

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

**EDUCATION**

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

**PROFESSIONAL EXPERIENCE – Academic**

University of Texas at Austin	Dewitt C. Greer Centennial Professorship in Engineering	Fall 2017 – Present
University of Queensland	Sabbatical	Spring 2018
University of Texas at Austin	E.P. Schoch Professorship in Engineering	Fall 2013 – Fall 2017
Stanford University	Visiting Professor	Fall 2013
University of Texas at Austin	Professor & William J. Murray Jr. Fellow	Fall 2009 – Summer 2013
University of Texas at Austin	Associate Professor & William J. Murray Jr. Fellow	Fall 2005 – Summer 2009
University of California at Berkeley	Sabbatical	Spring 2006
University of Texas at Austin	Clare Boothe Luce Associate Professor of Civil Engineering	Fall 2004 – Summer 2005
University of Texas at Austin	Clare Boothe Luce Assistant Professor of Civil Engineering	Fall 1998 – Summer 2004
University of California at Berkeley	Teaching Assistant	June 1997 – December 1997
University of California at Berkeley	Research Assistant	Fall 1993, Summer 1994, & May 1995 – May 1996

**HONORS AND AWARDS**

- Keynote invitation to Forum on Integrated and Sustainable Transportation Systems (Forum-ISTS 2020) in Delft, Netherlands, June 3, 2020
- Invited to be Plenary Speaker at Sept 2019 38th Conference on Tire Science and Technology in Akron, Ohio, for Mobility Frontiers themed annual meeting (declined due to time constraints)
- Nanyang Technical University’s 2019 Tan Chin Tuan Exchange Fellowship in Engineering, Singapore
- Two papers among the Top 5 Most Cited Papers of 2019 in TRR’s long series: “Shifts in Long- Distance Travel Modes Due to Automated Vehicles Statewide Mode-Shift Simulation Experiment” (TRR 2016) and “Travel Survey Analysis (with Jeff LaMondia et al.) & Management of a Shared Autonomous Electric Vehicle Fleet Implications of Pricing Schemes” (TRR 2016 with Donna Chen)
- Invited to give Journal of Regional Science Plenary Lecture at NARSC Meetings in Pittsburgh (November 17, 2019) (declined due to time constraints)
- One paper among TRB’s Top 10 Most Cited Paper of 2018 in Transportation Research Record’s 2015 extensive (>1000 publications) series: Fagnant, Kockelman & Bansal’s 2015 paper titled “Operations of a Shared Autonomous Vehicle Fleet for the Austin Market”
- Robert Petty Guest Lecturer Award, at University of Queensland, Australia, 2018
- Honorary Professor, University of Queensland, Department of Civil Engineering, 2018-2021
- Australia’s Endeavour Executive Fellowship award, hosted by University of Queensland, 2018

Voted 'Best of 2017' speaker in Samsung's Silicon Valley Speaker Series, for presentation titled "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," San Jose, California, July 10, 2017

Beijing Overseas Talent Pool Award, Beijing University of Technology, July 2015

Google Research Award; \$70,000 gift to pursue research on topic of "Anticipating & Mitigating the Latent Demand Effects of Self-Driving Vehicles: A Role for Data-Driven Modeling & Credit-Based Congestion Pricing", August 2014

ASCE's James Laurie Prize in Transportation Engineering, February 2014

TRB Technical Activities Council's Blue-Ribbon Committee Award, for Travel Survey Manual wiki-site created during 3-year tenure as ABJ40 (Travel Survey Methods) Committee Chair, November 2013

Women's Transportation Seminar International and Heart of Texas Chapter, Honorary Member Award, 2012

ASCE's Walter L. Huber Research Prize in Transportation Engineering, for contributions in data acquisition and analysis to facilitate transport planning and policy-making, September 2010

Young Researcher Award from the Transportation Research Board's Committee on Statistical Methods (ABJ80) for paper (with co-author Xiaokun Wang) titled "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas," January 2010

Plan II Honors Program stipend for support of undergraduate Matthew Bomberg, The University of Texas, May 2008

Women's Transportation Seminar (WTS) 2007 Heart of Texas Chapter *Woman of the Year* Award, January 2008

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

Geoffrey J.D. Hewings Award, presented by the Regional Science Association International, for innovative research contributions, November 2006

