

KAZUYA KAWAMURA

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University of Illinois, Chicago
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EDUCATION:

Ph.D., University of California at Berkeley, Civil Engineering ('99)
MS, University of California at Berkeley, Civil Engineering ('89)
BS, North Carolina State University, Mechanical Engineering ('88)

EMPLOYMENT:

9/2009 - present Head, Department of Urban Planning and Policy, University of Illinois, Chicago
8/2009 - 9/2009 Interim Head, Department of Urban Planning and Policy, University of Illinois, Chicago
9/2008 - 1/2009 Director of Graduate Studies, Department of Urban Planning and Policy, University of Illinois, Chicago
8/2006 - present Associate Professor, Department of Urban Planning and Policy, University of Illinois, Chicago
7/2000 – 7/2006 Assistant Professor, Urban Planning and Policy Program, University of Illinois, Chicago
8/1999 – 7/2000 Instructor, Urban Planning and Policy Program, University of Illinois, Chicago
1/1990 – 7/1994 Transportation Engineer/Planner, JHK & Associates

PEER REVIEWED JOURNAL PAPERS AND BOOK CHAPTERS:

Ruan, M., J. Lin, K. Kawamura (under review) Modeling Commercial Vehicle Daily Tour Chaining, submitted to Transportation Research Part E: Transportation Review and Logistics

Samimi, A., K. Kawamura, and A. Mohammadian. "A Behavioral Analysis of Freight Mode Choice Decisions". Forthcoming in *Journal of Transportation Planning and Technology*

Ruan, M, J. Lin, and K. Kawamura. "Modeling Urban Commercial Vehicle Daily Tour Scheduling Using The Texas Commercial Vehicle Survey Data". Forthcoming in *Transportation Research Record*.

Lu, Y. and K. Kawamura. "Data Mining Approach to the Work Trip Mode Choice Analysis in the Chicago Area" *Transportation Research Record 2156*. Transportation Research Board, Washington, D.C., [2010]. pp. 73-80

Samimi, A., A. Mohammadian, and K. Kawamura. "A behavioral freight movement microsimulation model: method and data". *Journal of Transportation Letters: The International Journal of Transportation*

Research, 2(1): [2010] pp. 53 - 62

Lu, Y.D., K. Kawamura, and M. Zellner. "The Influence of Urban Forms on Work Travel Behavior: an Exploration Using Agent-Based Modeling". *Transportation Research Record 2082*, Transportation Research Board, Washington, D.C., [2008]. pp. 132 - 140

Kawamura, K. and Y.D. Lu. "Economy of Scale and the Role of Publicly Available Congestion Information for Local Delivery Industry: Agent-based simulation approach" in *Innovations in City Logistics* (Taniguchi, E., and R. Thompson, ed), Nova Science, New York. [2008]

Kawamura, K. and Y.D. Lu. "Evaluation of the Application of Delivery Consolidation in the U.S. Urban Area Using Logistics Cost Analysis". *Transportation Research Record*. Transportation Research Board, Washington, D.C., [2007]. pp. 34 - 42

Kawamura, K. and Y.D. Lu. "Effectiveness and Feasibility of Innovative Freight Strategies for the U.S. Urban Areas" in *Recent Advances in City Logistics* (Taniguchi, E., and R. Thompson, ed), Elsevier [2006]

Kawamura, K. and Shruti Mahajan. "Hedonic Analysis of the Impacts of Traffic Volumes on Property Values". *Transportation Research Record 1924*. Transportation Research Board, Washington, D.C., [2006] pp. 69-75

Kawamura, K. "Transportation needs, location choice, and perceived accessibility for business establishments". *Transportation Research Record 1898*, Transportation Research Board, Washington, D.C., [2004]

Kawamura, K., A. Seetharaman and S. dev Bhatta. "Assessment of the Relationship between Vehicle Type Mix and the Benefit of Freight Projects" in *Logistics for Sustainable Cities*, E. Taniguchi and R. Thompson, ed. Elsevier. [2004]

Seetharaman, A., K. Kawamura, and S. dev Bhatta. "Economic Benefits of Freight Policy relating to the Trucking Industry: An Evaluation of the RTP Freight Policy for the Chicago Six County Region". *Transportation Research Record 1833*, Transportation Research Board, Washington, D.C., [2003]

