administration for FY 1998.
- Thakuriah, P., S. Soot, A. Sen, P. Metaxatos, and others (1998). *Transportation and Welfare Reform*. Final report to the Illinois Department of Human Services.
- Soot, S., A. Sen, P. Thakuriah and others (1998). *Highways and Urban Decentralization*. Final report to the Illinois State Toll Highway Authority.
- Thakuriah, P. and A. Sen (1996). *Quality of Information Given by Advanced Traveler Information Systems*. Working Paper # 51, National Institute of Statistical Sciences.
- Thakuriah, P. (1996). *Travel Time Estimation with Imputed Signal Control Information*. Working Paper # 52, National Institute of Statistical Sciences.

- Thakuriah, P. and A. Karr. (1996). *Analysis of Probe-Based Information on Signalized Arterials*. NISS Working Paper #48.
- Thakuriah, P. and A. Karr. (1996). *Characterization of Imperfection in Information given by Advanced Traveler Information Systems*. NISS Working Paper Series.
- Sen, A., S. Soot, Thakuriah, P. and A. Karr. (1996). *Estimation of Static Travel Times in a Dynamic Route Guidance System – II*. NISS Working Paper Series.
- Thakuriah, P. and A. Sen (1994). *Static Estimates of Travel Times in ADVANCE: Release 1.5 Algorithm Report and Detail Design Document (#8600)*. ADVANCE Working Paper Series #39.
- Thakuriah, P. (1994). *Static Estimates of Travel Time for ADVANCE. Release 1.0 SPU Algorithm*. ADVANCE Working Paper Series, Task TRF-TT-31, June.
- Thakuriah, P. and A. Sen. (1993) *Data Fusion for Travel Time Prediction*. ADVANCE Working Paper Series, Task TRF-TT-07, June.
- Sen, A., P. Thakuriah and N. Liu (1993). *Travel Time Prediction: Report for Phase I of the ADVANCE Project*. ADVANCE Working Paper Series, Task TRF-TT-11, September.
- Sen, A., P. Thakuriah and N. Liu (1993). *Design of the ADVANCE Travel Time Forecasting Procedure*. ADVANCE Working Paper # 31.
- Sun, L. and P. Thakuriah. (1993). *Solutions to Selected Exercises in Regression Analysis: Theory, Methods and Applications*. Published by Springer-Verlag, New York, NY.
- Boyce, D., A. Sen, S. Soot and P. Thakuriah. (1991). *TAMS Study on the Third Airport: A Review of the Enplanement Forecasts*. Report to the Bi-State Commission on Site Selection of a Third Airport, Chicago.

SELECTED PROFESSIONAL SERVICE

National and International Service

- General Chair, 4th International Workshop on Computational Transportation Science in the ACM SIGSPATIAL 19th International Conference on Advances in GIS, 2011.
- Member, Program Committee, University Consortium for Geographic Information Science (UCGIS) - GIScience for Changing Human Environment, 2011.
- Treasurer, Faculty Women's Interest Group, Association of Collegiate Schools of Planning, 2010-Current.
- Member, Program Committee, 3rd International Workshop on Computational Transportation Science. Held in conjunction with Association of Computing Machinery (ACM) SIGSPATIAL GIS 2010, San Jose, CA, Nov. 2-5, 2010.
- Associate Member, MODAP (Mobility, Data Mining and Privacy) funded by EU, FET OPEN, 2009-2012.

Member, Marsha Ritzdorf Awards Selection Committee, Association of Collegiate Schools of Planning, 2010.

Representative, Association of Collegiate School of Planning (ACSP) Faculty Women Interest Group, Midwest Region, 2008-2010.

Member, USAID and Higher Education for Development Review Panel, 2008.

Member, Program Committee, 1st International Workshop on Computational Transportation Science IWCTS 08, July 21, 2008, Trinity College Dublin, Ireland. Held in conjunction with: The Fifth International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2008).