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

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

Inaugural recipient of the Council of University Transportation Centers (CUTC) and the American Road and Transportation Builders Association (ARTBA) Annual New Faculty Award, recognizing "outstanding teaching and research contributions to the transportation field." December 2002

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

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

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

TRB Committee on Pedestrians Award for Outstanding Paper, January 2002

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

Clare Boothe Luce Professor of Civil Engineering, 1999-2004

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

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

Institute of Transportation Engineers "Best Student Paper" Prize, Northern California Section, 1995

National Science Foundation Fellowship, 1993-1998

University of California at Berkeley Fellowship, 1993-1998

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

Kennedy Interdisciplinary Studies Award in Economics, 1991

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

University Medal - "Most Distinguished Graduate" of U.C. Berkeley's 5,300 Graduating Class, 1991

## **PROFESSIONAL SOCIETY AFFILIATIONS & LICENSURE**

Inaugural Board Member, World Society for Transport and Land Use Research, September 2011-Present

Licensed City Planner, AICP 2008, and Member, American Planning Assoc. National and Texas Chapters, 2008 - 2009

Licensed Professional Engineer, States of California (Certification #C057380, from 1997-2010) and Texas (Certification #93443, since 14 May 2004)

World Conference on Transportation Research Society, 2007-2009  
 Institute for Operations Research and the Management Sciences (INFORMS), 2003-2004, and 2011  
 American Association of Geographers, 2002-2004  
 Regional Science Association International, 2002-Present  
 American Society of Civil Engineers, 2000-2003, 2005-2007, 2009-2010, 2012-2014, 2017-Present  
 Society of Women Engineers, 2000-2004  
 International Association of Travel Behavior Research, 1998-2009, 2012 - 2017  
 American Society for Engineering Education, 1999-2006  
 Phi Beta Kappa, Alpha Chapter - Humanities Honor Society  
 Tau Beta Pi & Phi Beta Kappa - Engineering Honor Society

## REFEREED, ARCHIVAL PUBLICATIONS

Note: Underline indicates student advisee to Dr. Kockelman at the time of the work, & asterisk (\*) indicates corresponding author.

1. Rouhani, Omid, Geddes, Raymond\*, Ockenfels, Axel, Beheshtian, Arash, Cramton, Peter and Kockelman, Kara. "Bringing the Efficiency of Electricity Market Mechanisms to Multimodal Mobility across Congested Transportation Systems." *Transportation Research Part A: Policy and Practice*. doi.org/10.1016/j.tra.2019.09.021.
2. Li, Ruohan and Kockelman, Kara\*. "Predicting A Vehicle's Annual Distance Traveled from Short-Duration Data." *Transport Findings*. September 2019.
3. Hernandez, Michael, Kockelman, Kara\*, Lee, Jooyong, and Lentz, James. "Emissions and Noise Mitigation through Use of Electric Motorcycles." Forthcoming in *Transportation Safety and Environment*, June 2019.
4. Gurumurthy, Krishna, Kockelman, Kara\*, and Simoni, Michele. "Benefits and Costs of Ride-Sharing in Shared Automated Vehicles across Austin, Texas: Opportunities for Congestion Pricing", *Transportation Research Record*, 2673 (6), 548-556, May 2019.
5. Lee, Jooyong and Kara Kockelman\*. "Development of Traffic-Based Congestion Pricing and Its Application for Automated Vehicles." *Transportation Research Record* 2673 (issue 6: 536-547), 2019.
6. Wilkins, Devin, Kockelman, Kara\*, and Jiang, Nan. "Animal-Vehicle Collisions in Texas: How to Protect Travelers and Animals on Roadways." *Accident Analysis and Prevention*, 131, 157-170 October 2019.
7. Huang, Yantao and Kockelman, Kara\*. "What Will Autonomous Trucking do to U.S. Trade Flows? Application of the Random-Utility-Based Multi-Regional Input-Output Model." *Transportation*, June 2019.
8. Nodjomian, Adam and Kockelman, Kara\*. "How Do Land Use Patterns Affect Interest in the Ownership and Use of Electric Vehicles?" Accepted for publication in *Journal of Transport Geography*, May 2019.
9. He, Yawei, Kockelman, Kara\* and Perrine, Kenneth. "Optimal Locations of U.S. Fast Charging Stations for Long-Distance Trips by Battery Electric Vehicles." *Journal of Cleaner Production*, 214, 452-461 January 2019.
10. Bansal, Prateek, Kockelman, Kara\*, Schivelbein, William, and Schauer-West, Scott. "Indian vehicle ownership and travel behavior: A case study of Bengaluru, Delhi and Kolkata" *Research in Transportation Economics*, 71, 2-8 November 2018.
11. De Almeida Correia, Goncalo Homem, Wiegmanns, Bart, Kockelman, Kara and Qiang, Meng. Editorial of the Special Issue on "Operations with Automated and Connected Vehicles: Applications in Freight and Passenger Transport," *Transportation Research Part C*, 95, 493-496 October 2018.
12. Wang, Guangmin and Kockelman, Kara\*. "Three Methods for Anticipating and Understanding Uncertainty of Outputs from Transportation and Land Use Models." *Transportation Research Record*, 2018 (DOI: 10.1177/0361198118801339), October 2018.

