

CURRICULUM VITAE
KARA MARIA KOCKELMAN
Professor
Department of Civil Engineering
University of Texas at Austin

EDUCATION

University of California at Berkeley	Civil Engineering	BS	Spring 1991
University of California at Berkeley	City & Regional Planning	MCP	Spring 1996
University of California at Berkeley	Civil Engineering	MS	Spring 1996
University of California at Berkeley	Civil Engineering	PhD	Summer 1998

PROFESSIONAL EXPERIENCE - Academic

University of California at Berkeley	Research Assistant	Fall 1993, Summer 1994, & May 1995 – May 1996
University of California at Berkeley	Teaching Assistant	June 1997 – December 1997
University of Texas at Austin	Clare Boothe Luce Assistant Professor of Civil Engineering	Fall 1998 – Summer 2004
University of Texas at Austin	Clare Boothe Luce Associate Professor of Civil Engineering	Fall 2004 – Summer 2005
University of Texas at Austin	Associate Professor & William J. Murray Jr. Fellow	Fall 2005 – Summer 2009
University of Texas at Austin	Professor & William J. Murray Jr. Fellow	Fall 2009 – Present

HONORS AND AWARDS

University Medal – “Most Distinguished Graduate” of U.C. Berkeley's Graduating Class of 5,300 students, 1991

Civil Engineering Departmental Citation - Highest G.P.A. of graduates, 1991

Kennedy Interdisciplinary Studies Award in Economics, 1991

ASCE's "Promise and Accomplishment in Transportation Engineering" Award, 1991

University of California at Berkeley Fellowship, 1993-1998

National Science Foundation Fellowship, 1993-1998

ITE "Best Student Paper" Prize, Northern California Section, 1995

Outstanding Student of the Year, University of California Transportation Center, 1997

Winner, Western Regional Science Association's Tiebout Prize for Best Student Paper, 1999

Clare Boothe Luce Professor of Civil Engineering, 1999-2004

National Science Foundation Faculty Early Career Development (CAREER) Award, 2000-2004

TRB Committee on Pedestrians Award for Outstanding Paper, January 2002

Ford CAREER Award, given by Ford Motor Company's Ford Fund, 2002

Voted one the world's Top 100 Young Innovators for MIT's *Technology Review*, May 2002

Named to the National Academy of Engineering's Gallery of Women in Engineering, August 2002

Inaugural recipient of the Annual New Faculty Award, sponsored by the Council of University Transportation Centers and the American Road and Transportation Builders Association, recognizing “outstanding teaching and research contributions to the transportation field.” December 2002

Featured in *High Tech Austin, The Ultimate Who's Who of the Austin High-Tech Community*, 5th edition, 2003

Recipient of the William J. Murray Jr. Fellowship in Engineering, September 2004-Present

Recipient of the Geoffrey J.D. Hewings Award, presented by the Regional Science Association International, for innovative research contributions, November 2006
Recipient of ASCE's Harland Bartholomew Award, in recognition of contributions to the enhancement of the role of the civil engineer in urban planning and development, November 2007
Recipient of the Women's Transportation Seminar (WTS) 2007 Heart of Texas Chapter *Woman of the Year* Award, January 2008 (awarded May 1, 2008)
Recipient of Plan II Honors Program stipend for support of undergraduate Matthew Bomberg, The University of Texas, May 2008
TRB Committee on Statistical Methodology in Transportation Research Award for Best Annual Meeting Paper with Young Researcher Co-Author, January 2010.

PROFESSIONAL SOCIETY AFFILIATIONS & LICENSURE

American Society for Engineering Education, 1999-2006
International Association of Travel Behavior Research, 1998-Present
Society of Women Engineers, 2000-2004
American Society of Civil Engineers, 2000-2003, 2005-2007
Regional Science Association International, 2002-Present
American Association of Geographers, 2002-2004
Institute for Operations Research and the Management Sciences, 2003-2004
World Conference on Transportation Research Society, 2007-Present
Licensed Professional Engineer, States of California (Certification #C057380, since 18 July 1997) and Texas (Certification #93443, since 14 May 2004)
Licensed City Planner, AICP 2008, and Member, American Planning Association National and Texas Chapter, 2008

REFEREED, ARCHIVAL PUBLICATIONS

1. Kockelman, Kara. "High-Speed Rail for California: A Cost-Benefit Analysis." *Berkeley Planning Journal*, Volume 9, pp. 61-80, 1994.
2. Cervero, Robert and Kara Kockelman. "Travel Demand and the Three Ds: Density, Diversity, and Design." *Transportation Research 2D* (3), pp. 199-219, 1997.
3. Kockelman, Kara. "Travel Behavior as a Function of Accessibility, Land Use Mixing, and Land Use Balance: Evidence from the San Francisco Bay Area." *Transportation Research Record No. 1607*, Journal of the Transportation Research Board, pp. 116-125, 1997.
4. Kockelman, Kara. "The Effects of Location Elements on Home Purchase Prices and Rents in San Francisco Bay Area." *Transportation Research Record No. 1606*, Journal of the Transportation Research Board, pp. 40-50, 1997.
5. Kockelman, Kara. "Changes in the Flow-Density Relationship due to Environmental, Vehicle, and Driver Characteristics." *Transportation Research Record No. 1644*, Journal of the Transportation Research Board, pp. 47-56, 1998.
6. Kockelman, Kara. "Application of a Utility-Theory-Consistent, System-of-Demand-Equations Approach to Household Travel Choice." *Transportation Research Record No. 1676*, Journal of the Transportation Research Board, pp. 20-29, October 1999.
7. Kockelman, Kara. "To LDT or Not to LDT: Assessment of Principal Impacts of Light-Duty Trucks." *Transportation Research Record No. 1738*, Journal of the Transportation Research Board, November/December, pp. 3-10, 2000.
8. Kockelman, Kara, Yong Zhao, Lydia Heard, Dean Taylor, and Beth Taylor. "Sidewalk Cross-Slope Requirements of the Americans with Disabilities Act: Literature Review." *Transportation Research Record No. 1705*, Journal of the Transportation Research Board, pp. 53-60, December 2000.

9. Kockelman, Kara and Raheel, Shabih. "Effect of Light-Duty Trucks on the Capacity of Signalized Intersections." *Journal of Transportation Engineering*, 126 (6): pp. 506-512, 2000.
10. Kockelman, Kara and Yong Zhao. "Behavioral Distinctions: The Use of Light-Duty Trucks and Passenger Cars." *Journal of Transportation and Statistics* 3 (3), pp. 47-60, 2000.
11. Kockelman, Kara, Yong Zhao, and Chessalay Blanchard-Zimmerman. "Meeting the Intent of ADA in Sidewalk Cross- Slope Design." *Journal of Rehabilitation Research and Development* 38 (1), pp. 101-110, 2001.
12. Kockelman Kara. "A Model for Time- and Budget-Constrained Activity Demand Analysis." *Transportation Research* 35B (3), pp. 255-269, 2001.
13. Kockelman, Kara. "Modeling Traffic's Flow-Density Relation: Accommodation of Multiple Flow Regimes and Traveler Types." *Transportation* 28 (4), pp. 363-374, November 2001.
14. Nakamura, Katsuhiko and Kara Kockelman. "Congestion Pricing and Roadspace Rationing: An Application to the San Francisco Bay Bridge Corridor." *Transportation Research* 36A (5), pp. 403-417, 2002.
15. Kockelman, Kara and Young-Jun Kweon. "Driver Injury Severity: An Application of Ordered Probit Models." *Accident Analysis and Prevention* 34 (4), pp. 313-321, 2002.
16. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models: An Exploratory Analysis." *Annals of Regional Science* 36 (1), pp. 145-163, March 2002.
17. Srinivasan, Siva and Kara Kockelman. "The Impacts of Bypasses on Small- and Medium-Sized Communities: An Econometric Analysis." *Journal of Transportation and Statistics* 5 (1), pp. 57-69, 2002.
18. TenSiethoff, Brian and Kara Kockelman. "Property Values and Highway Expansions: Timing, Size, Location, and Use Effects." *Transportation Research Record No. 1812*, Journal of the Transportation Research Board, pp. 191-200, December 2002.
19. Srour, Issam, Kara Kockelman, and Travis Dunn. "Accessibility Indices: Connection to Residential Land Prices and Location Choices." *Transportation Research Record No. 1805*, Journal of the Transportation Research Board, pp. 25-34, December 2002.
20. Kockelman, Kara, Lydia Heard, Young-Jun Kweon, and Thomas W. Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities." *Transportation Research Record No. 1818*, Journal of the Transportation Research Board, pp. 108-118, December 2002.
21. Pradhan, Anant and Kara Kockelman. "Uncertainty Propagation in an Integrated Land Use-Transportation Modeling Framework: Output Variation via UrbanSim." *Transportation Research Record No. 1805*, Journal of the Transportation Research Board, pp. 128-135, December 2002.
22. Kweon, Young-Jun and Kara Kockelman. "Overall Injury Risk to Different Drivers: Combining Exposure, Frequency, and Severity Models." *Accident Analysis and Prevention* 35 (3), pp. 414-450, 2003.
23. Kockelman, Kara, Randy Machemehl, Aaron Overman, Jacob Sesker, Marwan Madi, Jenny Peterman, and Susan Handy. "Frontage Roads: An Assessment of Legal Issues, Design Decisions, Costs, Operations, and Land-Development Differences." *Journal of Transportation Engineering*, 129 (3), pp. 242-252, May 2003.
24. Kockelman, Kara and Sriram Krishnamurthy, "Propagation of Uncertainty in Transportation-Land Use Models: Investigation of DRAM-EMPAL and UTPP Predictions in Austin, TX." *Transportation Research Record No. 1831*, Journal of the Transportation Research Board, pp. 219-229, December 2003.
25. Zhao, Yong and Kara Kockelman. "The Random-Utility-Based Multiregional Input-Output Model: Solution Existence and Uniqueness." *Transportation Research* 38B (9), pp. 789-807, 2004.
26. Kockelman, Kara and Sriram Krishnamurthy. "A New Approach for Travel Demand Modeling: Linking Roy's Identity to Discrete Choice." *Transportation Research* 38B pp. 459-475, 2004.
27. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: Travel, Land Value, & Welfare Impacts." *Transportation Research Record No. 1864*, Journal of the Transportation Research Board, pp. 45-53, 2004.
28. Frazier, Christopher and Kara Kockelman. "Chaos Theory and Transportation Systems: An Instructive Example." *Transportation Research Record No.1897*, Journal of the Transportation Research Board, pp. 9-17, 2004.
29. Heiner, Jared and Kara Kockelman. "The Costs of Right of Way Acquisition: Methods and Models for Estimation." *Journal of Transportation Engineering* 131 (3), pp. 193-204, March 2005.

30. Vanka, Salila, Susan Handy, and Kara Kockelman. "State-local Coordination in Managing Land Use and Transportation Along State Highways." *Journal of Urban Planning and Development* 131 (1), pp. 10-18, March 2005.
31. Kockelman, Kara and Sukumar Kalmanje. "Credit-Based Congestion Pricing: A Policy Proposal and the Public's Response." *Transportation Research* 39A, pp. 671-690, August 2005.
32. Kockelman, Kara, Ling Jin, Yong Zhao, and Natalia Ruiz-Juri. "Tracking Land Use, Transport, and Industrial Production using Random-Utility Based Multizonal Input-Output Models: Applications for Texas Trade." *Journal of Transport Geography* 13 (3), pp. 275-286, September 2005.
33. Frazier, Christopher and Kara Kockelman. "Spatial Econometric Models for Panel Data: Incorporating Spatial and Temporal Data." *Transportation Research Record No. 1902*, Journal of the Transportation Research Board, pp. 80-90, 2005.
34. Wang, Xiaokun and Kara Kockelman. "Use of Heteroscedastic Ordered Logit Model to Study Severity of Occupant Injury: Distinguishing Effects of Vehicle Weight and Type" *Transportation Research Record No. 1908*, Journal of the Transportation Research Board, pp. 195-204, 2005.
35. Kweon, Young-Jun and Kara Kockelman. "Safety Effects of Speed Limit Changes: Use of Panel Models, Including Speed, Use, and Design Variables." *Transportation Research Record No. 1908*, Journal of the Transportation Research Board, pp. 148-158, 2005.
36. Hakimi, Shadi and Kara Kockelman. "Right-of-Way Acquisition and Property Condemnation: a Comparison of U.S. State Laws." *Journal of the Transportation Research Forum* 44 (3), pp. 45-58, 2005.
37. Gupta, Surabhi, Sukumar Kalmanje, and Kara Kockelman. "Road Pricing Simulations: Traffic, Land Use and Welfare Impacts for Austin, Texas." *Transportation Planning & Technology* 29 (1), pp. 1-23, February 2006.
38. Zhao, Yong and Kara Kockelman. "On-Line Marginal-Cost Pricing across Networks: Incorporating Heterogeneous Users and Stochastic Equilibria." *Transportation Research* 40B (5), pp. 424-435, April 2006.
39. Ruiz-Juri, Natalia and Kara Kockelman. "Evaluation of the Trans-Texas Corridor Proposal: Application and Enhancements of the Random-Utility-Based Multiregional Input-Output Model." *Journal of Transportation Engineering* 132 (7), pp. 531-539, 2006.
40. Podgorski, Kaethe and Kara Kockelman. "Public Perception of Toll Roads: A Survey of Texas Perspective." *Transportation Research* 40A, pp. 888-902, December 2006.
41. Bina, Michelle, Valdemar Warburg, and Kara Kockelman. "Location Choice vis-à-vis Transportation: The Case of Apartment Dwellers." *Transportation Research Record No. 1977*, Journal of the Transportation Research Board, pp. 93-102, 2006.
42. Wang, Xiaokun and Kara Kockelman. "Tracking Land Cover Change in a Mixed Logit Model: Recognizing Temporal and Spatial Effects." *Transportation Research Record No. 1977*, Journal of the Transportation Research Board, pp. 112-120, 2006.
43. Ma, Jianming, Kara Kockelman, and Paul Damien. "Bayesian Multivariate Poisson Regression for Models of Injury Count, by Severity." *Transportation Research Record No. 1950*, Journal of the Transportation Research Board, pp. 24-34, 2006.
44. Kweon, Young-Jun and Kara Kockelman. "Driver Attitudes and Choices: Speed Limits, Speed Choices, Seatbelt Use." *Journal of the Transportation Research Forum* 45 (3), pp. 39-56, 2006.
45. Wang, Xiaokun and Kara Kockelman. "Specification and Estimation of a Spatially and Temporally Autocorrelated Seemingly Unrelated Regression Model: Application to Crash Rates in China." *Transportation* 34 (3), pp. 281-300, May 2007.
46. Ma, Jianming and Kara Kockelman. "Freeway Speeds and Speed Variations preceding Crashes, within and across Lanes." *Journal of Transportation Research Forum* 46 (1) pp. 43-61, Spring 2007.
47. Lemp, Jason, Laura McWethy, and Kara Kockelman "From Aggregate Methods to Microsimulation: Assessing the Benefits of Microscopic Activity-Based Models of Travel Demand." *Transportation Research Record No. 1994*, Journal of the Transportation Research Board, pp. 80-88, 2007.
48. Gulipalli, Pradeep and Kara Kockelman. "Credit-Based Congestion Pricing: A Dallas-Fort Worth Application." *Transport Policy* 15 (1), pp. 23-32, 2008.