Member, Intelligent Transportation Systems (ITS) World Congress Program Committee, 2005-Current.

Member, Federal Transit Administration and U.S. Department of Labor Joblinks Job Access and Reverse Commute Advisory Committee, 2006-Current.

Member, Committee on Urban Transportation Data and Information Systems, Transportation Research Board, National Academy of Sciences, Washington, D.C. 2007-Current.

Member, Committee on Statistical Methodology and Statistical Computer Software, Transportation Research Board, National Academy of Sciences, Washington, D.C. 2004-2008.

Member, Committee on National Transportation Data Needs and Requirements, Transportation Research Board, National Academy of Sciences, Washington, D.C. 1999-2002.

Member, U.S. Bureau of Census design of the Vehicle Inventory and Use Survey questionnaire development review team of the Economic Census. 2000.

Member, U.S. Department of Transportation, Bureau of Transportation Statistics, Workshop on development of methodology for performance measurement of the transportation system. Summer 2000.

Member, Freeway and Multi-lane Highway Subcommittee of the Highway Capacity Committee of the Transportation Research Board. 1995-1998.

Member, Panel on Weaving Area Capacity and Level of Service on Freeways, Arterials, and Collector-Distributor Roads, National Cooperative Highway Research Panel, Transportation Research Board, National Academy of Sciences, Washington, D.C. 1995-1999.

Coordinator, Transportation Planning sessions of the INFORMS [organized by the Operations Research Society of America/Institute of Management Sciences (ORSA/TIMS)] bi-annual and later, annual, meetings. 1994-1997.

State and Local Service

Chair, Program Committee, Institute of Transportation Engineers 2008 Midwest Annual Conference.

Member, Chicago Metropolitan Agency for Planning (CMAP), Transportation Committee, 2006-2010.

Representative, Public Transportation/Multi-Modal Technical Advisory Group, Illinois Center for Transportation, University of Illinois at Urbana-Champaign, 2006-2009.

Member, Intelligent Transportation Systems Deployment Committee, Gary-Chicago-Milwaukee (GCM) Priority Intelligent Transportation Systems Corridor. 1998-2005.

Member, Advanced Technology Task Force, Chicago Area Transportation Study (CATS). As a member of this Task Force, I reviewed the development of the *Strategic Early Deployment Plan for Intelligent Transportation Systems in Northeastern Illinois* a sub-part of which was ultimately included in the region's 20-year plan titled Destination 2020. 1998-2005.

Selected Service to Campus

University of Illinois at Chicago Faculty Senate. 2010-2012 Term.

Member, UIC Campus Research Review Board, 2008-Current. Review campus-wide limited submission proposals, campuswide nominations of awards and fellowships.

Chair, Campus Committee on Sustainable Transportation and Grounds. Aug 2007-Current. Responsible for developing recommendations to the Chancellor on sustainable transportation options to campus. Led a 20-faculty committee to identify sustainable options for the future sustainability of the campus and the city. Primary author of 2009 report *Sustainable Transportation and Grounds in UIC* submitted to University of Illinois at Chicago Office of the Chancellor's Sustainability Committee.

Chair, Space Planning Committee, College of Urban Planning and Public Affairs. 2006-2008. Responsible for developing a report on the management of space and criteria according to which space should be allocated among units.

Member, Computational Transportation Science Executive Committee. 2006-Current. Develop ideas for collaboration, student research, recruitment and coursework in the CTS IGERT program.

Member, Chancellor's Task Force on Sustainability. 2007-Current. Represent the Transportation and Grounds Committee on the overall campus committee on sustainability.

Member, UIC Alumni Planning Committee. 2007. Fund-raising and publication of Provost's Alumni initiatives.

Member, Institute of Environment Science and Policy Steering Committee, 2005-Current.

Selection Committee membership for the International Scholars Awards/Watamull Awards given jointly by the John Nuveen Center and the Office of International Services, UIC, 1997-1999.