13. Gurumurthy, Krishna and Kockelman, Kara\* “Analyzing the Dynamic Ride-Sharing Potential for Shared Autonomous Vehicle Fleets Using Cellphone Data from Orlando, Florida.” *Computers, Environment and Urban Systems*, 71, 177-185 September 2018.
14. Zhao, Yong, and Kockelman, Kara\*. “Anticipating the Regional Impacts of Connected and Automated Vehicles Travel in Austin, Texas.” *Journal of Urban Planning and Development* 144 (4), July 2018.
15. Loeb, Ben, Kockelman, Kara\* and Jun Liu. “Shared Autonomous Electric Vehicle (SAEV) Operations across the Austin, Texas Network with a Focus on Charging Infrastructure Decisions.” *Transportation Research Record: Part C, Emerging Technologies* 89:222-233, April 2018.
16. Loeb, Ben, and Kockelman, Kara\*. “Fleet Performance & Cost Evaluation of a Shared Autonomous Electric Vehicle (SAEV) Fleet: A Case Study for Austin, Texas.” *Transportation Research Part A* 89: 222-233, February 2018.  
Ma, Qinglu, and Kockelman, Kara\*, “A Low-Cost GPS-Data-Enhanced Approach for Traffic Network Evaluations”, *International Journal of Intelligent Transportation Systems Research*, 17(1): 9-17, January 2018.
17. Liu, Jun, Kockelman, Kara\*, Boesch, Patrick, and Ciari, Francesco. “Tracking a System of Shared Autonomous Vehicles across the Austin, Texas Network using Agent-Based Simulation.” *Transportation* 44 (6): 1261-1278, August 2017.
18. Bansal, Prateek and Kockelman, Kara\*. “Indian Vehicle Ownership: Insights from Literature Review, Expert Interviews, and State-Level Model.” *Journal of the Transportation Research Forum*, 56 (2): 45-59, August 2017.
19. Levin, Michael, Kockelman, Kara\*, Li, Tianxin, and Boyles, Stephen. “A General Framework for Modeling Shared Autonomous Vehicles.” *Computers, Environment and Urban Systems*, 64: 373-383 July 2017.
20. Bansal, Prateek, and Kockelman, Kara\*. “Forecasting Americans’ Long-Term Adoption of Connected and Automated Vehicle Technologies.” *Transportation Research Part A: Policy and Practice* 95: 49-63, 2017.
21. Bansal, Prateek and Kockelman, Kara\*. “Are We Ready to Embrace Connected and Self-Driving Vehicles? A Case Study of Texans.” *Transportation* 44: 1-35, 2017.
22. Clements, Lewis and Kockelman, Kara\*. “Economic Effects of Autonomous Vehicles.” *Transportation Research Record No. 2602*, 2017.
23. Reiter, Matt, and Kockelman, Kara\*. “Emissions and Exposure Costs of Electric Versus Conventional Vehicles: A Case Study for Texas.” *International Journal of Sustainable Transportation* 11 (7): 486-492, December 2016.
24. Chen, T. Donna, Kockelman, Kara\*, and Hanna, Josiah. “Operations of a Shared, Autonomous, Electric Vehicle Fleet: Implications of Vehicle & Charging Infrastructure Decisions.” *Transportation Research Part A: Policy and Practice* 94, 243-254, 2016.
25. Wang, Guangmin and Kockelman, Kara\*. “Local Sensitivity Analysis of Forecast Uncertainty in a Random-Utility-Based Multiregional Input-Output Model.” *Journal of the Transportation Research Forum*, 55 (2), 49-70. 2016.
26. LaMondia, Jeff\*, Fagnant, Daniel, Qu, Hongyang, Barrett, Jackson, and Kockelman, Kara. “Shifts in Long-Distance Travel Mode Due to Automated Vehicles: Statewide Mode-Shift Simulation Experiment and Travel Survey Analysis.” *Transportation Research Record*, No. 2566 (2), 1-10. 2016.
27. Zhang, Wenjia and Kockelman, Kara\*. “Optimal Policies in Cities with Congestion and Agglomeration Externalities: Congestion Tolls, Labor Subsidies, and Place-Based Strategies.” *Journal of Urban Economics*, 95, 64-86 August 2016.
28. Chen, T. Donna and Kockelman, Kara\*. “Carsharing’s Life-Cycle Impacts on Energy Use and Greenhouse Gas Emissions.” *Transportation Research Part D* 47: 276-284, 2016.
29. Ma, Shuhong and Kockelman, Kara\*. “Welfare Measures to Reflect Home Location Options When Transportation Systems Are Modified.” *Journal of the Transportation Research Forum*, Spring 2016.