Kawamura, K. "Perceived Benefits of Congestion Pricing for Trucks". *Transportation Research Record 1833*, Transportation Research Board, Washington, D.C., [2003]

Kawamura, K. "Empirical Examination of the Relationship between Firm Location and Transportation Facilities", *Transportation Research Record 1747*, Transportation Research Board, Washington, D.C., [2001]

Kawamura, K. "Perceived Value of Time for Truck Operators", *Transportation Research Record 1725*, Transportation Research Board, Washington, D.C., [2000]

OTHER PUBLICATIONS AND REPORTS

Shin, H.S., K. Kawamura, and E. Oggard. *Business and Site Specific Trip Generation Methodology for Truck Trips*. UTC Working Paper 2008-01 [2008], 11 pages

Chandler, D., N. West, A. Benedict, and K. Kawamura. *Development and Testing of Model Planning Process for Freight Oriented Development (FOD)*. UTC Working Paper 2007-03. [2007], 13 pages

vom Hofe, R., and K. Kawamura. *Technical Description of the Chicago Computable General Equilibrium (C-CGE) Model*. UTC Working Paper 2007-01. [2007], 15 pages

Kawamura, K., H.S. Shin, S. McNeil, and E. Ogard. *Business and Site Specific Trip Generation Methodology for Truck Trips*. Project 05-03. Midwest Regional University Transportation Center. University of Wisconsin, Madison. [2005], 109 pages

Kawamura, K. and S. McNeil. "Chapter 6 - Usage" in *Upper Midwest Freight Corridor Study - Final Report*. Midwest Regional University Transportation Center. University of Wisconsin, Madison. [2004] 148-212

Lee, Jung-Taek, K. Kawamura, and Jon Sherman. *VISSIM Modeling of the Dan Ryan Expressway Between 71st and 33rd Streets Inbound 2000 Base Year*. A technical report submitted to Chicago Area Transportation Study (MPO). [2004]

Kawamura, K. "Policy toward Integration of Land Use and Transportation Planning in the U.S.- Recent Developments and Future Prospects". An invited contribution to *City Planning Review*, City Planning Institute of Japan [2003] (in Japanese)

Kawamura, K. "Ch.8 The Modeling Coordination Subcommittee: A Story of Cooperation" in Innes, J., and J. Gruber, *Bay Area Transportation Decision Making in the Wake of ISTEA: Planning Styles in Conflict at the Metropolitan Transportation Commission*. Working Paper 514. The University of California Transportation Center. University of California, Berkeley. [2001] 131-136

Kawamura, K. *Analysis of Induced Travel Demand for HOV Ramp Metering Projects*, Urban Transportation Center, University of Illinois, Chicago, [2002]

Kawamura, K. *Analysis of Business Location Preferences*. A technical report submitted to the Illinois Department of Transportation. [2002]

DiJohn, J., K. Kawamura, and D. Costello, *I-55 Corridor Growth Study*, Urban Transportation Center, University of Illinois, Chicago, [2001]

Soot, S. et al. *Travel Behavior and Employment Decentralization: Technical Appendix: Business Location Preference and Transportation System*, Urban Transportation Center, University of Illinois, Chicago [2000]

Kawamura, K. *Economic Benefits of Transportation Investment: A Literature Review*. Urban Transportation Center, University of Illinois, Chicago, [2000]

Kawamura, K. *Commercial Vehicle Value of Time and Perceived Benefit of Congestion Pricing*. Institute of Transportation Studies, University of California, Berkeley, [1999]

Wachs, M., and K. Kawamura. *Evaluation framework for commercial vehicle responses to congestion pricing*, California PATH Program, Institute of Transportation Studies, University of California, Berkeley, [1997]

GRANTS

Co-Principal Investigator, University of Wisconsin. "Environmental and Energy Benefits of Freight Delivery Consolidation in Urban Areas". \$89,988. January 2010 -

Principal Investigator, University of Wisconsin. "Broad Economic Benefits of Freight Transportation Infrastructure Improvement". \$168,092. January 2010 -

Principal Investigator, University of Wisconsin. "Understanding Freight-Land Use Relationship". \$139,787. September 2008 - present

Principal Investigator, Illinois Department of Transportation. "Development of Freight Planning Support System for Northeastern Illinois". \$191,768. April 2009 - present.