Represented the College of Urban Planning and Public Affairs in developing a research collaboration with the Universidad Autonoma Metropolitana in Mexico City as a part of UIC's mission to facilitate collaboration with Chicago's "Sister City", 1997-1998.

EDITORIAL AND PUBLICATION/PROPOSAL REVIEW ACTIVITIES

Editorial Activities

Editor-in-Chief, Journal of Urban and Regional Information Systems Association (URISA Journal), 2011-2014.

Member, Editorial Board, Journal of Urban and Regional Information Systems Association (URISA Journal), 2007-2010.

Member, Editorial Board, Journal of Transportation and Statistics, 2003-2006.

Guest Editor, Journal of Transportation and Statistics. Special Issue on *Measurement of Accessibility*. Vol.4, Nos. 2/3, Sept.-December.

Review Activities

Transportation Research Board - Multiple Committees including Urban Transportation *Data* and Information Systems Committee (ABJ30), Statistical Methodology and Statistical Computer Software in Transportation Research (ABJ80), Committee on Public Transportation Planning and Development (AP025) and several others.

Transportation Letters: International Journal of Transportation

ASCE Journal of Transportation Engineering

International Journal of Modeling and Simulation

International Journal of Sustainable Transportation

Journal of Transportation and Statistics

Journal of Urban and Regional Information Systems Association

Urban Affairs Review

Journal of Intelligent Transportation Systems

Proceedings: Transportation Research Board Women's Travel Conferences

Proceedings: IEEE Intelligent Transportation Systems

Proceedings: International Workshop on Computational Transportation Science

Proceedings: International Association of Travel Behavior Research

Proceedings: Intelligent Transportation Systems World Congress

Proceedings: North American Travel Monitoring Exposition and Conference

Abstract only: 2008 Midwestern ITE Annual Conference

MacArthur Foundation Fellowship nominations

University Transportation Centers Programs including Region II University Transportation Research Center, University of Toledo University Transportation Center

New South Wales, Australia, STAR Program proposals

USAID and Higher Education for Development Review Panel

University Consortium for Geographic Information Science (UCGIS)

NSF Division of Mathematics and Statistics.

Illinois Transportation Center proposals

POSTDOCTORAL RESEARCH FELLOWS AND ASSOCIATES SUPERVISED

Jung-Taek Lee, 1998-2002. Currently Senior Transportation Engineer, Virginia Department of Transportation, Chantilly, VA (Graduate of Michigan State University)

Sriraj, P.S. 1998-2006. Currently Senior Research Associate, Urban Transportation Center, University of Illinois at Chicago. (Graduate of Illinois Institute of Technology)

Tilahun, N. 2009-2010. Currently Research Fellow, Humphrey Institute, University of Minnesota. (Graduate of University of Minnesota, Twin Cities).

SIGNIFICANT (NATIONAL OR INTERNATIONAL) ADVISEE AWARDS

Eisenhower Graduate Research Fellowship (US DOT) 2010-2011: William Vassilakis

Eisenhower Graduate Research Fellowship (US DOT) 2008-2010: Caitlin Cottrill

10th Privacy Enhancing Technologies Symposium Graduate Student Award, Berlin, Germany, July 2010: Caitlin Cottrill

Mobility, Data Mining and Privacy (MODAP) Travel Award, EU FET-OPEN 2009-2012 The Future and Emerging Technologies Open Scheme, August 2010: Caitlin Cottrill

NSF-IGERT Fellowship: Caitlin Cottrill, 2005-2007

TRB Women's Conference Study Grant, 2009: Stephen Vaughn

ITE-Midwest Best Student Paper Award 2008: Lei Tang.