30. Bansal, Prateek, Kockelman, Kara\* and Singh, Amit. "Assessing Public Opinions of and Interest in New Vehicle Technologies: An Austin Perspective." *Transportation Research Part C: Emerging Technologies*, 67: 1-14, June 2016.
31. Chen, T. Donna, and Kockelman, Kara\*. "Management of a Shared, Autonomous, Electric Vehicle Fleet: Implications of Pricing Schemes" *Transportation Research Record* No. 2572, 2016.
32. Zhang, Wenjia (Kevin), and Kockelman, Kara\*. "Congestion Pricing Effects on Firm and Household Location Choices in Monocentric and Polycentric Cities." *Regional Science and Urban Economics* 58: 1-12, 2016, doi: 10.1016/j.regsciurbeco.2016.01.002.
33. Reiter, Matthew, and Kockelman, Kara\*. "The Problem of Cold Starts: A Closer Look at Mobile Source Emissions Levels." *Transportation Research Part D*: 43, 123-132, 2016.
34. Ma, Shuhong, Kockelman, Kara\*, and Daniel Fagnant. "Welfare Analysis Using Logsum Differences vs. Rule of Half: A Series of Case Studies." *Transport Research Record*, 2530, 73-83, 2015.
35. Chen, T. Donna, Kockelman, Kara\*, and Zhao, Yong. "What Matters Most in Demand Model Specifications: A Comparison of Outputs." *Journal of the Transportation Research Forum* 54 (2):71-89, 2015.
36. Fagnant, Daniel J. and Kockelman, Kara\*. "Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations for Capitalizing on Self-Driven Vehicles." *Transportation Research Part A: Policy and Practice* 77: 167-181, 2015.
37. Fagnant, Daniel and Kockelman, Kara\*. "A Direct-Demand Model for Bicycle Counts: The Impacts of Level of Service and Other Factors." *Environment and Planning B: Planning and Design* 43 (1): 93-107, 2016.
38. Bansal, Prateek, Kockelman, Kara\*, and Wang, Yiyi. "Hybrid Electric Vehicle Ownership and Fuel Economy Across Texas: An Application of Spatial Models." *Transportation Research Record* 2495: 53-64, 2015.
39. Fagnant, Daniel, Kockelman, Kara\*, and Prateek Bansal. "Operations of a Shared Autonomous Vehicle Fleet for the Austin, Texas Market." *Transportation Research Record*, No. 2536: 98-106, 2015.
40. Chen, T. Donna, Wang, Yiyi, and Kockelman, Kara\*. "Where Are the Electric Vehicles? A Spatial Model for Vehicle-Choice Count Data." *Journal of Transport Geography* 43: 181-188, 2015.
41. Nichols, Brice and Kockelman, Kara\*. "Urban Form and Life-cycle Energy Consumption: Case Studies for Five U.S. Cities." *Journal of Transportation & Land Use* 8 (3): 1-15, 2015.
42. Nichols, Brice, Kockelman, Kara\*, and Reiter, Matt. "Air Quality Impacts of Electric Vehicle Adoption in Texas." *Transportation Research Part D* 34: 208-218, 2015.
43. Fagnant, Daniel, and Kockelman, Kara\*. "Motorcycle Use in the U.S.: Crash Experiences, Safety Perspectives and Countermeasures." *Journal of Transportation Safety and Security* 7(1): 20-39, 2014.
44. Chester, Mikhail\*, Sperling, Joshua, Stokes, Eleanor, Allenby, Braden, Kockelman, Kara, Kennedy, Christopher, Baker, Lawrence, Keirstead, James, and Hendrickson, Chris. "Positioning Infrastructure and Technologies for Low-carbon Urbanization." *Earth's Future* 2 (10), 2014.
45. Nichols, Brice and Kockelman, Kara\*. "Pay-as-You-Drive Insurance: Its Impacts on Household Driving and Welfare." *Transportation Research Record* No. 2450: 76-82, 2014.
46. Fagnant, Daniel and Kockelman, Kara\*. "Anticipating Roadway Expansion & Tolling Impacts: Toolkit for Abstracted Networks." *Journal of Urban Planning & Development* 140(1), 2014.
47. Xiong, Xiaoxia and Kockelman, Kara\*. "The Cost of Right-of-Way Acquisition: Recognizing the Impact of Condemnation via a Switching Regression Model." *Journal of Infrastructure Systems*, 2014.
48. Khan, Mobashwir, Kockelman, Kara\*, and Xiong, Xiaoxia. "Models for Anticipating Non-Motorized Travel Choices, and the Role of the Built Environment." *Transport Policy* 35: 117-126, 2014.
49. Fagnant, Daniel and Kockelman, Kara\*. "The Travel and Environmental Implications of Shared Autonomous Vehicles, Using Agent-based Model Scenarios." *Transportation Research Part C* 40:1-13, 2014.
50. Nichols, Brice and Kockelman, Kara\*. "Life-Cycle Energy Implications of Different Residential Settings: Recognizing Buildings, Travel and Public Infrastructure." *Energy Policy* 68:232-242, 2014.