Principal Investigator, University of Wisconsin. "Academic Partnership Under National Center for Freight and Infrastructure Research and Education (CFIRE)". \$500,000. August 2007 - present

Principal Investigator, Chicago Area Transportation Study, "HOV Ramp Metering Bypass Lane Study - Northwest Corridor", \$51,000, January 2007 – April 2008

Principal Investigator, "Center for Supply Chain Management and Logistics". UIC Multi-Disciplinary Seed Grant Application. \$75,000. January 2006 - December 2006

Principal Investigator, "Business and Site Specific Trip Generation Methodology for Truck Trips". Midwest Regional University Transportation Center. \$99,818. June 2004 - May 2005.

Principal Investigator, "Upper Midwest Freight Corridor Study". Midwest Regional University Transportation Center. \$100,000. August 2003 – October 2004.

Principal Investigator (for UIC team). National Science Foundation, "Large Scale Dynamic Simulation and Optimization Tools for Chicago Freight Infrastructure and Operations"; Northwestern University \$589,096 (\$30,000 UIC share), September 2001 – August 2004

Principal Investigator, Chicago Area Transportation Study, "HOV Ramp Metering Bypass Lane Study - South Corridor", \$69,000, September 2002 – January 2004

Co-Principal Investigator, Village of Oak Park, "Oak Park Business District Character Plan", \$114,000, June 2003 - August 2004.

Co-Principal Investigator, Metropolitan Transportation Support Initiative, Illinois Department of Transportation, \$500,000, September 2001 - June 2003

Co-Principal Investigator, Metropolitan Transportation Support Initiative, Illinois Department of Transportation, \$500,000, February 2003 - June 2005

INVITED PRESENTATIONS

Kawamura, K., P.S. Sriraj, and S. Sherburn. "Understanding Freight and the Built Environment: Insights from Chicago" Panel presentation at the 90th Transportation Research Board Annual Meeting, National Research Council, Washington, D.C., [January 26, 2011]

Ruan, M., J. Lin, K. Kawamura. "Modeling Commercial Vehicle Daily Tour Chaining", presented at the TRB-SHRP2 Freight Modeling and Data Symposium, Washington DC, September 14-15, 2010 (3rd place in the competition)

"Broad principles for urban freight planning". UIC Supply Chain and Freight Transportation Symposium. November 17, 2009

"Overview of Freight Research Activities at UIC". Urban Transportation Center Seminar October 30, 2009

"The use of economic policies to diminish auto use, and the relationship between autos, land use and travel behavior". Universidad Nacional de Colombia, Bogota. August 14, 2009

"Freight transportation" Universidad Nacional de Colombia, Bogota. August 12, 2009
"Freight Planning and Strategies for Urban Built Areas". New Mobility and Accessibility: Interactive Dimensions. Center for Advancing Research and Solutions for Society, University of Michigan, Ann Arbor. November 17, 2006

"University's Role in Innovation and Collaboration" Innovate Now! Summit - Transportation/Logistics Session (hosted by UPS). Illinois Institute of Technology, October 24, 2006.

"Freight Research at the Urban Transportation Center", Transportation Research Forum Chicago Chapter Meeting, Chicago April 14, 2005

with Norm West. "The Future of Chicago Regional Freight Intermodal Yards". The Sandhouse Gang, Northwestern University, Evanston February 15, 2005.