Eisenhower Graduate Research Fellowship (US DOT) 2004-2005: Jiangping Zhou

Eno Foundation Fellowship 2002; Juan Ortega

American Public Transportation Foundation Hall of Fame Award 2002: Juan Ortega

American Public Transportation Foundation Hall of Fame Award 2001: Juan Ortega

DOCTORAL DISSERTATIONS AND MASTER'S THESIS/PROJECTS

Dissertation Chair

- Cottrill, Caitlin (Candidate for Doctoral Degree; scheduled for defense in Summer 2011). *Privacy Issues in Intelligent Transportation Systems and Location-Based Services*. NSF-IGERT Doctoral Fellow (2006-2008); Eisenhower Graduate Fellow 2008-2010. (Chair, Doctoral Dissertation).
- Tang, Lei (Graduated Spring 2009). *Behavioral Responses to Real-time Transit Information Systems*. Winner, ITE-Midwest Best Student Award, 2008. (Chair, Doctoral Dissertation).
- Ortega, J. F. (Summer, 2004). *Spatial Multimedia Methodology for the Selection of Low-Income and Labor Market Accessibility Projects*. Eno Foundation Fellowship 2002; American Public Transportation Foundation Hall of Fame Scholarship Award 2002 and 2001; George Krambles Transportation Fund Scholarship 2001. (Chair, Doctoral Dissertation)
- Niumpradit, S. (Summer, 2004). *Modeling Relationships Between Highway Expenditure and Economic Performance: An International Analysis* (Chair, Doctoral Dissertation).

Dissertation Committee Membership

- Booth, Joel (Doctoral Candidate, Department of Computer Science). *Context-Aware Natural Language Interfaces for Transportation Information Systems*. (Member, Dissertation Committee)
- Mugler, M. (Doctoral Candidate, Department of Bioengineering). *Neural Interfaces for Speech and Rehabilitative Biofeedback in Spoken Communication*. (Member, Dissertation Committee)
- Miller, Ed. (Ph.D. Graduate, 2011, Department of Urban Planning and Policy). *CRAeating Gentrification?* (Member, Dissertation Committee)
- Lundquist, D. (Ph.D. Graduate, 2011, Department of Information and Decision Sciences). *Self-Balancing Supply/Demand Routing Protocol for Mobile Environments*. (Member, Dissertation Committee).
- Rashidi, Taha Hossein (Ph.D. Graduate, 2010, Department of Civil and Materials Engineering). *Households Long-Term Decision Making Process: Vehicle Transactions, Employment and Residential Location Choices*. (Member, Dissertation Committee)
- Samimi, Amir (Ph.D. Graduate, 2010, Department of Civil and Materials Engineering). *A Behavioral Mode Choice Microsimulation Model for Freight Transportation in the US*. (Member, Dissertation Committee)
- Ruan, Minyan (Ph.D. Graduate, 2010, Department of Civil and Materials Engineering). *Investigation of National and Regional Freight Data Needs and Urban Freight Delivery*. (Member, Dissertation Committee)

- Lu, Yandan (Ph.D. Graduate, 2009, Department of Urban Planning and Policy). *Examining the Path Dependence of Urban Development and Work Trip Mode Share Balance Using Agent-Based Modeling*. (Member, Dissertation Committee)
- Pu, Wenjing (Ph.D. Graduate, 2007, Department of Civil and Materials Engineering). *Bus Probe-Based Urban Travel Time Prediction*. (Member, Dissertation Committee)
- Mizusawa, Daisuke (Ph.D. Graduate, 2007, Department of Urban Planning and Policy). *Strategic Directions for Implementing Asset Management: Quantifying Benefits of Asset Management*. (Member, Dissertation Committee)
- Long, Liang (Ph.D. Graduate, 2007, Department of Civil and Materials Engineering). *Model-Based Synthesis of Geographically Variable Household Travel Data in Small and Mid-Size Metropolitan Areas*. (Member, Dissertation Committee)
- Zhang, Yong-Ping (Ph.D. Graduate, 2007, Department of Civil and Materials Engineering). *Household Travel Data Simulation: Application of Spatial Transferability of Survey Data*. (Member, Dissertation Committee)
- Srivastava, Snigdha (Ph.D. Graduate, 2007, Department of Urban Planning and Policy). *Information Technology Services Industry: Employment, Training, and Regional Workforce Development Policy Implications*. (Member, Dissertation Committee)
- Yagi, Sadayugi (Ph.D. Graduate, 2006, Department of Civil and Materials Engineering). *An Activity-Based Microsimulation Model of Travel Demand for Transportation Policy and Impact Analysis*. (Member, Dissertation Committee)
- Pena, Norma (Ph.D. Graduate, 2006, Department of Urban Planning and Policy). *Estimating Transportation Indicators for a Regional Participatory Visioning Process*. (Member, Dissertation Committee)
- Retzlaff, Rebecca (Ph.D. Graduate, 2006, Department of Urban Planning and Policy). *Analysis of Biodiversity Plans*. (Member, Dissertation Committee)