51. Wang, Yiyi, Kockelman, Kara\* and Damien, Paul. "A Spatial Autoregressive Multinomial Probit Model for Anticipating Land-use Change in Austin, Texas." *Annals of Regional Science* 52 (1): 251-2780, December 2013.
52. Tirumalachetty, Sumala, Kockelman, Kara\* and Nichols, Brice. "Forecasting Greenhouse Gas Emissions from Urban Regions: Microsimulation of Land Use and Transport Patterns in Austin, Texas." *Journal of Transport Geography* 33: 220-229, 2013.
53. Wang, Yiyi and Kockelman, Kara\*. "A Poisson-Lognormal Conditional-Autoregressive Model for Multivariate Spatial Analysis of Pedestrian Crash Counts across Neighborhoods." *Accident Analysis & Prevention* 60: 71-84, 2013.
54. Wang, Yiyi, Kockelman, Kara\* and Wang, Xiaokun (Cara). "Understanding Spatial Filtering for Analysis of Land Use Transport Data Sets." *Journal of Transport Geography* 31: 123-131, 2013.
55. Fagnant, Daniel, Nichols, Brice and Kockelman, Kara\*. "Who Rides and Who Pays: A Comprehensive Assessment of the Costs and Benefits of Motorcycling in the United States." *Transportation Research Record* No. 2388: 37-46, 2013.
56. Chen, Donna and Kockelman, Kara\*. "Americans' Crash Histories and Opinions on Safety Policy." *Transportation Research Record* No. 2364: 12-22, 2013.
57. Chen, Donna, Khan, Mobashwir, and Kockelman, Kara\*. "Locating Electric Vehicle Charging Stations: A Parking-Based Assignment Method for Seattle." *Transportation Research Record* 1254: 28-36, 2013.
58. Wang, Yiyi, Kockelman, Kara\* and Wang, Xiaokun (Cara). "The Impact of Weight Matrices on Parameter Estimations and Inference: A Case Study of Binary Response Using Land Use Data." *Journal of Transportation and Land Use* 6 (3): 75-85, 2013.
59. Selby, Brent and Kockelman, Kara\*. "Spatial Prediction of Traffic Levels in Unmeasured Locations: Applications of Kriging and Geographically Weighted Regression." *Journal of Transport Geography* 29: 24-32, May 2013.
60. Fagnant, Dan and Kockelman, Kara\*. "Outcome of Transportation Projects Under Uncertainty: Examination of Benefit-Cost Ratios and Other Impacts." *Transportation Research Record* No.2303: 89-98, 2012.
61. Chen, T. Donna and Kockelman, Kara\*. "Roles of Vehicle Footprint, Height and Weight in Crash Outcomes: Application of a Heteroscedastic Ordered Probit Model." *Transportation Research Record* No. 2280:89-99, 2012.
62. Du, Xiaochuan and Kockelman, Kara\*. "Tracking Transportation and Industrial Production Across a Nation: Application of the RUBMRIO Model for U.S. Trades." *Transportation Research Record* No. 2269: 99-109, 2012.
63. Selby, Brent and Kockelman, Kara\*. "Microsimulating Automobile Markets: Evolution of Vehicle Holdings and Vehicle-Pricing Dynamics." *Journal of the Transportation Research Forum* 51 (2): 83-96, 2012.
64. Wang, Cara, Kockelman, Kara\* and Lemp, Jason. "The Dynamic Spatial Multinomial Probit Model: Analysis of Land Use Change Using Parcel-Level Data." *Journal of Transport Geography* 24:77-88, 2012.
65. Khan, Mobashwir and Kockelman, Kara\*. "Predicting the Market Potential of Plug-In Electric Vehicles Using Multiday GPS Data." *Energy Policy* 46: 225-233, 2012.
66. Tuttle, David and Kockelman, Kara\*. "Electrified Vehicle Technology Trends, Infrastructure Implications and Cost Comparisons." *Journal of the Transportation Research Forum* 55(1):35-51, 2012.
67. Lemp, Jason and Kockelman, Kara\*. "Strategic Sampling for Large Choice Sets in Estimation and Application." *Transportation Research Part A*, 46: 602-613, 2012.
68. Zhao, Yong, Kockelman, Kara\* and Karlstrom, Anders. "Welfare Calculations in Discrete Choice Settings: The Role of Error Term Correlation." *Transport Policy* 19 (1): 76-84, 2012.
69. Xie, Chi and Kockelman, Kara\*. "Two-stage Equilibrium Travel Demand Model for Sketch Planning." *Transportation Research Record* No. 2302: 1-13, 2012.