"Developing a Plan from Bottom Up: A Case Study of Public Involvement", Center for Transportation Planning Research, Tokyo, Japan, May 2003

"Addressing Freight Transportation Needs: National, State, and Regional Perspective", Special Seminar at the Tokyo Institute of Technology, Tokyo, Japan, May 2003

"Financing Transportation Projects in the U.S.: Federal, State, and Local Perspectives". Institute of Regional Economic Research, Fukui Prefecture University, Fukui, Japan, May 2003

"Addressing Freight Transportation Needs in the US: National, State, and Regional Perspective" Special Seminar at Kyoto University, Kyoto, Japan, May 2003

"Issues in Freight Demand Modeling", Chicago Area Transportation Models User's Group seminar, METRA, July 11, 2001

"Freight Planning and Demand Forecasting", "Shared Path" 2030 Planning Information Forum –Regional Freight Planning, Chicago Area Transportation Study, July 26, 2001

"Cross-Sectional and Longitudinal Analyses of Firm Locations in Chicago". Urban Planning and Policy Program, University of Illinois, Chicago, November 2000

"I-55 Corridor Growth Study" (with Joe DiJohn), Will County Governmental League, September 20, 2000

"Commercial Vehicle Value of Time and Perceived Benefit of Congestion Pricing". Institute of Transportation Studies Seminar Series, University of California, Berkeley, May 1999.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

Ruan, M., J. Lin, K. Kawamura "Investigation Of Commercial Vehicle Daily Tour Chaining Efficiency", submitted to the 90th Transportation Research Board Annual Meeting, National Research Council, Washington, D.C., [January, 2011]

Amimi, S., K. Mohammadian, K. Kawamura. "A Disaggregate Analysis of Rail-Truck Mode Choice Behaviors for Freight Shipments" 90th Transportation Research Board Annual Meeting, National Research Council, Washington, D.C., [January, 2011]

Ruan, M., J. Lin, K. Kawamura "National County-level Commodity Flow Data Generation and Analysis", presented at the 2010 Midcontinent Research Forum, Madison, WI, August 19, 2010

Amimi, S., K. Mohammadian, K. Kawamura. "An Online Freight Data Collection Effort in US" TRB 2010 NATMEC Conference Invitation: Improving Traffic Data Collection, Analysis, and Use. [June 23, 2010]. Seattle

Kawamura, K. P.S. Sriraj, S. Sherburn. "Understanding Freight - Land Use Interrelationships". Presented at Association of Collegiate Schools of Planning Annual meeting. [October 8, 2010]. Minneapolis

Samimi, A., A. Mohammadian, K. Kawamura. "An Online Freight Shipment Survey in US: Lessons Learnt and a Non-response Bias Analysis" presented at 89th TRB Annual Meeting [January 2010].

Ruan, M, J. Lin, and K. Kawamura. "Modeling Urban Commercial Vehicle Daily Tour Scheduling Using The Texas Commercial Vehicle Survey Data" presented at 89th TRB Annual Meeting [January 2010].

Lu, Y. and K. Kawamura. "Data Mining Approach to the Work Trip Mode Choice Analysis in the Chicago Area" presented at 89th TRB Annual Meeting [January 2010].

Samimi, A., A. Mohammadian, K. Kawamura. "Behavioral Freight Modeling". Presented at Workshop W2: Behavioral Paradigms for Modeling Freight Travel Decision-Making The 12th International Conference on Travel Behaviour Research. Jaipur, Rajasthan • India [December 13-18, 2009]

Ruan, M., J. Lin, and K. Kawamura. "Comparing the Efficiency of Commercial Vehicle Daily Tours in Star and Loop Trip Chaining Patterns in Texas Urban Areas". National Urban Freight Conference. [October 23, 2009]

Kawamura, K. and L. Rashidi. "Bad trucks and good trucks - Economic Linkages and Externalities of Trucking Activities". National Urban Freight Conference. [October 21, 2009]

Kawamura, K. and L. Rashidi. "Economic Impact of In-House and For-Hire Trucking - Forward Linkage Analysis" Presented at Association of Collegiate Schools of Planning Annual Meeting. [October 1, 2009]

Kawamura, K., and L. H. Rashidi. "Economic, Environmental, and Congestion Impacts of Trucking" Sixth International Conference on City Logistics, Puerto Vallarta, Mexico [June 30, 2009]

Lu, Y.D., and K. Kawamura. "Simulation And Investigation Of The Path Dependency Of Transportation Policy". 4th Joint Congress of ACSP/AESOP. Chicago. [July 9, 2008]

Roosa, E. and K. Kawamura. "Making Truck-Rail Intermodal Competitive". 4th Joint Congress of ACSP/AESOP. Chicago. [July 9, 2008]