49. Zhou, Bin (Brenda) and Kara Kockelman. "Neighborhood Impacts on Land Use Change: A Multinomial Logit Model of Spatial Relationships." *Annals of Regional Science*, 42 (2), pp. 321-340, April 2008.
50. Ma, Jianming, Kara Kockelman and Paul Damien. "A Multivariate Poisson-Lognormal Regression Model for Prediction of Crash Counts by Severity, Using Bayesian Methods." *Accident Analysis and Prevention*, 40 (3), pp. 964-975, 2008.
51. Lemp, Jason, Brenda Zhou, Kara Kockelman, and Barbara Parmenter. "Visioning vs. Modeling: Analyzing the Land Use-Transportation Futures of Urban Regions." *Journal of Urban Planning and Development*, 134 (3), 2008.
52. Huang, Tian and Kara Kockelman. "The Introduction of Dynamic Features in a Random-Utility-Based Multiregional Input-Output Model of Trade, Production, and Location Choice." *Journal of the Transportation Research Forum*, 47 (1), pp. 23-42, 2008.
53. Kumar, Saurabh and Kara Kockelman. "Tracking the Size, Location and Interactions of Businesses: Microsimulation of Firm Behavior in Austin, Texas." *Transportation Research Record No. 2077*, Journal of the Transportation Research Board, pp. 113-121, 2008.
54. Zhou, Brenda and Kara Kockelman. "Microsimulation of Residential Land Development and Household Location Choices: Bidding for Land in Austin, Texas." *Transportation Research Record No. 2077*, Journal of the Transportation Research Board, pp. 106-112, 2008.
55. Zhou, Brenda and Kara Kockelman. "Self-Selection in Home Choice: Use of Treatment Effects in Evaluating the Relationship Between the Built Environment and Travel Behavior." *Transportation Research Record No. 2077*, Journal of the Transportation Research Board, pp. 54-61, 2008.
56. Stopher, Peter R, Kara Kockelman, Stephen Greaves, and Eoin Clifford. "Reducing Burden and Sample Sizes in Multiday Household Travel Surveys." *Transportation Research Record No. 2064*, Journal of the Transportation Research Board, pp. 12-18, 2008.
57. Gulipalli, Pradeep, Sukumar Kalmanje, and Kara Kockelman. "Credit-Based Congestion Pricing: Expert Expectations and Guidelines for Application." *Journal of the Transportation Research Forum*, 47 (2), pp. 5-20, 2008.
58. Karoonsoontawong, Ampol, Satish Ukkusuri, S. Travis Waller and Kara Kockelman. "A Simulation-based Approximation Algorithm for Dynamic Marginal Cost Pricing." *Journal of the Transportation Research Forum* 47(4), pp. 81-99, 2008.
59. Bina, Michelle and Kara Kockelman. "Location Choice vis-à-vis Transportation: The Case of Recent Home Buyers." Chapter 28 in *The Expanding Sphere of Travel Behaviour Research*. pp. 597-619, Kitamura, R. and T. Yoshii (Eds.), Emerald Publishing, 2009.
60. Kockelman, Kara, Kaethe Podgorski, Michelle Bina and Shashank Gadda. "Public Perceptions of Pricing Existing Roads and Other Transportation Policies: The Texas Perspective." Forthcoming in the *Journal of the Transportation Research Forum*, 2009.
61. Zhou, Brenda and Kara Kockelman. "Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes." *Journal of Transport Geography* 17 (5), pp. 369-376, 2009.
62. Lemp, Jason and Kara Kockelman. "Quantifying the External Costs of Vehicle Use: Evidence from America's Top Selling Light-Duty Modes." *Transportation Research* 13D (8), pp. 491-504, 2008.
63. Wang, Cara and Kara Kockelman. "Forecasting Network Data: Spatial Interpolation of Traffic Counts Using Texas Data." *Transportation Research Record No. 2105*, Journal of the Transportation Research Board, pp. 100-108, 2009.
64. Wang, Xiaokun and Kara Kockelman. "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Land Development Change in Austin, Texas." *Papers in Regional Science*, 88 (2), pp. 345-366, 2009.
65. Kalmanje, Sukumar and Kara Kockelman. "Variations in Toll Road Impacts: Case Studies from Texas." *Journal of the Transportation Research Forum*, 48(2), pp. 5-22, 2009.

66. Wang, Xiaokun and Kara Kockelman. "The Dynamic Spatial Ordered Probit Model: Methods for Capturing Patterns of Spatial and Temporal Autocorrelation in Ordered Response Data, Using Bayesian Estimation." Forthcoming in *Journal of Regional Science*, 2009.
67. Gadda, Shashank, Kara Kockelman and Paul Damien. "Continuous Departure Time Models: A Bayesian Approach." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
68. Lemp, Jason and Kara Kockelman. "Understanding and Accommodating Risk and Uncertainty in Toll Road Projects: A Review of the Literature." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
69. Wang, Cara and Kara Kockelman. "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
70. Zhou, Brenda, Kara Kockelman and Jason Lemp. "Transportation and Land Use Policy Analysis Using Integrated Transport and Gravity-based Land Use Models." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
71. Zhou, Brenda and Kara Kockelman. "Lessons Learned in Developing and Applying Land Use Model Systems: A Parcel-based Example." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
72. Lemp, Jason and Kara Kockelman. "Anticipating Welfare Impacts via Travel Demand Forecasting Models: Comparison of Aggregate and Activity-Based Approaches for the Austin, Texas Region." Forthcoming in *Transportation Research Record*, Journal of the Transportation Research Board, 2009.
73. Boyles, Stephen, Kara Kockelman and S. Travis Waller. "Congestion Pricing under Operational Supply Side Uncertainty." Forthcoming in *Transportation Research Part C*, September 2009.

Current Submissions under Review:

74. Duthie, Jennifer, Avinash Voruganti, Kara Kockelman and S.T. Waller. "Uncertainty Analysis and its Impacts on Decision-Making in an Integrated Transportation and Gravity-based Land Use Model." Under review for publication in the *Journal of Urban Planning and Development*, December 2008.
75. Kockelman, Kara, Melissa Thompson and Charlotte Whitehead. "Americans' Contributions to Climate Change: Opportunities for Meeting Carbon Targets." Under review for publication in the *Journal of Urban Planning and Development*, December 2008.
76. Shively, Thomas, Kara Kockelman and Paul Damien. "A Bayesian Semi-parametric Model to Estimate Relationships Between Crash Counts and Roadway Characteristics." Submitted to special issue of *Transportation Research Part B*, March 2009.
77. Zhou, Brenda and Kara Kockelman. "Land Use Change through Microsimulation of Market Dynamics: An Agent-based Model of Land Development and Locator Bidding in Austin, Texas." Submitted for publication in *Environment & Planning B*, September 2009.
78. Zhou, Brenda, Kara Kockelman and Rui Gao. "Opportunities for and Impacts of Carsharing: A Survey of the Austin, Texas Market." Under review for publication in the *International Journal of Sustainable Transport*, October 2009.
79. Lemp, Jason and Kara Kockelman. "The Continuous Cross-Nested Logit Model: Formulation and Application for Departure Time Choice." Submitted for publication to *Transportation Research Part B*, October 2009.
80. Lemp, Jason and Kara Kockelman. "Empirical Investigation of the Continuous Logit for Departure Time Choice using Bayesian Methods." Under review for publication in *Transportation Research Record*, October 2009.
81. Xie, Chi and Kara Kockelman. "A Maximum Entropy Method for Subnetwork Origin-Destination Trip Matrix Estimation." Under review for publication in *Transportation Research Record*, October 2009.
82. Unnikrishnan, Avinash and Kara Kockelman. "Analysis Of Large Truck Crash Severity Using

Heteroscedastic Ordered Probit Models.” Under review for publication in *Transportation Research Record*, October 2009.

83. Whitehead, Charlotte and Kara Kockelman. “Americans' Time Use: A Focus on Women and Child-Rearing via Structural Equations Modeling.” Under review for publication in *Transportation Research Record*, October 2009.
84. McDonald- Buller, Elena, Alba Webb, Kara Kockelman and Brenda Zhou. “Air Quality Impacts of Transportation and Land Use Policies: A Case Study in Austin, Texas.” Under review for publication in *Transportation Research Record*, October 2009.
85. Kockelman, Kara and Jason Lemp. “The Financing of New Highways: Opportunities for Welfare Analysis and Credit-based Congestion Pricing.” Submitted for publication in *Transportation Research Part A*, October 2009.
86. Ng, ManWo, S. Travis Waller and Kara Kockelman. “Relaxing the Multivariate Normality Assumption in the Simulation of Transportation System Dependencies.” Submitted for publication to *Transportation Letters: The International Journal of Transportation Research*, November 2009.

BOOK CHAPTERS & BOOK REVIEWS

Book Chapters

1. Jara-Díaz, Sergio R., and Kara Kockelman. “Microeconomic Perspectives on Travel Behavior and Valuation Research.” Workshop Report for the International Association of Travel Behavior Research conference of 2000, Published in *The Leading Edge of Behavioral Transport Research*, D. Hensher (Ed.), Pergamon Press, pp. 279-287, 2002.
2. Kockelman, Kara. “Traffic Congestion.” Published as Chapter 22 in the *Transportation Engineers Handbook*, McGraw Hill, January 2004.
3. Ukkusuri, Satish, Ampol Karoonsoontawong, S. Travis Waller and Kara Kockelman. “Congestion Pricing Technologies: A Comparative Evaluation.” Published as Chapter 4 in *New Transportation Research Progress*, Filip N. Gustavsson (Ed.) 2008, pp. 121-142, Nova Science Publishers.
4. Wang, Xiaokun and Kara Kockelman. “Maximum Simulated Likelihood Estimation with Correlated Observations: A Comparison of Simulation Techniques.” Forthcoming in *Monograph on Transportation Statistics*, JD Ross Publications, December 2008.
5. Kockelman, Kara, Michael Browne and Jacques Leonardi. “The Acquisition of Long-Distance Freight Data.” Chapter 18 in Bonnel, P., M. Lee-Gosselin, J. Zmud and J.-L. Madre (eds.) *Transport Survey Methods: Keeping Up with a Changing World*, Emerald Group Publishing, U.K., 2009.

Book Reviews

1. Review of D. Neimeier and J. Utt’s Prospectus for *Statistics for Engineers*, for Duxbury Press. Review of R.H.M. Emmerink’s book *Information and Pricing in Road Transportation*, for *Papers in Regional Science*, 1999, Volume 78: 333-335.
3. Review of Gärling et al.’s (eds.) book *Theoretical Foundations of Travel Choice Modeling*, for *Transportation*, 1999, Volume 4: 435.
4. Review of K.J. Button and E.T. Verhoef’s (eds.) book *Road Pricing, Traffic Congestion and the Environment*, for *Journal of Regional Science*, August 2000 issue.
5. Review of D.L. Greene et al. (eds.) book *The Full Costs and Benefits of Transportation: Contributions to Theory, Method, and Measurement*, for *Transportation Science* 34 (4), November 2003.
6. Review of Ennio Cascetta's *Transportation Systems Analysis: Models and Applications* text for Kluwer/Springer Publishing Company, September 2007.

EDITORIAL BOARD ASSIGNMENTS

Member, Editorial Advisory Board, *Transportation Research Part B*, 2001-Present
Associate Editor, *Journal of Regional Science*, June 2004-Present

Member, Editorial Board, *Papers in Regional Science*, February 2005-Present
 Member, Editorial Board, UT's *Undergraduate Research Journal*, September 2005-Present
 Member, Editorial Advisory Board, *Journal of Transport and Land Use*, May 2007-Present
 Member, Editorial Review Board, *International Regional Science Review*, 2009-2012

UNIVERSITY COMMITTEE ASSIGNMENTS

University -	Member, University Shuttle Committee	1998-2004
	Member, Search Committee for the Department of Community & Regional Planning	2003
	Member, Research Internship Selection Committee	2007-2009
School -	Member, School of Engineering Technical Communication Committee	1999-2000
	Member, Hocott Award Selection Committee	2007-present
Departmental -	Member, Undergraduate Experience Committee	1998-2001
	Member, Graduate Curricula and Policies Committee	1999-2000
	Graduate Recruiter for Transportation	2001-2002
	Member, Graduate Fellowships, Financial Aid & Recruiting Committee	2001-2002
	Member, Computer Use & Policies Committee	2001-2003
	Department Liaison to University Libraries	2001-Present
	Chair, Information Technology Committee	2003-2009
	Member, Awards Committee	2004-2006
	Member, ABET PO3 Subcommittee	2009-Present
	Transportation Area Coordinator	2009-Present
Member, Outreach Committee	2009-2010	

PROFESSIONAL SERVICE: COMMITTEE ASSIGNMENTS

Member, Subcommittee on Integrated Transportation and Land Use Modeling, Transportation Research Board (TRB), 2001-Present.

Member, Committee on Transportation and Land Development, Transportation Research Board (TRB), 1999-Present.

Member, Committee on Traveler Behavior and Values, Transportation Research Board (TRB), February 2002-February 2005.

Member, Committee on Travel Survey Methods, Transportation Research Board (TRB), 2002-2007.

Chair, Committee on Travel Survey Methods, Transportation Research Board (TRB ABJ40), 2007-Present.

Member, Committee on Statistical Methodology and Statistical Computer Software in Transportation Research, Transportation Research Board, (TRB ABJ80), 2007-Present.

Member, "Providing Transit Options for Older Americans" Project Panel, National Research Council's Transportation Research Board (TRB) Transit Cooperative Research Program (TCRP), 1999-2001.

Member, "Statistical and Methodological Standards for Metropolitan Travel Surveys" Project Panel, National Research Council's Transportation Research Board (TRB), National Cooperative Highway Research Program (NCHRP), 2002-2006.

Member, "Using American Community Survey Data for Transportation Planning" Project Panel, National Research Council's Transportation Research Board (TRB), National Cooperative Highway Research Program (NCHRP), 2002-2007.

Panelist, National Expert Panel for (Portland, Oregon's) MetroScope model, 2001.

Panelist, USDOT's Office of Transportation Policy, Expert Forum on Modeling Pricing in the Planning Process, Alexandria, VA, November 14 & 15, 2005

Panelist, National Science Foundation's Proposal Review Panels, Fall 2001, Spring 2003, Fall 2005, Spring 2006, Fall 2006 and Fall 2009.

Member, Search Committee for the Department of Community & Regional Planning, The University of Texas, Austin, Spring 2003.

Member, Conference Planning Committee, 50th, 51st, 52nd, 53rd, and 54th and 55 Annual North American Meetings of the Regional Science Association International, November 2003 through 2008 (Philadelphia, Puerto Rico, Las Vegas, Toronto, Savannah and Brooklyn).

Member, Nominations Committee of the North American Regional Science Council, October 2005 – Present.

Councilor, North American Regional Science Council, January 2006 through January 2009.

Judge, 2nd International Association of Travel Behavior Research Lifetime Achievement Award Panel, August 2006.

Member, National Research Council Committee for the Study on Relationships Among Development Patterns, VMT, and Energy Conservation, 2007-2009.

Member, RAND Corporation's Panel on Transportation and Climate Change, Washington, DC, June 2008.

Chair, 2009 North American Meetings of the Regional Science Association International, November 2009.

OTHER PROFESSIONAL SERVICE

Outside Reviewer for Papers submitted to various journals, including: *Transportation Research (Parts A, B, C & D)*, *Transportation Science*; *Transportation Planning & Technology*; *ASCE's Journal of Transportation Engineering*; *Journal of the American Planning Association*; *International Journal of Operations and Quantitative Management*; *Annals of Regional Science*; *Journal of Regional Science*; *Transport Policy*; *Journal of the Transportation Research Forum*; *Papers in Regional Science*; *Journal of Planning Literature*; *Urban Studies*; *Accident Analysis & Prevention*; and *Environment & Planning*.

Outside Reviewer for Papers submitted to the following conferences & conference committees: Transportation Research Board (TRB) Committees on Travel Behavior Modeling; Transportation & Land Development; Traffic Flow Theory and Characteristics; Passenger Travel Demand Forecasting; Travel Survey Methods; Transportation Network Modeling; Safety Data, Analysis and Evaluation; Highway Capacity and Quality of Service, Taxation and Finance; and (Subcommittee on) Integrated Transportation and Land Use Modeling; World Conference on Transportation Research; International Symposium on Transportation and Traffic Theory; World Conference on Intelligent Transportation Systems; and others; 1997-Present.

Outside Reviewer for Proposals submitted to the following agencies: The University of California Transportation Center (UCTC), the U.S. Environmental Protection Agency (EPA) and the CERG System of Research Grants Council, Hong Kong, the U.S. Army Corps of Engineers Engineer Research and Development Center's (ERDC), 2003-Present.