Master's Thesis/Project Chair

- Vance, Steven. (Spring, 2010). *Reducing Bike Parking Inequity in Chicago's Wards*. (Chair, Master's Project).
- Schmidt, Todd (Spring, 2010). *Spatial Analysis of Healthcare and The Obesity Problem: A study of the Chicago Six County Region*. (Chair, Master's Project).
- Purinton, Karen (Summer, 2010). *Complete Streets Surrounding Proposed State Commute Rail Station in Plainfield, Illinois*. (Chair, Master's Project).
- Johnson, D. (Spring, 2009). *Defining a CTA Station Typology*. (Chair, Master's Project).
- Stratton, M. (Fall, 2008). *A Comparison of Walking Reported by the Chicago MPO's Household Travel Surveys from 1990 and 2007*. (Chair, Master's Project)
- LaPorte, Angela (Summer 2008). *Merging Natural Hazard and Transportation Planning: The Role of Natural Hazard Risk Assessment in Transportation*. (Chair, Master's Thesis).

- Hunt, Stephan (Summer 2008). *Developing Market Analysis Tools for Volunteer Driver Programs*. (Chair, Master's Thesis).
- Minocha, Inshu (Summer, 2007). *An Analysis of Chicago Area Transit Quality and Level of Employment Accessibility*. (Chair, Master's Thesis).
- Interrante, Erica (Spring, 2007). *Implementation of the Coordinated Human Service Transportation Plan (HSTP): A New Approach to Public Transportation Planning for Downstate Illinois*. (Chair, Master's Project).
- Kowal, Christopher (Summer, 2006). *Measuring Urban Green*. (Chair, Master's Project).
- Hochsheur, Kristen. (Spring 2006). *The Spatial Mismatch between Entry-Level Jobs and Low-Income Residents in Select US Cities*. (Chair, Master's Thesis).
- Minor, Mark (Spring, 2006). *Baseball and Transit: An Exploratory Analysis*. (Chair, Master's Thesis).
- Gustafson, Timothy. (Spring, 2006). *Project Evaluation Criteria for Intelligent Transportation Systems for Emergency Management*. (Chair, Master's Thesis).
- Guerriero, Henry. (Summer 2005). *Bicycle Access to Transit in Chicago; 2000 Census Journey-to-Work and Intercept Survey Data*. (Advisor, Master's Project).
- Ammons, William. (Summer 2005). *Specifications for Real-time Travel Information Using AVL Data in the Chicagoland Area*. (Advisor, Master's Project).
- Zhu, H. (Summer, 2003). *Factors Affecting Travel Time Changes between 1990 and 2000: A Study of Metropolitan Chicago* (Chair, Master's Thesis)
- Liao, Y. (Spring, 2003). *Patterns of Household Transportation Expenditures: The Effects of Income and Housing Subsidies* (Chair, Master's Thesis)
- Sen, S. (Spring, 2003). *Public Transportation Information Systems: Application of Soft Systems Methodology to Labor Market and Transportation Problems* (Chair, Master's Thesis).
- Sinha, A.. (Spring, 2003) *Modeling the effect of Occupation, Industry and Spatial Characteristics on Job Start Times* (Chair, Master's Thesis)
- Saulath, S. (Fall, 2001). *Electronic Database for Human Services Transportation Projects*. (Advisor, Master's Project)
- Conlon, M. T. (Summer, 2001). *Accessibility of Child Care for Low-Income Job Seekers in the Chicagoland Region*. (Advisor, Master's Project)
- Gao, F. (Summer, 2001). *Development and Testing of an Intelligent Transportation System for the University of Illinois at Chicago's Intercampus Shuttle Buses*. (Advisor, Master's Project)
- Cerchia, G. (Spring, 2000). *O'Hare International Airport: An Analysis of the Existing Access Roadway*. (Advisor, Master's Project)