Rodriguez, J., and K. Kawamura. "FREQ Simulation and Ramp Meter HOV Bypass Optimization for the Northwest Study Area". Transport Chicago 2008. Illinois Institute of Technology. [June 6, 2008]

Y.D. Lu, K. Kawamura and M. Zellner. "The Influence of Urban Forms on Work Travel Behavior: an Exploration Using Agent-Based Modeling". Transportation Research Board Annual Meeting. [January 15, 2008]

Kawamura, K., and Y.D. Lu. "Examination of the Relationship between Real-Time Traffic Information and Market Entry Barrier for Local Delivery Firms - Agent-Based Approach". Transportation Research Board Annual Meeting. [January 14, 2008]

Lu, Y.D. and K. Kawamura. "Simulation and Investigation of the Path Dependency of Transportation Policy" Association of Collegiate Schools of Planning 48th annual meeting. Milwaukee. [October 18, 2007]

K. Kawamura and Y.D. Lu. "Does Real-Time Traffic Information Affect Trucking Industry Organization? Exploratory Analysis Using Multi-Agent Simulation". Association of Collegiate Schools of Planning 48th annual meeting. Milwaukee. [October 20, 2007]

K. Kawamura. "Measurement of Accessibility for Business Establishments: An Empirical Evaluation". Access to Destinations II. University of Minnesota. [August 23, 2007]

K. Kawamura and Y.D. Lu. "Evaluation of the Application of Delivery Consolidation in the U.S. Urban Area Using Logistics Cost Analysis". Transportation Research Board Annual Meeting. [January 24, 2007]

K. Kawamura and R. vom Hofe and Sheng Chen. "Economic Impact of Truck Lanes - A CGE Analysis" Association of Collegiate Schools of Planning annual meeting. Fort Worth. [November 11, 2006]

Wilson, D. and K. Kawamura. "The Returning Trolley – Reintroduction of Streetcars in American Communities" Association of Collegiate Schools of Planning annual meeting. Fort Worth. [November 10, 2006]

Shin, H.S., and K. Kawamura. "Development of Disaggregate Level Truck Trip Generation Model: A Case Study of Furniture Chain Stores." Transportation Research Board Annual Meeting. [January 24, 2006]

Kawamura, K., and S. McNeil. "Freight Movements in the Upper Midwest Corridor" National Urban Freight Conference. Long Beach. [February 1, 2006]

Chandler, D., N. West, K. Kawamura, and A Benedict. "Planning for Freight Oriented Development - A Case Study in Chicago". Association of Collegiate Schools of Planning annual meeting. Kansas City. [October 29, 2005]

Kawamura, K., and Y. Lu. "Evaluation of Distribution Consolidation (City Logistik) to Address Urban Freight Problems". Association of Collegiate Schools of Planning annual meeting. Kansas City. [October 29, 2005]

Chandler, D, N. West, A. Benedict, and K. Kawamura. "Development and Testing of a Model Planning Process for Cargo Oriented Development". Transport Chicago 2005. Illinois Institute of Technology. [June 3, 2005]

Wang, M, R. vom Hofe, and K. Kawamura. "Computable General Equilibrium (CGE) approach to evaluate the impacts of freight projects". Transport Chicago 2005. Illinois Institute of Technology. [June 3, 2005]

H.S. Shin and K. Kawamura. "Data Need for Truck Trip Generation analysis: Qualitative Analysis of the Survey of Retail Stores" Transport Chicago 2005. Illinois Institute of Technology. [June 3, 2005]

West, N. and K. Kawamura. "Planning Considerations for Projected Intermodal Rail Yards in the Chicago Region Studies by Key-Informants Interviews" Transportation Research Forum Annual Forum, Washington, D.C., [March 7, 2005.]

H.S. Shiin. and K. Kawamura. "Framework for a Disaggregate Truck Trip Generation Model Based on a Survey of Retail Businesses" Transportation Research Forum Annual Forum, Washington, D.C., [March 7, 2005.]

K. Kawamura and S. Mahajan. "Hedonic Analysis of the Impacts of Traffic Volumes on Property Values" Transportation Research Board Annual Meeting, Washington, D.C., [January 2005.]