U.T. Women in Engineering Program (WEP), Active Participant, 1998-Present.

Advisor to the Urban Issues Program at U.T., Austin, TX, 1999-2003.

Fireside Chat Host to U.T. Undergraduates at my Home, March 1999, March & April 2000, April 2002, April 2003 and hosted SWE luncheon at a local park, April 2007.

Advisor to Society of Women Engineers, U.T. Chapter, March 1999-2003 (& Informal Advisor, November 1998-March 1999).

Organized & sponsored Peace Corps information meeting for U.T. Students featuring 6 speakers delivering a formal presentation regarding Peace Corps service, U.T. campus, Austin, TX, Spring 1999 and 2003.

Cluster Facilitator at U.T.'s week-long LeaderShape-Texas Institute, May 1999 and August 2000.

Advising Engineer for Careers in Engineering for Women (CEW) Summer Program, June 1999.

Assisted U.T.'s Women in Engineering Program during two screening sessions for applicants to Careers in Engineering for Women (CEW) summer program, April 9 & 10, 2000.

Volunteer for Habitat for Humanity, Austin, TX, May and June 2000.

Faculty Mentor, Freshman Engineering Class, U.T. College of Engineering, Fall 2001, 2002 and 2003.

Organized & sponsored first-ever Friday Forum for Future Female Faculty (“F6”), for doctoral students and faculty in the Colleges of Engineering and Natural Science, Austin, TX, August 2002. Organized a second, similar event in October 2003.

Panelist, MIT’s *Technology Review* magazine’s TR100 (Top 100 Innovators) panel of judges, January 2003.

Panelist for Leadership Austin’s Roundtable Discussion titled “Rail and Roads and the Future of Austin” in Austin, Texas on September 23, 2004 (Co-panelists were Austin Mayor W. Wynn, County Commissioner G. Daugherty, and DART Exec. VP Doug Allen).

Advisor to the U.T. Chapter of Engineers Without Borders, August 2005 – 2009.

Advisor to the El Paso, Texas Metropolitan Planning Organization, April 2006-Present.

Founding Member, Austin Carshare (www.austincarshare.org) July 2006.

Chaired Road Pricing Policy Session for International Association of Travel Behavior Research Conference, Kyoto, Japan, August 18, 2006.

Overseas PhD Thesis Examiner for Singapore’s Nanyang Technological University (School of Civil and Environmental Engineering), August 2007.

Adjunct Faculty Member of U.T.’s Division of Statistics and Scientific Computation, 2007-Present.

Presented to UT Austin assistant faculty (pre-tenure group) “Time Management for a Ticking Tenure Clock”, sponsored by UT’s Work Life Services Program, Austin, TX, March 19, 2008.

Chair of 8-hour workshop, titled “The Acquisition of Long Distance Freight Data” for the 8th International Conference on Survey Methods in Transport, Annecy, France, May 28, 2008.

Delivered 2 lectures for new CAEE course titled CE 397: Selected Topics in Sustainability (team taught with other faculty), Spring 2009.

CAEE Faculty Mentor, providing a support network for four first- and second-year CAEE students, U.T. Austin, 2009.

Organized and conducted a 1.5-day workshop on Integrated Transportation Land Use Models for the North Central Texas Council of Governments, facilitating a 30-member panel of national and international experts in the field of land-use modeling, Arlington, TX, July 2009.

Chaired 2-day Meeting of Congestion Pricing Model Expert Panel for the Southern California Association of Governments (SCAG), facilitating a panel of national and international experts in the field of congestion pricing, Los Angeles, California, August 2009

Member of External Advisory Panel for the 19th International Symposium on Transportation and Traffic Theory (ISTTT 19) in Berkeley, California, on July 18-20, 2011.

OTHER PRESENTATIONS AND PROFESSIONAL HIGHLIGHTS

Featured Speaker at U.T.’s Student Chapter of the Institute of Transportation Engineer’s Meeting, September 29, 1998.

Attended and presented at U.T. College of Engineering’s Austin Recruitment Dinner (for top high school students), March 29, 2001.

Attended Texas Women Faculty Forum, Austin, TX March 30-31, 2001.

Invited participant, National Academy of Science’s Frontiers of Engineering, University of California, Irvine, CA, March 1-3, 2002.

Attended Career Success Workshop for Faculty Women in Engineering and Natural Sciences sponsored by The University of Texas at Austin, Guadalupe River Ranch, Boerne, TX, April 5-7, 2002.

Panelist, UT Austin’s Air and Waste Management Association’s “Environmentally Incorrect” panel discussion, The University of Texas, Austin, TX, April 24, 2002.

Attended 3rd Oregon Symposium on Integrated Land Use and Transport Models, Portland, OR, July 23-25, 2002.

Invited presentation titled “Congestion 101” for UCLA Symposium titled Tackling Traffic Congestion, Lake Arrowhead, CA, October 2002.

Presented “Improving Teaching under a Heavy Research Load” at U.T. College of Engineering’s New Faculty Seminar, April 16, 2003.

Invited presenter for the USDOT-UCLA Tackling Traffic Congestion: Issues and Options Symposium to present original lecture titled “Congestion Fundamentals: Supply & Demand, Metrics & Solutions,” Washington, DC, June 26-27, 2003.

Presented “Bringing the Splendor of Statistics to All Students: Animations, Adaptive Problem Sets, & More.” Faculty Innovation Seminar, The University of Texas College of Engineering, Austin, TX, May 13, 2004.

Invited Panelist for “Teaching Your First Course: Balancing Teaching and Research.” Given to 30 female graduate students and post doctoral students from all areas of engineering as part of a seminar titled Negotiating the Ideal Faculty Position: A Workshop for Women in Engineering, at University of Texas at Austin on October 21, 2004.

Attended Sustainability as Security: Engaging Education, Business & Technology, 2005 ESW National Conference, The University of Texas, Austin, TX, October 5-9, 2005.

Presented “Regional Development, Population Trend, & Technology Change Impacts on Future Air Quality: A Case Study for Austin, Texas” as part of a progress review meeting for the U.S. Environmental Protection Agency Star Project held in Washington, DC, November 7, 2005.

Presented “The Safety Impacts of Raised Speed Limits on High-Speed Roads” as part of U.C. Berkeley Traffic Safety Center's Seminar Series, Berkeley, CA, May 31, 2006.

Panelist for UT's 2007 New Faculty Teaching, Learning & Orientation Seminar, as part of session titled “Planning for Promotion and Tenure Today,” Austin, TX, August 23, 2007.

Presented “Lessons Learned in Developing and Applying Land Use Model Systems” for the Area Metropolitan Planning Organization (AMPO) Workshop on integrating transportation and land use, Austin, TX, November 17, 2008.

Invited presentation titled “Incorporating Environment and Equity into Evaluations of Land Use Transportation Systems” for UCLA Symposium titled “Transportation - Land Use - Environment Connection,” Lake Arrowhead, CA, October 18-20, 2009.

INTERVIEWS & MEDIA EVENTS

Over 70 mentions in national, international and local news media (television, radio and print) since 1999. A sample of these is as follows:

1. Radio Interview on SUV's, CBS Radio Affiliate, July 1999.
2. Television Interview on SUV's, KVUE 24 News, August 1999.
3. Interviewed for “Heavy Traffic; No Wonder S.U.V.'s Are Called Light Trucks.” *New York Times*, January 16, 2000.
4. Interviewed by Curtis Rist, for article “Roll Over, Newton.” *Discover Magazine*, April 2001.
5. Interviewed by Paul Mulshine for his column in *The Star Ledger* (New Jersey's largest paper), May 10, 2001.
6. Interviewed by Charles Oliver for *Investor's Business Daily*, article on LDT vs. PC use (e.g., occupancies) July 2001.
7. Appeared in a documentary film titled “Bike Like You Mean It.” Produced and directed by both Rusty Martin & Susan Kirr, featured in the South by Southwest 2002 Film Festival, Austin, TX, March 2002.
8. Interviewed by Dick Gordon on “The Connection” radio program for WBUR, Boston and National Public Radio, production titled “Stopping Traffic.” May 24, 2002.
9. Interviewed for *M2 Presswire*, the world's third-largest electronic press release distribution service and the UK/Europe's largest, regarding research study titled “The Impacts of Bypasses on Small and Medium-Sized Communities: An Econometric Analysis.” December 4, 2002.
10. Interviewed by Kelly Daniel, *Austin American Statesman*, for article titled “Would you pay to skip past traffic?” Published December 16, 2002.
11. Interviewed by Jenee Richie, FOX News Network regarding Managed Lanes on 4 Central Texas Turnpikes aired on FOX national television news, January 3, 2003.

12. Research on Credit-Based Congestion Pricing as featured topic for talk show on KLBJ 590am radio talk show hosted by Kenny Rahmeyer, February 23, 2003.
13. Interviewed by Gerald Burstyn for article regarding research in *HI International*, July 28, 2003.
14. Interviewed by Steven Cuevas for radio feature titled "Toll Roads for Central Texas" for NPR affiliate, KUT radio 90.5, aired November 4, 2003.
15. Interviewed by Steve Scheibal, *Austin American Statesman* newspaper, for an article on the land use impacts of toll roads and the Trans-Texas Corridor, December 2004.
16. Interviewed by Cathy Booth Thomas, *Time Magazine*, for an article on the Trans-Texas Corridor titled "The Next Wave in Superhighways, or A Big, Fat Texas Boondoggle?" published in the December 6, 2004 edition.
17. Interviewed by Andrew Barksdale, the *Fayetteville* (North Carolina) *Observer*, regarding Public Perceptions of Toll Roads project work, August 17, 2005.
18. Interviewed by David Talbot for MIT's *Technology Review* on-line Q&A article titled "Stuck in July 4th Traffic? Maybe you should Pay More", on June 28, 2006.
19. Interviewed by David Talbot for MIT's *Technology Review* on-line article titled "Market Forces vs. Traffic Jams," on Aug 29, 2006.
20. Interviewed by Julianna Carpenez, Technology Reporter for Brazil's on-line media group, *Globo* (<http://www.globo.com/>) regarding GPS vs RFID usage in toll-tag technology, September 1, 2006.
21. Interviewed by *Financial Times*' Michael Schrage for article on Stockholm's congestion pricing experiment & worldwide traffic management experimentation, September 19, 2006.
22. Interviewed by *Technology Review*'s David Talbot for transportation article titled "Congestion Control" regarding credit-based congestion pricing benefits for Dallas-Ft. Worth, appearing on page 21, December 2006.
23. Interviewed by Craig Johnson for March 2007 issue of *Biodiesel Magazine*, regarding article on Minnesota's talk of implementing a mileage tax, January 26, 2007.
24. Interviewed by KUT's Matt Largey regarding tolling roadways for revenue, for broadcast on April 4, 2007.
25. Interviewed by KUT's Matt Largey for a story on Austin congestion, and whether we can build our way out of it, for broadcast on May 9, 2007.
26. Interviewed by *Dallas Observer* writer, Matt Pulley, regarding toll road emissions impacts for a story posted on-line November 2, 2007.
27. Interviewed by Fox 7 News' Foti Kallergis regarding SH130 contract clauses on compensation for speed limit changes along SH130 and I35, for broadcast on November 5, 2007.
28. Interviewed by UT Public Affairs representative Tim Green regarding credit-based congestion pricing research, for UT home page feature article titled "On the Road ... Again," at <http://www.utexas.edu/features/2007/traffic/>. Week of November 5, 2007.
29. Interviewed by Fox 7 News' Crystal Cotti on Austin's downtown development and impacts on downtown and Austin area traffic with projected influx of 25,000 new residents and retail, for broadcast on November 13, 2007.
30. Interviewed by the Associated Press out of Los Angeles, California regarding financial feasibility of toll roads in Orange County, on October 16, 2008.
31. Interviewed by Fox 7 News' Crystal Cotti on Austin's proposal to ban the use of non-hands-free cell phones for broadcast on November 3, 2008.
32. Quoted in FHWA's *Public Roads* magazine, regarding implications of Credit-Based Congestion Pricing theory, issue published March-April 2009.
33. Interviewed by KUT Radio's Mose Buchele, regarding the drop in business travel, and its affect on the U.S. airline industry, broadcast on April 15, 2009.
34. Interviewed by David C. Holzman from *Environmental Health Perspectives* (the journal of the National Institute of Environmental Health Sciences) on policies for greenhouse gas emissions, May 2009.

35. Interviewed by Avrel Seale, editor of U.T.'s Alumni Magazine *The Alcalde*, for the November/December 2009 issue examining "20 things students might have learned in school years ago that are now considered wrong" to address the fallacy that "More highways relieve traffic congestion," June 2009.
36. Interviewed by Phil McKenna, Energy and Environment Correspondent for MIT's *Technology Review Magazine*, regarding co-authorship of the newly released NAS study titled "Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use and CO2 Emissions", September 2009.

REFEREED CONFERENCE PROCEEDINGS

(Each Proceeding is associated with a presentation. Dr. Kockelman presented all papers marked with an asterisk []. Her graduate student co-authors presented all others.)*

1. Kockelman, Kara. "Travel Behavior as a Function of Accessibility, Land Use Balance, and Land Use Mixing: Evidence from the San Francisco Bay Area." Meeting Compendium of the Transportation Research Board's 76th Annual Meeting, Washington, DC, January 1997.*
2. Kockelman, Kara. "The Effects of Location Elements on Home Purchase Prices and Rents: Evidence from the San Francisco Bay Area." Meeting Compendium of the Transportation Research Board's 76th Annual Meeting, Washington, DC, January 1997.*
3. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Meeting Compendium, Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.
4. Kockelman, Kara and Katsuhiko Nakamura. "Congestion Pricing and Roadspace Rationing: An Application to the San Francisco Bay Bridge Corridor." Meeting Compendium, Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.*
5. Kockelman, Kara and Siva Srinivasan. "The Impacts of Bypasses on Small- and Medium-Sized Communities: An Econometric Analysis." Meeting Compendium of the Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.*
6. Kockelman, Kara and Young-Jun Kweon. "Driver Injury Severity and Vehicle Type: An Application of Ordered Probit Models." Meeting Compendium of the Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.
7. Ten Siethoff, Brian and Kara Kockelman. "Property Values and Highway Expansions: An Investigation of Timing, Size, Location, and Use Effects." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
8. Kockelman, Kara and Young-Jun Kweon. "Overall Injury Risk to Different Drivers: Combining Exposure, Frequency and Severity Models." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
9. Zhao, Yong and Kara Kockelman. "Household Vehicle Ownership by Vehicle Type: Application of a Multivariate Negative Binomial Model." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
10. Srour, Issam, Kara Kockelman, and Travis Dunn. "Accessibility Indices: Connection to Residential Land Prices and Location Choices." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
11. Kockelman, Kara, Lydia Heard, Young-Jun Kweon, and Thomas W. Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.*
12. Pradhan, Anant and Kara Kockelman. "Uncertainty Propagation in an Integrated Land Use-Transportation Modeling Framework: Output Variation via UrbanSim." Meeting Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.