70. Caldas, C., Zhang, Z., Kockelman, K., Persad, K., Al Halabi, R., and Kincaid, E. "Development of Best Practices for Right-of-Way Valuations and Negotiations in Transportation Projects." *Journal of the Transportation Research Forum*, 50 (3): 23-42, 2011.
71. Lemp, Jason, Kockelman, Kara\* and Damien, Paul. "A Bivariate Multinomial Probit Model for Trip Scheduling: Bayesian Analysis of the Work Tour." *Transportation Science* 46 (3): 405-424, 2012.
72. Kockelman, Kara\* and Lemp, Jason. "Anticipating New-Highway Impacts: Opportunities for Welfare Analysis and Credit-Based Congestion Pricing" *Transportation Research Part A*, 45 (8):825-838, 2011.
73. Musti, Sashank, and Kockelman, Kara\*. "Evolution of the Household Vehicle Fleet: Anticipating Fleet Composition, PHEV Adoption and GHG Emissions in Austin, Texas." *Transportation Research Part A*, 45 (8):707-720, 2011.
74. Xie, Chi, Kockelman, Kara\* and Waller, Travis. "A Maximum Entropy-Least Squares Estimator for Elastic Origin-Destination Trip Matrix Estimation." *Transportation Research Part B* 45(9):1465-1482, 2011.
75. Xie, Chi\*, Waller, Travis, and Kockelman, Kara. "Intersection Origin-Destination Flow Optimization Problem for Evacuation-Network Design." *Transportation Research Record* No. 2234: 105-115, 2011.
76. Zhou, Brenda and Kockelman, Kara\*. "Change in Land Use through Microsimulation of Market Dynamics: Agent-based Model of Land Development and Locator Bidding in Austin, Texas." *Transportation Research Record* No. 2255: 125-136, 2011.
77. Wang, Yiyi, Kockelman, Kara\* and Wang, Cara. "Anticipation of Land Use Change through Use of Geographically Weighted Regression Models for Discrete Response." *Transportation Research Record* No. 2245: 111-123, 2011.
78. Paul, Binny, Kockelman, Kara\* and Musti, Sashank. "Evolution of the Light-Duty Vehicle Fleet: Anticipating Adoption of Plug-In Hybrid Electric Vehicles and Greenhouse Gas Emissions Across the U.S. Fleet." *Transportation Research Record* No. 2252: 107-117, 2011.
79. Zhou, Brenda, and Kockelman, Kara\*. "Opportunities for and Impacts of Carsharing: A Survey of the Austin, Texas Market." *International Journal of Sustainable Transportation* 5 (3): 135-152, 2011.
80. Kockelman, Kara\*, Thompson, Melissa, and Whitehead, Charlotte. "Americans' Contributions to Climate Change: Opportunities for Meeting Carbon Targets." *Journal of Urban Planning and Development* 137 (2): 91-100, 2011.