R. vom Hofe and K. Kawamura. "The Economic Benefits of In-House Transportation: The Chicago 2020 Regional Transportation Plan". Presented at Association of Collegiate Schools of Planning Annual Conference. Portland, Oregon [October 23, 2004]

West, N. and K. Kawamura. "Location, design and operation of future Intermodal rail yards: an empirical analysis" Transportation Research Board Annual Meeting, Washington, D.C., [January 2005.]

K. Kawamura. "Transportation needs, location choice, and perceived accessibility for business establishments". Transportation Research Board Annual Meeting, Washington, D.C., [January 2004.]

K. Kawamura. "Assessment of the Relationship between Vehicle Type Mix and the Benefit of Freight Projects". Third International Conference on City Logistics, Madeira, Portugal, [June 2003]

K. Kawamura. "Economic Benefits of Freight Policy relating to the Trucking Industry: An Evaluation of the RTP Freight Policy for the Chicago Six County Region". Transportation Research Board Annual Meeting, Washington, D.C., [January 2003.]

K. Kawamura. "Perceived Benefits of Congestion Pricing for Trucks". Transportation Research Board Annual Meeting, Washington, D.C., [January 2003.]

Seetharaman, A, K. Kawamura, and S. D. Bhatta. "Data Requirements for Truck Project Impact Evaluation". Transportation Research Board Annual Meeting, Washington, D.C., [January 2002.]

Shin, H.S. and K. Kawamura. "Public Private Partnership in Regional Freight Planning: Implications for the Future". Transportation Research Board Annual Meeting, Washington, D.C., [January 2002.]

K. Kawamura. "Empirical Examination of the Relationship between Firm Location and Transportation Facilities". Transportation Research Board Annual Meeting, Washington, D.C., [January 2001.]

K. Kawamura. "Firm Location Pattern in Chicago". The Great City Institute Winter Forum, Chicago, [November 2000.]

K. Kawamura. "Perceived Value of Time for Truck Operators". Transportation Research Board Annual Meeting, Washington, D.C., [January 2000.]

HONORS, AWARDS, AND FELLOWSHIPS

CUPPA College Award for Teaching Excellence (1999 - 2000)

Charley Wootan Award for Best Dissertation in Transportation Planning and Policy, Council of University Transportation Centers (1999)

University of California Transportation Center Fellowship (1998)

University of California Transportation Center Dissertation Fellowship (1997-1998)

University of California, Department of Civil and Environmental Engineering Fellowship (1996)

University of California, Department of Civil and Environmental Engineering Fellowship (1995)

University of California, Department of Civil and Environmental Engineering Fellowship (1994)

Pi Tau Sigma, National Mechanical Engineering Honor Society (elected in 1987)

North Carolina State University Intramural-Recreational Sports Award (1987)

PROFESSIONAL SERVICES AND REGISTRATIONS

Member, Transportation Research Board, Committee on Transportation and Economic Development (ADD10) (since 2006)

Member, Paper Review Subcommittee, Transportation Research Board, Committee on Transportation and Economic Development (ADD10) (since 2006)

Member, Transportation Research Board, Committee on Urban Freight (AT025) (since 2002, Committee Secretary since 2006)

Co-Chair, Paper Review Subcommittee, Transportation Research Board, Committee on Urban Freight (AT025) (since 2004)

Member, Transportation Research Board, subcommittee on Behavioral Aspects of Freight Transportation (2000-2003)

Member, Transportation Research Board, subcommittee on Socio-economic Impacts of Freight (2000-2003)

Chair, subcommittee for research and planning, CATS Intermodal Advisory Task Force (2001-2005)

Member, Rail Freight Subcommittee, Business Leaders for Transportation (since 1999)

Member, Program Committee, Transportation Research Forum Chicago Chapter (since 2005)

Member, Organizing Committee, 3rd International Conference on City Logistics. Institute for City Logistics (2003)

Member, Organizing Committee, 4th International Conference on City Logistics. Institute for City Logistics (2005)

Commissioner, Parking and Transportation Committee, Village of Oak Park (since 2003)

Professional Civil Engineer, State of California # C 50942, State of Illinois # 10873918