13. Bhat, Chandra, Susan Handy, Kara Kockelman, Hani Mahmassani, Lisa Weston, Qinglin Chen, and Issam Srouf. "Development of Urban Accessibility Index." Compendium of Papers for the 81st Annual Meeting of the Transportation Research Board, Washington DC, January 2002.
14. Kockelman, Kara and Sriram Krishnamurthy. "Use of Roy's Identity for Comprehensive Travel Demand Modeling: Application to Austin, TX." Meeting Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.*
15. Kweon, Young-Jun and Kara Kockelman. "Driver Attitudes and Choices: Seatbelt Use, Speed Limits, Drunk Driving, and Crash Histories." Meeting Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
16. Krishnamurthy, Sriram and Kara Kockelman. "Propagation of Uncertainty in Transportation-Land Use Models: Investigation of DRAM-EMPAL and UTPP Predictions in Austin, TX." Meeting Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
17. Zhao, Yong and Kara Kockelman. "Random-Utility-Based Multiregional Input-Output Model: Solution Existence and Uniqueness." Meeting Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
18. Kockelman, Kara and Sukumar Kalmanje. "Credit-Based Value Pricing of Congested Roadways: Perceptions and Applications in Austin, TX." Proceedings of the International Association for Travel Behavior Research Conference, Lucerne, Switzerland, August 10-14, 2003.*
19. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: Travel, Land Value, & Welfare Impacts." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
20. Kockelman, Kara and Sukumar Kalmanje. "Credit-Based Value Pricing: Policy Proposal and the Public's Response." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
21. Zhao, Yong and Kara Kockelman. "On-Line Marginal-Cost Pricing across Networks with Heterogeneous Users and Stochastic Equilibria." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
22. Frazier, Christopher and Kara Kockelman. "Chaos Theory and Transportation Systems: An Instructive Example." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
23. Heiner, Jared and Kara Kockelman. "The Costs of Right of Way Acquisition: Methods and Models for Estimation." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
24. Kweon, Young-Jun and Kara Kockelman. "Spatially Disaggregate Panel Models of Crash and Injury Counts: The Effect of Speed Limits and Design." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
25. Kockelman, Kara and Jianming Ma. "Freeway Speeds and Speed Variations Preceding Crashes, Within and Across Lanes." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
26. Ma, Jianming and Kara Kockelman. "Anticipating Injury & Death: Controlling for New Variables on Southern California Highways." Meeting Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
27. Gupta, Surabhi, Sukumar Kalmanje, and Kara Kockelman. "Road Pricing Simulations: Traffic, Land Use and Welfare Impacts for Austin, Texas." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
28. Frazier, Christopher and Kara Kockelman. "Spatial Econometric Models for Panel Data: Incorporating Spatial and Temporal Data." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.*
29. Ruiz Juri, Natalia and Kara Kockelman. "Evaluation of the Trans-Texas Corridor Proposal: Application and Enhancements of the Random-Utility-Based Multiregional Input-Output Model."

- Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
30. Podgorski, Kaethe and Kara Kockelman. "Public Perceptions of Toll Roads: A Survey of the Texas Perspective. Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
 31. Gulipalli, Pradeep, Sukumar Kalmanje, and Kara Kockelman. "Credit-Based Congestion Pricing: Expert Expectations and Guidelines for Application." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
 32. Wang, Xiaokun and Kara Kockelman. "Occupant Injury Severity using a Heteroscedastic Ordered Logit Model: Distinguishing the Effects of Vehicle Weight and Type." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
 33. Kweon, Young-Jun and Kara Kockelman. "The Safety Effects of Speed Limit Changes: Use of Panel Models, Including Speed, Use and Design Variables." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
 34. Ukkusuri, Satish, Ampol Karoonsoontawong, S. Travis Waller, and Kara Kockelman. "Congestion Pricing Technologies: Synthesis and an Evaluation Framework." Meeting Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
 35. Kockelman, Kara and Yong Zhao. "Toll Predictions, Assignment, and Online Techniques in Marginal Cost Pricing." Meeting Compendium of the Specialist Session "Active Road Pricing: Description of Key Problem Areas and their Solutions," Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006 (invited presentation).*
 36. Gulipalli, Pradeep and Kara Kockelman. "Credit-Based Congestion Pricing: A Dallas-Fort Worth Application." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 37. Wang, Xiaokun and Kara Kockelman. "Tracking Land Cover Change in a Mixed Logit Model: Recognizing Temporal and Spatial Effects." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 38. Kockelman, Kara, Kaethe Podgorski, Michelle Bina, and Shashank Gadda. "Public Perceptions of Pricing Existing Roads and Other Transportation Policies: The Texas Perspective." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 39. Ma, Jianming, Kara Kockelman and Paul Damien. "Bayesian Multivariate Poisson Regression for Models of Injury Count, by Severity." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 40. Bina, Michelle, Valdemar Warburg, and Kara Kockelman. "Location Choice vis-à-vis Transportation: The Case of Apartment Dwellers." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 41. Boyles, Stephen, Satish V Ukkusuri, S. Travis Waller, and Kara Kockelman. "A Comparison of Static and Dynamic Traffic Assignment Under Tolls in the Dallas-Fort Worth Region." Meeting Compendium of the Transportation Research Board's 85th Annual Meeting, Washington, DC, January 2006.
 42. Webb, Alba, Shashank Gadda, Kara Kockelman and Elena McDonald-Buller. "Predicting the Relative Impacts of Regional Development Trends on Air Quality" (Extended Abstract #216). Proceedings of the 99th Annual Air and Waste Management Association Conference & Exhibition, New Orleans, Louisiana, June 20-23, 2006.
 43. Wang, Xiaokun and Kara Kockelman. "Specification and Estimation of a Spatially and Temporally Autocorrelated Seemingly Unrelated Regression Model: Application to Crash Rates in China." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.

44. Marks, Alexander F. and Kara Kockelman. "A Cordon Charge for the District of Columbia: A Solution to DC's Fiscal Problems and the Region's Congestion?" Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
45. Lemp, Jason, Brenda Zhou, Kara Kockelman, and Barbara Parmenter. "Visioning vs. Modeling: Analyzing the Land Use-Transportation Futures of Urban Regions." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
46. Ma, Jianming, Kara Kockleman, and Paul Damien. "Bayesian Multivariate Poisson-Lognormal Regression for Crash Prediction on Rural Two-Lane Highways." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
47. Bomberg, Matthew and Kara Kockelman. "Traveler Response to the 2005 Gas Price Spike." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
48. Zhou, Brenda and Kara Kockelman. "Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
49. Gadda, Shashank and Kara Kockelman. "Continuous Departure Time Models: A Bayesian Approach." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
50. Huang, Tian and Kara Kockelman. "The Introduction of Dynamic Features in a Random-Utility-Based Multiregional Input-Output Model of Trade, Production, and Location Choice." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
51. McWethy, Laura, Jason Lemp, and Kara Kockelman "From Aggregate Methods to Microsimulation: Assessing the Benefits of Microscopic Activity-Based Models of Travel Demand." Meeting Compendium of the Transportation Research Board's 86th Annual Meeting, Washington, DC, January 2007.
52. Gadda, Shashank, Atul Magoon, and Kara Kockelman. "Quantifying the Uncertainty in Annual Average Daily Traffic (AADT) Count Estimates." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.*
53. Ma, Jianming, Kara Kockleman, and Paul Damien. "Bayesian Multivariate Poisson-Lognormal Regression for Crash Prediction on Rural Two-Lane Highways." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.
54. McWethy, Laura, Jason Lemp, and Kara Kockelman "From Aggregate Methods to Microsimulation: Assessing the Benefits of Microscopic Activity-Based Models of Travel Demand." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.
55. Huang, Tian and Kara Kockelman. "The Introduction of Dynamic Features in a Random-Utility-Based Multiregional Input-Output Model of Trade, Production, and Location Choice." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.
56. Zhou, Brenda and Kara Kockelman. "Microsimulation of Residential Land Development and Household Location Choices: Bidding for Land in Austin, Texas." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.
57. Zhou, Brenda and Kara Kockelman. "Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.
58. Wang, Xiaokun and Kara Kockelman. "Maximum Simulated Likelihood Estimation with Correlated Observations: A Comparison of Simulation Techniques." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.*
59. Lemp, Jason, Brenda Zhou, Kara Kockelman and Barbara Parmenter. "Visioning vs. Modeling: Analyzing the Land Use-Transportation Futures of Urban Regions." Presented at The 11th World Conference on Transport Research, Berkeley, CA, June 2007.

60. McDonald-Buller, Elena, Jihee Song, Alba Webb, Gary McGaughey, Brenda Zhou, Kara Kockelman, Jason Lemp, Barbara Parmenter, and David Allen. "The Impacts of Urban Development on Anthropogenic and Biogenic Emissions and Air Quality: A Case Study in Austin, Texas." Meeting Compendium of the Air & Waste Management Association's Transportation Land-Use, Planning, and Air Quality Conference, Orlando, FL, July 9-11, 2007. (Extended abstract.)
61. Kumar, Saurabh and Kara Kockelman. "Tracking the Size, Location and Interactions of Businesses: Microsimulation of Firm Behavior in Austin, Texas." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
62. Lemp, Jason and Kara Kockelman. "Quantifying the External Costs of Vehicle Use: Evidence from America's Top Selling Light-Duty Modes." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
63. Zhou, Brenda and Kara Kockelman. "Microsimulation of Residential Land Development and Household Location Choices: Bidding for Land in Austin, Texas." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
64. Zhou, Brenda and Kara Kockelman. "Opportunities for and Impacts of Carsharing: A Survey of the Austin, Texas Market ." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
65. Zhou, Brenda and Kara Kockelman. "Self-Selection in Home Choice: Use of Treatment Effects in Evaluating the Relationship Between the Built Environment and Travel Behavior." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
66. Habib, Khandker N. and Kara Kockelman. "Modeling the Choice of Residential Location and Home Type: Recent Movers in Austin, Texas ." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.*
67. Zhao, Yong, Kara Kockelman and Anders Karlstrom. "Welfare Calculations in Discrete Choice Settings: The Role of Error Term Correlation." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
68. Karoonsoontawong, Ampol and Kara Kockelman. "Simulation-Based Heuristic Approach for Dynamic Marginal Cost Pricing." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
69. Stopher, Peter R, Kara Kockelman, Stephen Greaves, and Eoin Clifford. "Reducing Burden and Sample Sizes in Multiday Household Travel Surveys." Meeting Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
70. Wang, Cara and Kara Kockelman. "Data Mining for Supporting Integrated Land Development-Transportation Modeling – A Case Study of Austin, TX, US." Meeting Compendium of the International Conference on Integrated Transport for Sustainable Urban Development, Beijing, China, December 2008.
71. Stephen Boyles, Satish Ukkusuri, S Travis Waller, and Kara Kockelman. "A Comparison of Static and Dynamic Traffic Assignment under Tolls in the Dallas-Fort Worth Region." Proceedings 42: Innovations in Travel Demand Modeling, Vol. 2: Papers, December 2008.
72. Kockelman, Kara and Jason Lemp. "The Financing of New Highways: Opportunities for Welfare Analysis and Credit-based Congestion Pricing." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
73. Lemp, Jason and Kara Kockelman. "Anticipating Welfare Impacts via Travel Demand Forecasting Models: Comparison of Aggregate and Activity-Based Approaches for the Austin, Texas Region." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
74. Lemp, Jason and Kara Kockelman. "Understanding and Accommodating Risk and Uncertainty in Toll Road Projects: A Review of the Literature." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.

75. Zhou, Brenda, Kara Kockelman and Jason Lemp. "Transportation and Land Use Policy Analysis using Integrated Transport and Gravity-based Land Use Models." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
76. Bomberg, Matthew, Kara Kockelman, Melissa Thompson. "GHG Emissions Control Options: Assessing Transportation & Electricity Generation Technologies & Policies to Stabilize Climate Change ." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
77. Wang, Cara and Kara Kockelman. "Forecasting Network Data: Spatial Interpolation of Traffic Counts Using Texas Data." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
78. Wang, Cara and Kara Kockelman. "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
79. Gadda, Shashank, Kara Kockelman and Paul Damien. "Continuous Departure Time Models: A Bayesian Approach." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
80. Boyles, Stephen, Kara Kockelman and S. Travis Waller. "Congestion Pricing under Operational Supply Side Uncertainty." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
81. Zhou, Brenda and Kara Kockelman. "Lessons Learned in Developing and Applying Land Use Model Systems: A Parcel-based Example." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
82. Tirumalachetty, Sumala, Kara Kockelman and Saurabh Kumar. "Microsimulation Models of Urban Regions: Anticipating Greenhouse Gas Emissions from Transport and Housing in Austin, Texas." Meeting Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
83. Tirumalachetty, Sumala and Kara Kockelman. "The Welfare Implications of Carbon Taxes and Carbon Caps: A Look at U.S. Households." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
84. Tirumalachetty, Sumala and Kara Kockelman. "Forecasting Greenhouse Gas Emissions from Urban Regions: Microsimulation of Land Use and Transport Patterns in Austin, Texas." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
85. Lemp, Jason and Kara Kockelman. "The Continuous Cross-Nested Logit Model: Formulation and Application for Departure Time Choice." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
86. Lemp, Jason and Kara Kockelman. "Empirical Investigation of the Continuous Logit for Departure Time Choice using Bayesian Methods." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
87. Xie, Chi and Kara Kockelman. "A Maximum Entropy Method for Subnetwork Origin-Destination Trip Matrix Estimation." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
88. Whitehead, Charlotte and Kara Kockelman. "Americans' Time Use: A Focus on Women and Child-Rearing via Structural Equations Modeling." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
89. McDonald- Buller, Elena, Alba Webb, Kara Kockelman and Brenda Zhou. "Air Quality Impacts of Transportation and Land Use Policies: A Case Study in Austin, Texas." Meeting Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.

OTHER CONFERENCE PROCEEDINGS – Non-Refereed Papers

(Each Proceeding is associated with a presentation. Dr. Kockelman presented all papers marked with an asterisk []. Her graduate student co-authors presented all others.)*

1. Kockelman, Kara. "Which Matters More in Mode Choice: Density or Density?" Conference Compendium for Institute of Transportation Engineers Annual Meeting, pp. 844-867, Denver, CO, 1995.*
2. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Meeting Compendium of the Eighth TRB Conference on the Application of Transportation Planning Methods, Corpus Christi, TX, April 2001.
3. Pradhan, Anant and Kara Kockelman. "Uncertainty Propagation in an Integrated Land Use-Transportation Model." Proceedings of the 9th Meeting of EURO Working Group on Transportation, Polytechnic University of Bari Department of Highways and Transportation, Bari, Italy, June 10-13, 2002.*
4. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Proceedings of the 9th Meeting of EURO Working Group on Transportation, Polytechnic University of Bari Department of Highways and Transportation, Bari, Italy, June 10-13, 2002.*
5. Ma, Jianming and Kara Kockelman. "Crash Frequency and Severity Modeling Using Clustered Data from Washington State." Proceedings of the IEEE Intelligent Transportation Systems Conference, Toronto, Canada, September 17-20, 2006.
6. Kockelman, Kara. "Credit Based Congestion Pricing: An Opportunity for Reductions in Greenhouse Gas Emissions?" Invited paper for presentation at the International Colloquium, Transports, Energie Et Gaza a Effet De Serre: Vers Un Rationnement? (Transport, Energy and Greenhouse Gases: Will Rationing be Necessary?), part of the 19th Entretiens du Centre Jacques Cartier in Lyon, France, December 4-5, 2006.*

OTHER PRESENTATIONS

(Dr. Kockelman presented all papers marked with an asterisk []. Her graduate student co-authors presented all others.)*

Conferences, Workshops & Seminars

(The following presentations are associated with research papers.)

1. Kockelman, Kara. "A Utility-Theory-Consistent System-of-Demand-Equations Approach to Household Travel Choice." Dissertation presentation at U.C. Berkeley's Institute for Transportation Studies' Seminar, Spring 1998.*
2. Jara-Díaz, Sergio R. and Kara Kockelman. "Microeconomic Perspectives on Travel Behavior and Valuation Research." Pp. 279-288, Workshop Report for the International Association of Travel Behavior Research Conference of 2000.*
3. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Western Regional Science Association's Annual Meeting, Palm Springs, CA, February 2001.*
4. Kockelman, Kara. "Student Grades and Course Evaluations in Engineering: What Makes a Difference?" Meeting Compendium, ASEE Gulf-Southwest Section Annual Conference, College Station, TX, March 29, 2001.*
5. Kockelman, Kara and Katsuhiko Nakamura. "Congestion Pricing and Roadspace Rationing: An Application to the San Francisco Bay Bridge Corridor." Meeting Compendium of the Eighth TRB Conference on the Application of Transportation Planning Methods, pp. 32-44, Corpus Christi, TX, April 2001.*
6. Jin, Ling and Kara Kockelman. "Key Concepts for a New Integrated Transport Land Use Model." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
7. Min, Yeonjoo and Kara Kockelman. "Review of Combined Input-Output and Commodity Flow Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
8. Pradhan, Anant and Kara Kockelman. "Comparison of Integrated and 'Linked' Land Use - Transportation Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.