- Rivas, V. R. (Spring, 2000). *Capital Improvements Programs of Large Commercial Airports in the United States: The Impact of Passenger Facility Charges*. (Advisor, Master's Project)
- Virmani, D. (Spring, 2000). *Mode Use in Long Distance Travel: An Analysis Using Classification and Regression Trees*. (Advisor, Master's Project)
- Chang, L. (Summer, 1999). *Design Document of A Graphic User Interface for TRANS - A Traffic Simulation Software*. (Advisor, Master's Project).
- Lang, J. (Summer, 1999). *Numerical Experimentation to Assess Reliability of Traffic Simulation Model for Signal Control Systems in the Chicago Area*. (Advisor, Master's Project).
- Short Jr., T. R. (Spring, 1999). *An Application of Traffic Simulation Software for Modern Day Traffic Concerns, in a Historical and Environmental Sensitive Area*. (Advisor, Master's Project).

COURSES TAUGHT (LAST 6 YEARS)

- UPP 589. Data Analysis and Management II*. Specific topics covered include (i) linear and nonlinear regression (ii) qualitative and limited dependent variable models [models for binary, multinomial, ordinal and count data] (iii) categorical data analysis (iv) spatial analysis [including exploratory spatial techniques, spatial clustering, spatial autoregression and lag models] and (v) data quality assessment and methods to address non-response bias. Students are taught SAS and LIMDEP.
- UPP 561. Transportation Policy Analysis*. Major policies concerning the transportation-related aspects of the environment, energy, land-use, economic development, community mobility/accessibility, freight transportation, advanced transportation systems, transportation safety and social justice. Basic concepts in transportation policy formulation, cost-benefit, cost-effectiveness and ROI methods, Multicriteria-Decision Making Methods, Spatial Decision Support Systems, soft systems and group decision-making techniques for transportation.
- UPP 584. Methods of Public Policy Analysis*. Survey course on methods for formulating and evaluating public policies in transportation, economic development, environment, housing and community development. Experimental, quasi-experimental and non-experimental research designs. Survey methods and sampling designs. Stated preference, contingent valuation and choice experiments. Qualitative methods, cost and benefit assessment and group-decision making techniques.
- UPP 565: Advanced Methods of Transportation Planning and Spatial Analysis*. Performance measures, models with transportation examples for cross-sectional, time series, spatial and panel data. MCDM methods and Spatial Decision Support Systems. Discrete choice models, duration and hazard models and their applications in transportation. Statistical learning and data mining.

UPP 502: Planning Skills. Introductory required course in the planning programs. Hands-on introduction to statistics, population and demographic forecasting, economic base analysis, zoning and land-use planning, GIS, illustration and presentation skills. Students learn to use a variety of software such as Excel, SAS, Google SketchUp, ArcGIS and Adobe Photoshop and Illustrator.

CS 567/UPP 567/CME 567: Principles of Computational Transportation Science (co-taught with a faculty member from the Department of Computer Science). Required course in UIC's NSF IGERT program on Computational Transportation Science. Fundamentals of Intelligent Transportation Systems, Location-Based Services and New Mobility Technologies. Students are taught basics of moving objects database management, data mining, Human-Computer Interaction, and transportation management and forecasting methods.