9. Srinivasan, Siv and Kara Kockelman. "The Impacts of Bypasses on Small- and Medium-Sized Communities: An Econometric Analysis." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.*
10. Srour, Issam and Kara Kockelman. "Use of the Logit Models for Accessibility Measurements." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
11. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
12. Zhao, Yong and Kara Kockelman. "Network Equilibria: An Analysis of Existence, Uniqueness and Stability." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
13. Kockelman, Kara. "Student Grades and Course Evaluations in Engineering: What Makes a Difference?" Presented at the ASEE Annual Conference, Albuquerque, NM, June 24-27, 2001.*
14. Pradhan, Anant and Kara Kockelman. "Uncertainty Propagation in an Integrated Land Use-Transportation Model." Presented at the 48th Annual North American Meetings of the Regional Science Association International, Charleston, SC, November 15-17, 2001.*
15. Min, Yeonjoo, Kara Kockelman, Yong Zhao, and Ling Jin. "Models of Location, Trade and Travel: An Application of Random-Utility Based Interzonal Input-Output Models to Texas Counties." Presented at the 48th Annual North American Meetings of the Regional Science Association International, Charleston, SC, November 15-17, 2001.*
16. Srour, Issam and Kara Kockelman. "Accessibility Indices: A Connection to Residential Land Prices and Location Choices." Presented at the 48th Annual North American Meetings of the Regional Science Association International, Charleston, SC, November 15-17, 2001.*
17. Zhao, Yong and Kara Kockelman. "Spatial Input-Output Models: Solution Existence and Uniqueness." Presented at the 49th Annual North American RSAI Meetings, San Juan, PR, November 14-16, 2002.*
18. Jin, Ling, Kara Kockelman, and Yong Zhao. "Application of Random-Utility-Based Multizonal Input-Output Models: Production, Trade, Travel, and Location Choice in the State of Texas." Presented at the 49th Annual North American RSAI Meetings, San Juan, PR, November 14-16, 2002.*
19. Krishnamurthy, Sriram and Kara Kockelman. "Uncertainty Propagation through an Integrated Transportation-Land Use Model: Application to Austin, TX." Presented at the 49th Annual North American RSAI Meetings, San Juan, PR, November 14-16, 2002.*
20. Zhao, Yong and Kara Kockelman. "Application of and Solution Uniqueness for Random-Utility-Based Multizonal Input-Output Models: Production, Trade, Travel, and Location Choice in the State of Texas." Presented at the INFORMS Conference, San Jose, CA, November 17-20, 2002.
21. Jin, Ling, Kara Kockelman, and Yong Zhao. "Application of Random-Utility-Based Multizonal Input-Output Models: Production, Trade, Travel, and Location Choice in the State of Texas." Presented at the INFORMS Conference, San Jose, CA, November 17-20, 2002.
22. Krishnamurthy, Sriram and Kara Kockelman. "Uncertainty Propagation through an Integrated Transportation-Land Use Model: Application to Austin, TX." Presented at the INFORMS Conference, San Jose, CA, November 17-20, 2002.
23. Jin, Ling, Kara Kockelman, and Yong Zhao. "Tracking Land Use, Transport, and Industrial Production using Random-Utility Based Multizonal Input-Output Models: Applications for Texas Trade." Presented at the 99th Annual Meeting of the Assoc. of American Geographers, New Orleans, LA, March 6, 2003.*
24. Kockelman, Kara and Sukumar Kalmanje. "Credit-Based Value Pricing of Congested Roadways: Perceptions and Applications in Austin, TX." Presented at the International Symposium on the Theory and Practice of Congestion Charging, London, England, August 18-20, 2003.*
25. Ruiz-Juri, Natalia and Kara Kockelman. "Extending the Random-Utility-Based Multiregional Input-Output Model: Incorporating Land-Use Constraints, Domestic Demand and Network Congestion in a Model of Texas Trade." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.

26. Frazier, Christopher and Kara Kockelman. "Chaotic Systems Modeling: Applications for Transportation." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.
27. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: Travel Land Value & Welfare Impacts." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.
28. Frazier, Christopher and Kara Kockelman. "Cities and Satellite Imagery: Models for Regional Change." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.
29. Ruiz-Juri, Natalia and Kara Kockelman. "Extending the Random-Utility-Based Multiregional Input-Output Model: Incorporating Land-Use Constraints, Domestic Demand and Network Congestion in a Model of Texas Trade." Presented at the 50th Annual North American Meetings of the Regional Science Association, Philadelphia, PA, November 20-22, 2003.*
30. Frazier, Christopher and Kara Kockelman. "Cities and Satellite Imagery: Models for Regional Change." Presented at the 50th Annual North American Meetings of the Regional Science Association, Philadelphia, PA, November 20-22, 2003.*
31. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: The Public's Response to New Policy and Welfare." Presented at the 50th Annual North American Meetings of the Regional Science Association, Philadelphia, PA, November 20-22, 2003.*
32. Ruiz-Juri, Natalia and Kara Kockelman. "Extending the Random-Utility-Based Multiregional Input-Output Model: Incorporating Land-Use Constraints, Domestic Demand and Network Congestion in a Model of Texas Trade." Meeting Compendium of the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
33. Kockelman, Kara and Jianming Ma. "Freeway Speeds and Speed Variations preceding Crashes, within and across Lanes." Presented at the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
34. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: Travel, Land Value and Welfare Impacts." Presented at the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
35. Frazier, Christopher and Kara Kockelman. "Cities & Satellite Imagery: Models for Regional Change." Presented at the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
36. Zhao, Yong and Kara Kockelman. "On-Line Marginal-Cost Pricing across Networks: Incorporating Heterogeneous Users and Stochastic Equilibria." Presented at the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
37. Podgorski, Kaethe, Kara Kockelman, and Sukumar Kalmanje. "Survey Work for Assessing New Policies: Identifying Public Response to and Preferences for Variations on Toll Roads and Congestion Pricing." Presented at the ISCTSC Triennial International Conference on Transport Survey Methods, Costa Rica, August 1-6, 2004.
38. Frazier, Christopher and Kara Kockelman. "Spatial Econometric Models for Panel Satellite Data: New Methods for Application." Presented at the 51st Annual North American Meetings of the Regional Science Association, Seattle, WA, November 11-13, 2004.*
39. Gupta, Surabhi, Sukumar Kalmanje and Kara Kockelman. "Road Pricing Simulations for Austin: Traffic, Land Use and Welfare Impacts." Presented at the 51st Annual North American Meetings of the Regional Science Association, Seattle, WA, November 11-13, 2004.*
40. Ruiz Juri, Natalia and Kara Kockelman. "Evaluation of the TransTexas Corridor Plan: Application of a Random-Utility-Based Multiregional Input-Output Model." Presented at the 51st Annual North American Meetings of the Regional Science Association, Seattle, WA, November 11-13, 2004.*
41. Kockelman, Kara. "Credit-Based Congestion Pricing: Policy, Perception & Prediction." PROCESSUS Second International Colloquium on the Behavioral Foundations of Integrated Land-use and Transportation Models: Frameworks, Models and Applications, University of Toronto. Toronto, Ontario, Canada, June 10, 2005.*

42. Ma, Jianming, Kara Kockelman and Paul Damien. "Simultaneously Modeling Crash Frequencies by Severity using Bayesian Multivariate Poisson Models." Presented at the INFORMS Conference, San Francisco, CA, November 13-16, 2005.
43. Zhou, Bin (Brenda), and Kara Kockelman. "Neighborhood impacts on land use change: a multinomial logit model of spatial relationships." Presented at the 52nd Annual North American Meeting of the Regional Science Association International, Las Vegas, NV, November 2005.
44. Bina, Michelle, Valdemar Warburg, and Kara Kockelman. "Location Choice vis-à-vis Transportation: The Case of Apartment Dwellers." Presented at the 52nd Annual North American Meeting of the Regional Science Association International, Las Vegas, NV, November 2005. *
45. Bina, Michelle, Kara Kockelman and David Suescun. "Location Choice vis-à-vis Transportation: The Case of Recent Home Buyers." Presented at the 52nd Annual North American Meeting of the Regional Science Association International, Las Vegas, NV, November 2005. *
46. Wang, Xiaokun and Kara Kockelman. "Tracking Land Cover Change in a Mixed Logit Model: Recognizing Temporal and Spatial Effects." Presented at the 52nd Annual North American Meeting of the Regional Science Association International, Las Vegas, November 2005.
47. Stephen Boyles, Satish Ukkusuri, S Travis Waller, and Kara Kockelman. "A Comparison of Static and Dynamic Traffic Assignment under Tolls in the Dallas-Fort Worth Region." Presented at the Transportation Research Board Specialty Conference: Innovations in Travel Modeling, Austin, TX, May 2006.
48. Bina, Michelle and Kara Kockelman. "Location Choice vis-a-vis Transportation: The Case of Recent Home Buyers and Apartment Dwellers." Presented at the International Association of Travel Behavior Research Conference, Kyoto, Japan, August 16-20, 2006.*
49. "Credit-Based Congestion Pricing: Perception & Prediction." Presented at the 2006 Association of Collegiate Schools of Planning Conference, Fort Worth, TX, November 9-11, 2006.*
50. Wang, Xiaokun and Kara Kockelman. "Specification and Estimation of a Spatially and Temporally Autocorrelated Seemingly Unrelated Regression Model: Application to Crash Rates in China." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.
51. Lemp, Jason, Brenda Zhou, Kara Kockelman, and Barbara Parmenter. "Visioning vs. Modeling: Analyzing the Land Use-Transportation Futures of Urban Regions." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.
52. Huang, Tian and Kara Kockelman. "The Introduction of Dynamic Features in a Random-Utility-Based Multiregional Input-Output Model of Trade, Production, and Location Choice." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.*
53. Zhou, Brenda and Kara Kockelman. "Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.
54. Wang, Xiaokun and Kara Kockelman. "Maximum Simulated Likelihood Estimation with Correlated Observations: A Comparison of Simulation Techniques." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.
55. Zhou, Brenda and Kara Kockelman. "Microsimulation of Home Choices for Residential Market Equilibrium." Presented at the 53rd Annual North American Meeting of the Regional Science Association International, Toronto, Canada, November 2006.
56. Wang, Xiaokun and Kara Kockelman. "Capturing Patterns of Spatial and Temporal Autocorrelation in Ordered Response Data, Using a Bayesian Approach: A Case Study of Land Use Changes in Austin, TX." Presented at the 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA, November 2007.

57. Zhou, Brenda and Kara Kockelman. "Microsimulation of Residential Land Development and Household Location Choices: Bidding for Land in Austin, TX." Presented at the 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA, November 2007.
58. Zhou, Brenda and Kara Kockelman. "Self-Selection in Home Choice: Use of Treatment Effects in Evaluating the Relationship Between the Build Environment and Travel Behavior." Presented at the 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA, November 2007.
59. Kumar, Saurabh and Kara Kockelman. "Tracking the Size, Location and Interactions of Businesses: Microsimulation of Firm Behavior in Austin, TX." Presented at the 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA, November 2007.*
60. Duthie, Jennifer, Kara Kockelman, Varunraj Valsaraj and Brenda Zhou. "Integrated Models of Land Use and Transport: The Results of ITLUP and UrbanSim in Austin, TX." Presented at the 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA, November 2007.*
61. Stopher, Peter R, Kara Kockelman, Stephen Greaves and Eoin Clifford. "Sample Sizes and Sampling Issues for Multi-day Household Travel Surveys." Presented at the 8th International Conference on Survey Methods in Transport: Harmonization and Data Comparability, Annecy, France in May 25-31, 2008.
62. Wang, Xiaokun Cara and Kara Kockelman. "Forecasting Network Data: Spatial Interpolation of Traffic Counts Using Texas Data." Presented at the 55th Annual North American Meeting of the Regional Science Association International, Brooklyn, NY, November 2008.
63. Kakaraparthi, Siva K., Kara Kockelman. "An Application of UrbanSim to the Austin, Texas Region: Integrated-Model Forecasts for the Year 2030." Presented at the 55th Annual North American Meeting of the Regional Science Association International, Brooklyn, NY, November 2008.*
64. Zhou, Brenda, Kara Kockelman and Jason Lemp. "Transportation and Land Use Policy Analysis Using Integrated Transport and Gravity-Based Land Use Models." Presented at the 55th Annual North American Meeting of the Regional Science Association International, Brooklyn, NY, November 2008.
65. Zhou, Brenda and Kara Kockelman. "Lessons Learned in Developing and Applying Land Use Model Systems: A Parcel-based Example." Presented at the 55th Annual North American Meeting of the Regional Science Association International, Brooklyn, NY, November 2008.
66. Duthie, Jennifer, Avinash Voruganti, Kara Kockelman and S. Travis Waller. "Uncertainty Analysis and its Impacts on Decision-Making in an Integrated Transportation and Gravity-based Land Use Model." Presented at the 55th Annual North American Meeting of the Regional Science Association International, Brooklyn, NY, November 2008. *
67. Kockelman, Kara, Melissa Thompson and Charlotte Whitehead. "Americans' Travel Choices and their Relative Contributions to Climate Change: What Near-Term Behavioral Shifts Will Buy Us and Opportunities for Meeting Carbon Targets." Presented at the 48th Southern Regional Science Association Annual Meeting, San Antonio, TX, March 27, 2009.
68. Kakaraparthi, Siva and Kara Kockelman. "Forecasting Land Use & Transport through 2030 Using UrbanSim: A Case Study of Austin, Texas." Presented at the 48th Southern Regional Science Association Annual Meeting, San Antonio, TX, March 27, 2009.
69. Musti, Sashank, Katherine Kortum and Kara Kockelman. "Survey and Analysis of Household Energy Consumption & Carbon Footprints: Opportunities for Behavioral Changes." Presented at the TRB 12th Conference on Transportation Planning Applications (and nominated as a "best paper" by the Transportation Planning Applications Committee ABD50), Houston, TX, May 2009.
70. Wang, Xiaokun (Cara) and Kara Kockelman. "Forecasting Network Data: Spatial Interpolation of Traffic Counts using Texas Data." Presented at the 2009 ASCE International Workshop on Computing in Civil Engineering, Austin, TX, June 2009.*

71. Tirumalachetty, Sumala, Kara Kockelman and Saurabh Kumar. "Estimation of Greenhouse Gas Emissions Using Microsimulation Models: the Case of Austin, Texas." Presented at the 2009 ASCE International Workshop on Computing in Civil Engineering, Austin, TX, June 2009.
72. Tirumalachetty, Sumala, and Kara Kockelman. The Welfare Implications of Carbon Taxes and Carbon Caps: A Look at U.S. Households." Presented at the 56th Annual North American Meeting of the Regional Science Association International, San Francisco, CA, November 2009.*
73. Zhou, Brenda and Kara Kockelman. "Land Use Change through Microsimulation of Market Dynamics: An Agent-based Model of Land Development and Locator Bidding in Austin, Texas." Presented at the 56th Annual North American Meeting of the Regional Science Association International, San Francisco, CA, November 2009.*
74. Tirumalachetty, Sumala and Kara Kockelman. "Forecasting Greenhouse Gas Emissions from Urban Regions: Microsimulation of Land Use and Transport Patterns in Austin, Texas." Presented at the 56th Annual North American Meeting of the Regional Science Association International, San Francisco, CA, November 2009.*

Other Presentations of Research

1. "Uncovering the Hidden Costs of Light-Duty Trucks." Engineering Faculty Advisory Committee, Semiannual Meeting, September 1999. *
2. "Research on Relationships Between Transportation Infrastructure and Increases in Vehicle Miles Traveled." EPA- Sponsored Workshop on Induced Traffic Research, Berkeley, CA, June 8-9, 2000. (Presented by graduate student Brian tenSiethoff.)
3. "Overview of Recent Research: Road Pricing, Integrated Models, Econometrics, and Uncertainty." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, University of Texas, Austin, TX, July 27, 2000.*
4. "Modeling Traffic's Flow-Density Relation: Accommodation of Multiple Flow Regimes and Traveler Types." University of Texas Operations Research/Industrial Engineering Seminar Series, October 13, 2000.*
5. "Investigation of the Impact of Frontage Roads as an Element of Controlled Access Facilities." Texas DOT Research Management Committee Meeting, Corpus Christi, TX, November 8, 2000.*
6. "The Qualities and Benefits of Teamwork." Presentation to the Senior Engineering Honors Seminar, College of Engineering, University of Texas at Austin, February 10, 2001.*
7. "Modeling Traffic's Flow-Density Relation: Accommodation of Multiple Flow Regimes and Traveler Types." Texas A&M University, College Station, TX, Institute of Transportation Engineers Student Section Seminar Series, March 28, 2001.*
8. "The Integrated Modeling of Land Use-Transport Systems." Presentation to City College of New York, May 29, 2001.*
9. "Sidewalk Cross-Slopes and the ADA." Presentation to the TxDOT Research Management Committee meeting, Arlington, TX, June 2001.*
10. "The Integrated Modeling of Land Use Transport Systems." Presentation at USIT Seminar Series, College of Engineering, University of Texas at Austin, Austin, TX, July 5, 2001.*
11. "The Integrated Modeling of Land Use Transport Systems." Presentation to University of California at Berkeley's Institute of Transportation Studies, Berkeley, CA, September 28, 2001.*
12. "What to Do After Engineering Graduation?" Presentation to students of Chi Epsilon, ASCE, & SWE at University of California, Berkeley, CA, September 28, 2001.*
13. "Investigation of the Impact of Frontage Roads: A Final Research Report." Texas DOT Research Management Committee Meeting, San Antonio, TX, November 7, 2001.*
14. "Models of Location, Trade, and Travel: An Application of Random-Utility-Based Interzonal Input-Output Models." Presented at the Bureau of Transportation Statistics, Washington, DC, December 11, 2001.*
15. "Uncertainty Propagation in four-step and Integrated Land Use-Transportation Models." Presented to the Bureau of Transportation Statistics, Washington, DC, December 11, 2001.*

16. "Overall Injury Risk to Different Drivers: Combining Exposure, Frequency, and Severity Models." Presentation at The University of Illinois, Urbana, IL, March 12, 2002.*
17. "Models of Location, Trade, and Travel: Random Utility-Based Multi-Zonal Input Output Modeling." Presentation at Northwestern University's Transportation Center, Evanston, IL, March 14, 2002.*
18. "Models of Location, Trade and Travel: Random-Utility-Based Multi-Zonal Input-Output Modeling." Presentation given at The University of Maryland, College Park, MD, April 22, 2002.*
19. "Accessibility Indices: A Connection to Residential Land Prices and Location Choices." Presented at IVT, ETH University - Honggerberg, Zurich, Switzerland, May 31, 2002.*
20. "Frontage Roads: An Assessment of Legal Issues, Design Decisions, Costs, Operations and Land-Development Differences." Presented at the 5th National Conference on Access Management Meeting, Austin, TX, June 23-26, 2002.*
21. "Modeling Urban Futures of Land Use-Transport Systems." Presentation to USIT Seminar Series, University of Texas at Austin, Austin, TX, June 27, 2002.*
22. "The Integrated Modeling of Land Use-Transport Systems." Presentation to Ford Motor Company, Dearborn, MI, July 25, 2002.*
23. Presented research on Credit-Based Congestion Pricing to the Capitol Area Metropolitan Planning Organization (CAMPO), Austin, TX, January 31, 2003.*
24. Presented research on Credit-Based Congestion Pricing to the North Central Texas Council of Governments (NCTCOG) and to TxDOT district engineers, Dallas, TX, March 10, 2003.*
25. "Improving Teaching under a Heavy Research Load." U.T. College of Engineering's New Faculty Seminar, April 16, 2003.*
26. "Modeling Urban Features of Land-Use Transport Systems." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, The University of Texas, Austin, TX, June 18, 2003.*
27. "Congestion Fundamentals: Supply & Demand, Metrics & Solutions." at the USDOT-UCLA Tackling Traffic Congestion: Issues and Options Symposium, Washington, DC, June 26-27, 2003 (presentation done by substitute presenter).
28. "Integrated Modeling of Austin's Land-Use & Transportation Systems: Applications for Informed Policy Making." Colloquium Seminar Series, The University of Texas Department of Geography, Austin, TX, September 19, 2003.*
29. "Use of TransCAD for Travel Demand Model Applications of Credit-Based Congestion Pricing in the Austin & Dallas-Ft. Worth Regions." presented to graduate student researchers and representatives of the North Central Texas Council of Governments, Austin, TX, January 28, 2004.*
30. "Public Perceptions of Toll Roads: an Interim Report." Texas DOT Research Management Committee Meeting, Austin, TX, June 9, 2004.*
31. "Modeling Urban Features of Land-Use Transport Systems." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, The University of Texas, Austin, TX, June 30, 2004.*
32. "Occupant Injury Severity Using a Heteroscedastic Ordered Logit Model: Distinguishing the Effects of Vehicle Weight and Type." Presented in the poster session of Corridor Partnerships, CTR Symposium, Austin, TX, April 6, 2005.
33. "Credit-Based Congestion Pricing: Expert Expectations and Guidelines for Application." Presented in the poster session of Corridor Partnerships, CTR Symposium, Austin, TX, April 6, 2005.
34. "Evaluation of the Trans-Texas Corridor Proposal: Application and Enhancements of the Random-Utility-Based Multiregional Input-Output Model." Presented in the poster session of Corridor Partnerships, CTR Symposium, Austin, TX, April 6, 2005.
35. "Credit-Based Congestion Pricing: Policy, Perception & Prediction." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, The University of Texas, Austin, TX, July 13, 2005.*
36. "Potential Land Use Effects of the Trans-Texas Corridor." Texas DOT Research Management Committee Meeting, Austin, TX, June 6, 2005.*

37. "Location Choice vis-à-vis Transportation: The Case of Apartment Dwellers." Presented in the poster session of Navigating Costs, CTR Symposium, Austin, TX, April 4, 2006.
38. "Public Perceptions of Pricing Existing Roads and Other Transportation Policies: The Texas Perspective." Presented in the poster session of Navigating Costs, CTR Symposium, Austin, TX, April 4, 2006.
39. "Household location choices: Who Lives Where & Why? And What's the Connection to Transportation?" Undergraduate Summer Internship in Transportation (USIT) Seminar Series, University of Texas, Austin, TX, July 26, 2006.*
40. "Specification and Estimation of a Spatially and Temporally Autocorrelated Seemingly Unrelated Regression Model: Application to Crash Rates in China." Presented in the poster session of Smart Highways, CTR Symposium, Austin, TX, April, 2007.
41. Video-conference presentation (titled "Taming the Traffic Monster") to Turkish authorities and transportation experts at the U.S. Embassy in Ankara, on the topic "Traffic Safety" in connection with UN Road Safety Week, April 26, 2007.*
42. "To LDT or Not to LDT: The Relative Cost of Cars and Light-duty Trucks." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, The University of Texas, Austin, TX, June 6, 2007.*
43. "GHG Emissions Control Options: Opportunities for Conservation." Presentation of commissioned paper to The National Academy of Sciences' Committee for the Study of the Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy, December 12, 2007, Irvine, CA.*
44. "Critical Elements of a High-Quality Research Paper." Invited presentation for workshop session sponsored by TRB's Statistical Methodology and Statistical Computer Software in Transportation Research Committee (ABJ80) during the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.*
45. "Saving Money through Research: The Case of Right-of-Way Cost Estimation." Invited presentation to industry and state officials at the Center for Transportation Research's Annual Symposium, Austin, TX, April 2, 2008.*
46. "GHG Emissions Control Options: Opportunities for Conservation." Presentation of commissioned paper to The National Academy of Sciences' Committee for the Study of the Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy, Portland, Oregon, May 8, 2008.*
47. "To LDT or Not to LDT: The Relative Cost of Cars and Light-duty Trucks." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, University of Texas, Austin, TX, June 11, 2008.*
48. Energy & Transport: Opportunities for Collaborative Research." Presentation of strategies to support CSoE's Strategic Planning, given to Mechanical Engineering faculty at Faculty Retreat, University of Texas, Austin, May 11, 2009.*
49. "To LDT or Not to LDT: The Relative Cost of Cars and Light-duty Trucks." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, University of Texas, Austin, TX, May 27, 2009.*
50. "Strategies for Tackling Energy Security & Climate Change Issues: Evolving Roles for Engineering Expertise." U.T. Engineering Honors Council's Fireside Chat, November 4, 2009.*

Community Outreach/Education

51. "To SUV or Not to SUV, That is the Question." University of Texas Interactive, Austin, TX, March 1999.*
52. "Designing Away Death." The University of Texas Minority Introduction to Transportation Engineering, (MITE), Austin, TX, June 1999.*
53. "Designing Away Death." The University of Texas Honors Colloquium, Austin, TX, June 1999.*
54. "Mitigating Traffic Impacts through Urban Form, Vehicle Regulation, and Models of Traffic Flow." U.T. Update for Texas Exes, The University of Texas, Austin, TX, June 1999.*
55. "Working Women in Today's Society: A Personal Look at Women in Non-Traditional Fields." Panel Member. The University of Texas, October 30, 2000.*

56. "Driving Dangerously: Roadway Design & Crash Consequences." Presented to general public attending Explore U.T. Open House, March 3, 2001.*
57. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, March 24, 2001.*
58. "Designing Away Death." Women in Engineering at U.T. (WE@U.T.) program for female high school honors students, University of Texas Campus, Austin, TX, August 2001.*
59. "To SUV or Not to SUV: That is the Question." Presented to Austin's Professional Society for Women Engineers (SWE). Austin, TX, September 19, 2001.*
60. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, February 23, 2002.*
61. "To SUV or Not to SUV: That is the Question." Presentation to U.T. LAMP (Learning Activities for Mature People) Association, University of Texas Campus, Austin, TX, April 24, 2002.*
62. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, February 22, 2003.*
63. "Congestion 101: Transportation Supply, Demand, and Solutions." Presented to general public attending Explore U.T. Open House, March 1, 2003.*
64. Presentation relating to Travel Demand Models & Air Quality at ECT-Liveable City-CAMPO (Capital Area Metropolitan Planning Organization Meeting, Austin, TX, November 3, 2005.*
65. Gas Price Survey results with student Matthew Bomberg was mentioned in Capital Area MPO's Agenda Item 7, "Presentation on peaking of oil, gasoline prices, the effect on transportation and MPO responsibilities," Austin, TX, September 11, 2006.*
66. Invited presentation of current research modeling efforts for Senator Kirk Watson's Mobility Financing Task Force Group Meeting, Austin, TX, February, 23, 2007.*
67. "To LDT or Not to LDT: The Relative Cost of Cars and Light-Duty Trucks." Presented to general public attending Explore U.T. Open House, Austin, TX, March 3, 2007.
68. "An Inconvenient Truth." Led discussion of Al Gore's book at the U.T. Freshman Reading Round-Up, on August 28, 2007.*
69. "Credit-Based Congestion Pricing: An Equitable Solution to Congestion." Invited presentation before the City of Austin's Urban Transportation Commission at City Hall, Austin, TX, December 11, 2007.*
70. "Addressing Spatial Autocorrelation in Land Use and Transport Data: New Opportunities for Forecasting." Invited Seminar presentation before graduate students in U.T.'s Operations Research area, University of Texas campus, Austin, TX, April 11, 2008.*
71. "Forecasting the Future: Using Math and Science to Construct a Crystal Ball for Cities." Invited presentation before 4th-6th graders as part of the Summer Institute for the Gifted course titled "Future City Design" held on the UT campus, July 18, 2008.
72. "An Inconvenient Truth." Led discussion of Al Gore's book at the U.T. Freshman Reading Round-Up, on August 26, 2008.*
73. "Successful female leaders and role models." Invited panel presentation to 6th, 7th and 8th grade girls (ages 10 through 13) at the Ann Richards School, Austin, TX, May 15, 2009.*
74. "An Inconvenient Truth." Led discussion of Al Gore's book at the U.T. Freshman Reading Round-Up, August 25, 2009.*
75. Two-weeks of meetings with transportation policymakers and policy experts in Washington, D.C., October 1-15, 2009.*

TECHNICAL REPORTS

1. Kara Kockelman, Yong Zhao, and Chessalay Blanchard-Zimmerman, "Methods for Meeting the Intent of the ADA in Sidewalk Cross-Slope Design." Research Report No. 4933-S (also containing 4933-1), Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, January 2000.

2. Chandra Bhat, Susan Handy, Kara Kockelman, Hani S. Mahmassani, Qinglin Chen, and Lisa Weston, "Urban Accessibility Index – Literature Review." Research Report No. 4938-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, May 2000.
3. Kara Kockelman, Aaron Overman, Marwan Madi, Jenny Peterman, Randy B. Machemehl, and Susan Handy, "Frontage Roads in Texas: Legal Issues, Operational Issues, and Land Use Distinctions." Research Report No. 1873-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2000.
4. Chandra Bhat, Susan Handy, Kara Kockelman, Hani S. Mahmassani, Qinglin Chen, and Lisa Weston. "Accessibility Measures: Formulation Considerations and Current Applications." Research Report No. 4938-2, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, September 2000.
5. Yong Zhao and Kara Kockelman, SWUTC/00/167804-1, "The Propagation of Uncertainty Through Travel Demand Models." The University of Texas at Austin, TX, October 2000.
6. Kara Kockelman, Brian ten Siethoff, C. Michael Walton, and Hani Mahmassani. "Research on Relationships Between Transportation Infrastructure and Increases in Vehicle Miles Traveled." Environmental Protection Agency, 2001.
7. Kara Kockelman, Siva Srinivasan, and Susan Handy. CTR Report 1843-2, "Economic Effects of Highway Relief Routes on Small- and Medium-Size Communities: An Econometric Analysis." Center for Transportation Research, The University of Texas at Austin, Austin, TX, May 2001.
8. Chandra Bhat, Susan Handy, Kara Kockelman, Hani Mahmassani, Qinglin Chen, Issam Srour, and Lisa Weston, "Assessment of Accessibility Measures." CTR Report 4938-3, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2001.
9. Kara Kockelman, Randy Machemehl, Aaron Overman, Marwan Madi, Jacob Sesker, Jenny Peterman, and Susan Handy. "Frontage Roads in Texas: Legal Issues, Operational Issues and Land Use Distinctions." Research Report 0-1873-S, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2001.
10. Kara M. Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities." Research Project 0-4171-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2001.
11. Susan Handy, Kara Kockelman, Scott Kubly, Siva Srinivasan, James Jarrett, Michael Oden and Hani Mahmassani. "The Impacts of Highway Relief Routes on Small Towns in Texas." Research Report 1843-S, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2001.
12. Kara M. Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. CTR Report 0-4171-S, "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities- A Summary." Center for Transportation Research, The University of Texas at Austin, Austin TX, October 2001.
13. Kara M. Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. CTR Report 0-4171-2. "Sample Size Expansion of Sidewalk Cross Slope Variability with Respect to the Americans with Disabilities Act Accessibility Guidelines." Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2001.
14. Kara M. Kockelman, Randy Machemehl, Aaron Overman, Marwan Madi, Jacob Sesker, Jean (Jenny) Peterman, and Susan Handy. CTR Report 0-1873-2, "Frontage Roads in Texas: A Comprehensive Assessment." Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2001.
15. Susan Handy, Bob Paterson, Chandra Bhat, Kara Kockelman, Jumin Song, Jayanthi Rajamani, and Juchul Jung. CTR Report 0-4420-1, Research Report-I, "Techniques for Mitigating Urban Sprawl." Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2002.

16. Anant Pradhan and Kara Kockelman. SWUTC/02/167223-1, "Uncertainty in Integrated Land Use-Transport Models." Center for Transportation Research, The University of Texas at Austin, Austin, TX, September 2002.
17. Sriram Krishnamurthy and Kara Kockelman. SWUTC/02/167523-1, "Uncertainty in Integrated Land Use-Transport Models: Simulation and Propagation." Center for Transportation Research, The University of Texas at Austin, Austin, TX, September 2002.
18. Chandra Bhat, Susan Handy, Kara Kockelman, Hani Mahmassani, Anand Gopal, Issam Srour, and Lisa Weston. "Development of an Urban Accessibility Index: Formulations, Aggregation, and Application." CTR Research Report #0- 4938-4, prepared for the Texas Department of Transportation, October 2002.
19. Robert Paterson, Susan Handy, Kara Kockelman, Chandra Bhat, Jumin Song, Jayanthi Rajamani, Juchul Jung, Kari Banta, Urvi Desai, and John Waleski. "Techniques for Mitigating Urban Sprawl." Research Report 0-4420-2, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, September 2003.
20. Sukumar Kalmanje and Kara Kockelman. SWUTC/03/167822-1, "Credit-Based Congestion Pricing: A Policy Proposal and the Public's Response." Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2003.
21. Surabhi Gupta, Sukumar Kalmanje, and Kara Kockelman. SWUTC/04/167242-1, "Road Pricing Simulations: Traffic, Land Use and Welfare Impacts." Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2003.
22. Sukumar Kalmanje and Kara Kockelman. SWUTC/03/167822-2, "Credit-Based Congestion Pricing: Travel, Land Values and Welfare Impacts." Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2003.
23. Kara Kockelman, W. Curtis Bouldin, Shadi Hakimi, and Randy Machemehl. "Freeway Design Decisions for Revised Frontage Road Policy: Final Project Report." Research Report 5-1873-01-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, January 2004.
24. Khali R. Persad, Saurabh Bansal, Sukumar Kalmanje, Pradeep Gulipalli, and Kara Kockelman. (2004) "Impacts of Toll Projects and Methodology for Candidate Evaluation." Research Report 0-4637-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX. (Not finalized for public distribution, due to policy controversies.)
25. Kara M. Kockelman, Jared D. Heiner, Shadi Hakimi, and James Jarrett. "Right-of-Way Costs and Property Values: Estimating the Costs of Texas Takings and Commercial Property Sales Data." Research Report 0-4079-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2004.
26. Kara Kockelman, Travis Waller, Pradeep Gulipalli, Sukumar Kalmanje, Ampol Karoonsoontawong, and Satish Ukkusuri. "Application of Credit-Based Congestion Pricing in Texas: Operational Considerations and Impacts." Research Report 0-4634- 1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2005.
27. Kara Kockelman, Khali Persad, Travis Waller, Sukumar Kalmanje, Satish Ukkusuri, Stephen Boyles, Pradeep Gulipalli, and Saurabh Bansal. (2005) "Toll Road Project Selection and Evaluation of Impacts." Research Report 0-4637-2, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX. (Not finalized for public distribution, due to policy controversies.)
28. Kara Kockelman, Kaethe Podgorski, and Michelle Bina. (2005) "Public Perceptions of Pricing Existing Roads and Other Transportation Policies: The Texas Perspective." Research Report 0-4817-1 and -2, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX. (Not finalized for public distribution, due to policy controversies.)
29. Kara Kockelman and Jianming Ma. "Rural Two-Lane Roadway Crash Analysis." Research Report 0-4965, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, March 2006. (Not available for public distribution, due to reliance on past data. CRIS data were to be used, but did not become available during the project period.)

30. Kara Kockelman, Jon Bottom, Young-Jun Kweon, Jianming Ma, and Xiaokun Wang. "Safety Impacts and Other Implications of Raised Speed Limits on High-Speed Roads." NCHRP Project #17-23, The University of Texas at Austin and Charles River & Associates, NCHRP Research Results Digest 303 and available on-line at http://www.ce.utexas.edu/prof/kockelman/public_html/NCHRPSpeedLimits17-23.pdf, April 2006.
31. Michelle Bina and Kara Kockelman. SWUTC/06/167552-1, "Household Location Choices: The Case of Homebuyers and Apartment Dwellers in Austin, Texas." Center for Transportation Research, The University of Texas at Austin, Austin, TX, April 2006.
32. Kara Kockelman, Carlos Caldas, Zhanmin Zhang, Lu Gao, and Raquel Escatel. "Estimating the Cost of Right-of-Way Acquisitions Along Texas Corridors." Research Report 5-4079-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2006.
33. Kara Kockelman, Carlos Caldas, Zhanmin Zhang, Raquel Escatel, and Lu Gao. "Right-of-Way Cost Estimating Tool User Manual." Research Report 5-4079-01-P1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2006.
34. Carlos Caldas, Zhanmin Zhang, Kara Kockelman, Khali Persad, Eugene Chung, and Doris Medina. "TxDOT Guidebook for Right-of-Way Valuations and Negotiations." Research Report 0-5379-P2, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2006.
35. Carlos Caldas, Zhanmin Zhang, Kara Kockelman, Khali Persad, Doris Medina, and Eugene Chung. "Synthesis of Best Practices in Right-of-Way Valuations and Negotiations." Research Report 0-5379-P1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, August 2006.
36. Alba Webb, Jarett Spinhirne, Shashank Gadda, Yosuke Kimura, Laura Gonzales, Cyril Durenberger, Gary McGaughy, Sonia Uribe, Kara Kockelman, Elena McDonald-Buller, and David Allen. "Evaluation of Emission Control Strategies for the 8-Hour Ozone Standard in the Houston and Dallas Areas and a Pilot-Scale Study of In-Use Emissions from Heavy-Duty diesel Dump Trucks using a Portable Emissions monitoring System (PEMS)." Research Report 0-5191-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2006.
37. Carlos Caldas, Zhanmin Zhang, Kara Kockelman, Khali Persad, Doris Medina, and Eugene Chung. "Best Practices in Right-of-Way Valuations and Negotiations Report." Research Report 0-5379-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, January 2007.
38. Saurabh Kumar and Kara Kockelman. SWUTC/2007/167262-1, "Microsimulation of Household and Firm Behaviors: Coupled Models of Land Use and Travel Demand in Austin, Texas." Center for Transportation Research, The University of Texas at Austin, Austin, TX, December 2007.
39. Kara Kockelman, Jennifer Duthie, Siva Karthik Kakaraparathi, Bin (Brenda) Zhou, Ardeshir Anjomani, Sruti Marepally. "An Examination of Land Use Models, Emphasizing UrbanSim, TELUM, and Suitability Analysis." Research Report 0-5667-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2008.
40. S. Travis Waller, Kara Kockelman, Dazhi Sun, Stephen Boyles, Dung-Ying Lin, ManWo Ng, Saamiya Seraj, Mohamad Tassabehji, Varunraj Valsaraj and Xiaokun Wang. "Archiving, Sharing, and Quantifying Reliability of Traffic Data." Research Report 0-5686-1, Texas Department of Transportation, Center for Transportation Research, The University of Texas at Austin, Austin, TX, October 2008.
41. Peter, Vovsha, Kara Kockelman, Robert Donnelly, Ken Small, Thomas Adler, Mark Bradley and Hani Mahmassani. National Cooperative Highway Research Program (NCHRP) Project HR 08-57, "Improved Framework and Tools for Highway Pricing Decisions." Interim Report Volume 1: Decision-Making Framework for Highway Pricing and Volume 2: Travel Demand Forecasting Tools for Pricing Projects. PB and Teammates, December 2008.
42. Alba Webb, Jihee Song, David Allen, Elena McDonald-Buller, Brenda Zhou, Shashank Gadda, Jason Lemp, Sumala Tirumalachetty, Kara Kockelman and Barbara Parmenter. "Predicting the Relative

Impacts of Urban Development Policies and On-Road Vehicle Technologies on Air Quality in the United States: Modeling and Analysis of a Case Study in Austin, Texas.”

Final Report, EPA Project RD-831183901, December 2008.

43. Sumala Tirumalachetty and Kara Kockelman. SWUTC/2009/167272-1, “Microsimulation of Household and Firm Behaviors: Anticipation of Greenhouse Gas Emissions for Austin, Texas.” Center for Transportation Research, The University of Texas at Austin, Austin, TX, December 2009.
44. Kara Kockelman, Matthew Bomberg, Melissa Thompson and Charlotte Whitehead. “GHG Emissions Control Options: Opportunities for Conservation.” Report commissioned by the National Academy of Science’s Committee for the Study on the Relationships among Development Patterns, VMT, and Energy Conservation. June 2009.
45. Jose A. Gomez-Ibanez et al., “Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO₂ Emissions.” Report of the National Research Council of the National Academies, findings of the Committee for the Study on the Relationships Among Development Patterns, Vehicle Miles Travels and Energy Consumption, Transportation Reserach Board. August 2009.

UNPUBLISHED MANUSCRIPTS

1. Kockelman, Kara M. “A Utility-Theory-Consistent System-of-Demand-Equations Approach to Household Travel Choice.” Dissertation, Department of Civil and Environmental Engineering, The University of California, Berkeley, August 1998. (As noted earlier, a short form of this dissertation was published in *Transportation Research Part B*.)
2. Reckinger, Jamie, Michael Bomba, and Kara Kockelman. “Difficulties of Beyond Long-Range Planning for Transportation Projects: Case of the Trans-Texas Corridor.” 2004.
3. Reckinger, Jamie, and Kara Kockelman. “Assessing Demand for the Trans-Texas Corridor: Analysis of the National Household Travel Survey’s Long-Distance Travel Data.” 2005.
4. Kockelman, Kara, Jamie Reckinger, Michael Bomba, Natalia Ruiz-Juri, and Shadi Hakimi. “Potential Impacts of the Trans-Texas Corridor on Land Use, Travel Patterns, and the Growth of Population and Employment.” August 2005.
5. Bomberg, Matthew and Kara Kockelman. “Traveler Response to the 2005 Gas Price Spike.” 2007.
6. Duthie, Jennifer, Kara Kockelman, Varunraj Valsaraj and Brenda Zhou. “Integrated Models of Land Use and Transport: The Results of ITLUP and UrbanSim in Austin, Texas.” 2007. Gadda, Shashank, Kara Kockelman and Atul Magoon. “Estimates of AADT: Quantifying the Uncertainty.” 2007.

RESEARCH GRANTS AND CONTRACTS

Co-Investigators	Title	Agency	Grant Total (Kockelman’s share)	Grant Period
1. (None)*	Light-Duty-Truck Accident and Use Modeling	College of Engineering	Student TA Costs	9/1/98 – 8/31/01
2. Dean Taylor (during first 4 months of project)*	Sidewalk Slope Variability with Respect to the ADA Accessibility Guidelines	Texas DOT	\$100,213 (\$100K)	11/13/98 – 8/31/99
3. Hani Mahmassani, Michael Walton	Research on Relationships between Transportation Infrastructure and Increases in Vehicle Miles Traveled	U.S. EPA	\$120,000 (\$100K)	6/1/99 – 5/31/01

4. (None)*	The Propagation of Uncertainty in Multi-Stage Transport Demand Models	SWUTC	\$ 32,000 (\$32K)	9/1/99 – 8/31/00
5. Randy Machemehl, Susan Handy*	Investigation of the Impact of Frontage Roads as an Element of Controlled Access Facilities	Texas DOT	\$176,770 (\$120K)	9/1/99 – 8/31/01
6. Susan Handy	Investigate the Economic Impacts of Highway Relief Routes on Small and Medium Size Communities	Texas DOT	\$150,000 (\$50K)	9/1/99 – 8/31/01
7. Chandra Bhat, Susan Handy, & Hani Mahmassani	Development of an Urban Accessibility Index	Texas DOT	\$181,000 (\$40K)	9/1/99 – 8/31/02
8. (None)*	Engineering Student Grades and Course Evaluations	College of Engineering	Student TA Costs	1/1/00 – 8/31/02
9. (None)*	Uncertainty in Integrated Land Use-Transport Models	SWUTC	\$ 24,000 (\$24K)	9/1/00 – 8/31/01
10-12. (None)*	Towards Behaviorally Consistent Integrated Transport Land Use Models, In Support of Infrastructure Systems Decisions (CAREER Award)	10. NSF 11. Oregon DOT 12. Texas DOT	\$500,000 (\$500K)	9/1/00 – 12/31/07
13. Tom Rioux*	Sample Size Expansion of Sidewalk Cross Slope Variability with Respect to the ADA Accessibility Guidelines	TxDOT	\$100,000 (\$100K)	9/1/00 – 8/31/01
14. Susan Handy, Chandra Bhat, Robert Patterson	Techniques for Mitigating Urban Sprawl	TxDOT	\$190,000 (\$40K)	9/1/01 – 8/31/03
15. (None)*	Uncertainty in Integrated Land Use-Transport Models: Simulations & Propagation	SWUTC	\$ 25,500 (\$25.5K)	9/1/01 – 8/31/02
16. (None)* Note: GIFT	Towards Behaviorally Consistent Integrated Transport Land Use Models, In Support of Infrastructure Systems Decisions	Ford Motor Co, NSF	\$ 17,500 (\$17.5K)	1/1/02

17. Randy Machemehl, Susan Handy*	Freeway Design Decisions for Revised Frontage Road Policy	TxDOT	\$172,000 (\$130K)	2/1/02 – 2/15/04
18. Charles River Associates Inc.	Safety Impacts & Other Implications of Raised Speed Limits on High-Speed Roads	TRB/ NCHRP	\$350,000 (\$150K)	8/1/02 – 12/31/04
19. (None)*	Research Internship Program 2002/2003	U.T. Office of Grad. Studies	\$ 19,000 (\$19K)	9/1/02 – 5/31/03
20. (None)*	Credit-Based Congestion Pricing	SWUTC	\$ 27,000 (\$27K)	9/1/02 – 8/31/03
21. Michael Walton & James Jarrett*	Impacts of Land Use & Land-Use Change on Right of Way Cost	TxDOT	\$196,750 (\$170K)	9/1/02 – 8/31/04
22. Michael Walton	Coordinating Traffic Management Responses Between TxDOT Districts in Extraordinary Events	TxDOT	\$110,000 (\$10K)	9/1/02 – 8/31/03
23. (None)*	Research Experience for Undergraduates: Towards Behaviorally Consistent Integrated Transport Land Use Models, in Support of Infrastructure Systems Decisions	National Science Foundation	\$15,000 (\$15K)	7/1/03 – 8/31/04
24. Academic Development Funds*	Bringing the Splendor of Statistics to All Students: Animation, Adaptive Problem Sets, & More	College of Engineering	\$6,000 (\$6K)	9/1/03 – 8/31/04
25. (None)*	Credit-Based Congestion Pricing: Implementation and Welfare Calculations	SWUTC	\$32,000 (\$32K)	9/1/03 – 8/31/04
26. Jolanda Prozzi, Chandra Bhat, Tom Rioux	Development of Sources and Methods for Securing Truck Travel Data in Texas	TxDOT	\$132,500 (\$10K)	9/1/03 – 8/31/04
27. Travis Waller, David Luskin, & Chandra Bhat*	Application of Credit-Based Congestion Pricing in Texas: Operational Considerations & Impacts	TxDOT	\$215,000 (\$150K)	9/1/03 – 8/31/05

28. Khali Persad, Travis Waller, David Luskin, Michael Walton, & Randy Machemehl*	The Role of Toll Projects in Enhancing Texas Transportation	TxDOT	\$231,612 (\$162K)	9/1/03 – 8/31/05
29. Michael Walton, David Luskin, & Michael Bomba*	Potential Effects of the Trans-Texas Corridor on Land Use Patterns	TxDOT	\$200,000 (\$160K)	9/1/03 – 8/31/05
30. Randy Machemehl, David Luskin, & Chandra Bhat*	Public Perceptions of Toll Roads	TxDOT	\$270,000 (\$193K)	9/1/03 – 8/31/05
31. Elena C. McDonald-Buller	Regional Development, Population Trend, and Technology Change Impacts on Future Air Pollution Emissions	EPA RD- 831183901	\$650,000 (\$260K)	12/20/04 – 12/19/08
32. David Allen, Elena C. McDonald-Buller	Investigation of Control Strategies for 8 hour Ozone Standard	TxDOT	\$311,082 (\$60K)	9/1/04 – 8/31/06
33. John Mounce (at TTI)*	Rural Two-Lane Roadway Crash Analysis	TxDOT	\$300,000 (\$140K)	9/1/04 – 3/31/06
34. (None) *	The Basis for Location Choice, vis-a-vis Transportation Demand	SWUTC	\$32,000 (\$32K)	9/1/04 – 8/31/05
35. Carlos Caldas, Zhanmin Zhang *	Impacts of Land Use & Land-Use Change on Right of Way Cost – Implementation Project	TxDOT	\$162,000 (\$14K)	1/1/05 – 8/31/06
36. Carlos Caldas, Khali Persad, Zhanmin Zhang	Best Practices in ROW Valuations and Negotiations	TxDOT	\$84,943 (\$10K)	9/1/05 – 8/31/06
37. (None) *	Microsimulation for Models of Travel & Location Choice	SWUTC	\$31,000 (\$31K)	9/1/05 – 8/31/06
38. Peter Vovsha, M. Bradley, H. Mahmassani, K. Small, T. Adler	Improved Framework and Tools for Highway Pricing Decisions	TRB/ NCHRP #8-57	\$600,000 (\$125K)	8/1/06 – 6/30/09
39. S. Travis Waller,	Analysis and Guidelines for	TxDOT	\$262,288	9/1/06 – 8/31/08

Ard Anjomani *	Establishing Unified Urban Land-Use and Transportation Planning Framework and Procedures		(\$172K)	
40. S. Travis Waller, Zhanmin Zhang	Utilizing the Data Collected at Traffic Management Centers for Planning Purposes Through Non-Traditional Sources and Improved Equipment	TxDOT	\$267,834 (\$36K)	9/1/06 – 8/31/08
41. (None) *	Microsimulation for Coupled Models of Travel & Location Choice Behavior	SWUTC	\$38,600 (\$38.6K)	9/1/06 – 8/31/07
42. (None) *	Development of Next Generation of Travel Demand Models	El Paso MPO	\$9,600 (\$9.6K)	2/1/07 – 12/31/08
43. (None)*	Greenhouse Gas Emissions Control Options: Opportunities for Conservation	NAS	\$11,000 (\$11K)	9/1/07-4/30/09
44. Peter Vovsha, M. Bradley, H. Mahmassani	Improving Our Understanding of How Congestion and Pricing Affect Travel Demand.	SHRP	\$1,000,000 (\$40K)	9/1/07 – 1/20/10
45. (None) *	Microsimulation for Coupled Models of Travel & Location Choice: Applications to Greenhouse Gas Emissions	SWUTC	\$40,000 (\$40K)	9/1/07 – 8/31/08
46. (None) *	Land Use Modeling of the DFW Region – Phase 1	NCTCOG	\$71,175 (\$71K)	1/1/08 – 9/30/09
47. Chandra Bhat, S. Travis Waller *	Sketch Planning Techniques to Assess Regional Air Quality Impacts of Congestion Mitigation Strategies	TxDOT	\$310,000 (190K)	9/1/08 – 8/31/10
48. C.M. Walton, Z. Zhang, R. Harrison, J.P. Prozzi, L. Loftus-Ottway, J. Weissmann, T. Papagiannakis	Longer Combination Vehicles & Road Trains for Texas?	TxDOT	\$423,000 (\$22K)	9/1/08 – 8/31/10
49.(None) *	Vehicle Ownership, Retirement and Use Decisions: Response to Rising Fuel Prices and Implications for Carbon	SWUTC	\$39,000	9/1/08 – 8/31/09

	Emissions Forecasts			
50. Ard Anjomani *	Implementation of Accessible Land Use Modeling Tools for Texas Applications	TxDOT	\$215,920K (\$146K)	11/10/08 – 2/29/10
51. Xiaokun (Cara) Wang *	Models for Dynamic Discrete Response Data with Spatial Autocorrelation: Specification and Estimation	NSF	\$240,000 (\$200.9K)	1/1/09 – 8/31/10
52. (None) *	Land Use Model Program & Peer Review - Phase 2	NCTCOG	\$50,000 (\$50K)	5/1/09 – 5/1/10
53. S. Travis Waller, Dazhi Sun*	Development of a Performance Measurement Based Methodology to Objectively Compare Operational Improvements with Capacity Additions	TxDOT 0-6487	\$304,889 (\$ 167K)	9/1/09 – 8/31/11
54. (None)*	Evolution of Vehicle Fleet: Anticipating Fleet Composition, Use and PHEV Adoption	SWUTC	\$39,000 (\$39K)	9/1/09 – 8/31/10
55. STW, Dazhi Sun	Nighttime Speed Limit and Truck Speed Limits	TxDOT 0-6401	\$279,450 (\$15K)	9/1/09 – 8/31/11
TOTALS		Total to Date (and Approx. Share):	\$9,366,626 (\$4,342K)	9/1/98 – 8/31/09

* Asterisks indicate the 33 projects on which I served (or serve) as the lead investigator.

HONORS FOR SUPERVISED STUDENTS (*All awards marked with an asterisk [*] indicate Dr. Kockelman's co-authorship of an associated paper.*)

- Ms. Xiaokun Wang received the Sixth Annual Benjamin H. Stevens Graduate Fellowship in Regional Science for 2005.
- Ms. Xiaokun Wang received the Women's Transportation Seminar's Helene M. Overly Memorial Scholarship for Graduate Students, Fall 2005.
- Mr. Pradeep Gulipalli received the CUTC's Pikarsky Award for Outstanding M.S. Thesis in Science and Technology, December 2005.*
- Mr. Matthew Bomberg was awarded an Undergraduate Research Fellowship to study "Traveler Response to the 2005 Gas Price Spike", by U.T. Austin's VP for Research, 2005.*
- Ms. Xiaokun Wang was designated an International Road Federation Executive Leadership Fellow, Fall 2006.
- Ms. Bin (Brenda) Zhou was a Finalist in the 2006 Graduate Student Paper Competition, North American Regional Science Council, November 2006.*
- Ms. Bin (Brenda) Zhou and Mr. Jason Lemp were recipients of the 2007 Dwight D. Eisenhower Graduate Fellowship Grants, April 2007.
- Mr. Matthew Bomberg won a 2007 George H. Mitchell Student Award for Academic Excellence (based on his Plan II Honors thesis, "Traveler Response to the 2005 Gas Price Spike"), April 2007*.

- Ms. Brenda Zhou received the Women's Transportation Seminar's Helene M. Overly Memorial Scholarship for Graduate Students, Fall 2007.
- Dr. Xiaokun Wang received the 2007 CUTC Pikarsky Award for best PhD dissertation titled "Capturing Patterns of Spatial and Temporal Autocorrelation in Ordered Response Data: A Case Study of Land Use and Air Quality Changes in Austin, Texas", January 2008.
- Ms. Brenda Zhou received a Women's Transportation Seminar International Scholarship for Graduate Students, May 2008.
- Ms. Brenda Zhou received the 2007-2008 Outstanding Woman Engineer Award by the University of Texas at Austin's Society of Women Engineers, May 2008.
- Mr. Jason Lemp received the 2009 SWUTC Dr. William J. Harris Award to the Outstanding Doctoral (PhD) Student, January 2010.

POST-DOCTORAL ADVISEES/COLLABORATORS

- Dr. Takuya Maruyama, 2006-2008, Ph.D. awarded by The University of Tokyo and fellowship funded by Japan's Society of Science.
- Dr. Chi Xie, 2009-2010, Ph.D. in Civil Engineering awarded by Cornell University.
- Dr. Tammy Thompson, 2009-2010, Ph.D. in Chemical Engineering awarded by U.T. Austin.

DOCTORAL THESIS ADVISEES

Completed:

- Yong Zhao, 2002
- Young-Jun Kweon, 2004
- Jianming Ma, 2006
- Xiaokun Wang, 2007
- Bin (Brenda) Zhou, 2009

In Progress:

- Jason Lemp (expected December 2009)
- Dan Fagnant
- YiYi Wang

MASTER'S THESIS ADVISEES

Completed:

- Raheel Shabih, 1999
- Katsuhiko Nakamura, 2000
- Brian tenSiethoff, 2000
- Aaron Overman, 2000
- Siva Srinvisan, 2000
- Issam Srour, 2001
- Anant Pradhan, 2001
- Yeonjoo Min, 2001
- Ling Jin, 2002
- Sriram Krishnamurthy, 2002
- Jared Heiner, 2003
- C. Patricia Delgado, 2004
- Natalia Ruiz-Juri, 2004
- Christopher Frazier, 2004

- Kaethe Podgorski, 2004
- Surabhi Gupta, 2004
- Sukumar Kalmanje, 2005
- Jamie Reckinger, 2005
- Pradeep Gulipalli, 2005
- Shadi Hakimi, 2005
- Michelle Bina, 2005
- Shashank Gadda, 2006
- Laura McWethy, 2006
- Jason Lemp, 2007
- Saurabh Kumar, 2007
- Siva Karthik Kakaraparathi, 2009
- Sumala Tirumalachetty, 2009

In Progress:

- Sashank Musti (expected December 2009)
- Binny Paul
- Brent Selby

UNDERGRADUATE ADVISEES

- Travis Dunn (2003) – Plan II Honor’s Thesis
- Alexander Marks (2005) – Plan II Honor’s Thesis TC 660HA&B course
- Matthew Bomberg (2006) – Plan II Honor’s Thesis TC 359T course

GRADUATE NON-THESIS ADVISEES

- Susan Humphrey, 2005, ME, Engineering Management (Summer Report)

OTHER TEACHING PREPARATION ACTIVITIES

Attended Orientation and Teaching Conferences and Pedagogical Workshop for Graduate Student Instructors, U.C. Berkeley, 1996-1997.

Informal Teaching Assistant, U.C. Berkeley's CE262 (Concepts of Probability and Transportation Statistics), Fall 1997.

Graduate Student Instructor, U.C. Berkeley's Statistics 131A (Statistical Inferences for Social and Life Scientists), Summer 1997.

Regularly attend U.T. College of Engineering’s Faculty Innovation Seminars & U.T.’s Discovery Learning Seminars, 1998-Present.

Participant in U.T.’s New Faculty Orientation Week, August 1998.

Attended TxDOT’s GEOPAK I & II Week-long Courses, for preparation of U.T.'s CE367 & 391M design courses, September 1998 & January 1999.

Attended “Presentation on New Century Scholars' Workshop Materials.” Sponsored by U.T.'s College of Engineering. January 30, 2001.

Attended workshop on “Effective Interpersonal Communication.” University of Texas EAP, February 7, 2001.

Coordination with College of Engineering’s Faculty Innovation Center to animate Highway Design course concepts related to braking distances and curve banking for student visualization, University of Texas at Austin, Spring 2001.

Attended conference on "Forging Academic Partnerships." Sponsored by University of Texas' Office of Student Affairs at Thompson Conference Center, March 2, 2001.

Attended ASEE Gulf-Southwest Section Annual Conference and presented "Student Grades and Course Evaluations in Engineering: What Makes a Difference." College Station, TX, March 29, 2001.

Attended workshop on "Successful Negotiation Strategies." University of Texas EAP, April 4, 2001.

Participant in ASEE 2001 National Effective Teaching Institute (NETI), Albuquerque, NM, June 21-23, 2001.

Attended ASEE Annual Conference and presented "Student Grades and Course Evaluations in Engineering: What Makes a Difference." Albuquerque, NM, June 24-27, 2001.

Participant in ASCE 2001 Excellence in Civil Engineering Education (ExCEED) Teaching Workshop, Fayetteville, AR, July 8-13, 2001.

Attended "Bringing Drama to the Classroom." University of Texas Graduate School of Business Forum, Austin, TX, February 8, 2002.

Attended the University of Texas's 18th Annual Teaching Seminar for Experienced Faculty, Austin, TX, January 6 & 7, 2003.

Awarded U.T. College of Engineering Academic Development Funds for developing animations and adaptive problem sets for use in CE311S (Elementary Probability and Statistics for Civil Engineering) for academic year 2004.

Attended "Scientific Teaching: What is the Evidence that Students Learn?" lecture by Dr. Diane Ebert May. UT's Discovery Learning Seminar, The University of Texas at Austin, TX, October 7, 2005.

Attended Faculty Innovation Seminar "Critical Thinking Across Classrooms", September 23, 2009.

Attended Faculty Innovation Seminar "Why Don't Students Like School?", October 30, 2009.

PROFESSIONAL EXPERIENCE – Non-Academic

U.S. Peace Corps, Ecuador	Project Engineer	Aug. 1991 - Aug. 1993
City of Palo Alto, California	Technician/Engineering	Summer 1990
Dept. of Public Works/Engineering	Assistant	
Vossbrinck Associates Inc., Structural Engineers	Paid Intern	Summers 1988 & 1989

CONSULTING

Edward Rose & Sons (Property Management)	January 2004 – April 2006
Retained by: Dunbar Munroe, Bryan Construction Co., Avalon Bay	2006 – Present

VITA

Professor of Civil, Architectural and Environmental Engineering and William J. Murray Jr. Fellow at the University of Texas at Austin, Dr. Kockelman is a registered professional engineer and holds a PhD, MS, and BS in civil engineering, a Masters of City Planning, and a minor in economics from the University of California at Berkeley. She has received an NSF CAREER Award for faculty research and teaching (2000-2004), a Ford Fund CAREER Award (2002), a U.C. Transportation Center "Student of the Year" Award (1998), U.C. Berkeley's University Medal (1991), and the NSF and Berkeley Fellowships for graduate study (1993-1998). In 2002, MIT's *Technology Review Magazine* honored her as one of the world's Top 100 Innovators under age 35, and the Council of University Transportation Centers awarded her its inaugural Young Faculty Award. In 2006, the Regional Science Association International presented her with its Geoffrey J.D. Hewings Award. Dr. Kockelman received ASCE's 2007 Harland Bartholomew Award, to recognize her many transportation planning contributions, including her novel credit-based congestion pricing theory. She also received the Heart of Texas' Women's Transportation Seminar's 2007 Woman of the Year Award. Between her undergraduate and graduate studies, Dr.

Kockelman worked as a Peace Corps Volunteer in the rural Andean region of Ecuador, managing the construction of potable water systems and other sanitation infrastructure. She continues her public service through her research and interactions with a variety of Austin groups, including student, alumni, and professional societies.

Dr. Kockelman's primary research interests include the statistical modeling of urban systems (including models of travel behavior, trade, and location choice), the economic impacts of transport policy, crash occurrence and consequences, energy and climate issues (vis-à-vis transport and land use decisions) and transport policy-making. She has taught classes in transportation systems, transport economics, transport data acquisition and analysis, probability and statistics, and geometric design of roadways. For several years, she advised the student chapters of the Society of Women Engineers (SWE) and Engineers Without Borders (EWB) at the University of Texas at Austin.

Dr. Kockelman serves as chairperson of the Transportation Research Board's (TRB) Travel Survey Methods committee. She also serves on the organization's Transportation and Land Development committee, Statistical Methodology and Statistical Computer Software committee, and Integrated Transportation and Land Use Modeling subcommittee. She has been a member of the two National Cooperative Highway Research Program (NCHRP) panels and one Transit CRP panel, and recently served as a member of the National Research Council's Committee for the Study on Relationships among Development Patterns, VMT, and Energy Conservation. She sits on the editorial advisory boards of *Transportation Research (Part B, Methodological)*, *Journal of Transport and Land Use*, *Journal of Regional Science*, *International Regional Science Review* and *Papers in Regional Science*. In 2005, she was elected to the North American Regional Science Council, and in 2009 she chaired the annual North American meetings of the Regional Science Association International.

Dr. Kockelman is primary and co-author of papers across a variety of subjects, all of which involve transportation data analysis. She has conducted research for the National Science Foundation, the U.S. Environmental Protection Agency, the National Cooperative and Strategic Highway Research Programs, the University Transportation Centers program, the North Central Texas Council of Governments and the Texas and Oregon Departments of Transportation. Recent and current projects include an EPA STAR grant for land use, transport, and air quality models, an NCHRP project on decision-making and demand modeling for tolled roads, an NSF grant for spatial econometric models of discrete response, and TxDOT projects on integrating land use and travel demand models and anticipating the emissions and other impacts of various transportation improvements.