81. Musti, Sashank, Kortum, Katherine, and Kockelman, Kara\*. "Household Energy Use and Travel: Opportunities for Behavioral Change." *Transportation Research Part D* 16 (1): 49-56, 2011.
82. Lemp, Jason, Kockelman, Kara\* and Unnikrishnan, Avinash. "Analysis of Large Truck Crash Severity using Heteroskedastic Ordered Probit Models." *Accident Analysis and Prevention* 43 (1): 370-380, 2011.
83. Duthie, Jennifer, Voruganti, Avinash, Kockelman, Kara\* and Waller, Travis. "Highway Improvement Project Rankings due to Uncertain Model Inputs: Application of Traditional Transportation and Land Use Models." *Journal of Urban Planning and Development* 136 (4): 294-302, 2010.
84. Xie, Chi, Kockelman, Kara\*, and Waller, Travis. "A Maximum Entropy Method for Subnetwork Origin-Destination Trip Matrix Estimation." *Transportation Research Record* No. 2196: 111-119, 2010.
85. Whitehead, Charlotte and Kockelman, Kara\*. "Americans' Time Use: A Focus on Women and Child-Rearing via Structural Equations Modeling." *Transportation Research Record* No. 2163: 32-44, 2010.
86. Lemp, Jason and Kockelman, Kara\*. "Empirical Investigation of the Continuous Logit for Departure Time Choice with Bayesian Methods." *Transportation Research Record* No. 2165: 59-68, 2010.
87. McDonald-Buller, Elena\*, Webb, Alba, Kockelman, Kara and Zhou, Brenda. "Effects of Transportation and Land Use Policies on Air Quality: A Case Study in Austin, TX." *Transportation Research Record* No. 2158: 28-35, 2010.
88. Ng, ManWo, Kockelman, Kara\* and Waller, Travis. "Relaxing the Multivariate Normality Assumption in the Simulation of Transportation System Dependencies." *Transportation Letters: The International Journal of Transportation Research* 2 (2): 63-74, 2010.
89. Shively, Thomas\*, Kockelman, Kara and Damien, Paul. "A Bayesian Semi-parametric Model to Estimate Relationships Between Crash Counts and Roadway Characteristics." *Transportation Research*

- Part B* 44 (5): 699-715, 2010.
90. Lemp, Jason, Kockelman, Kara\* and Damien, Paul. "The Continuous Cross-Nested Logit Model: Formulation and Application for Departure Time Choice." *Transportation Research Part B* 44 (5): 646-661, 2010.
  91. Boyles, Steve, Kockelman, Kara\*, and Waller, Travis. "Congestion Pricing under Operational, Supply-Side Uncertainty." *Transportation Research Part C* 18 (4): 519-535, 2010.
  92. Kakaraparthi, Siva and Kockelman, Kara. "An Application of UrbanSim to the Austin, Texas Region: Integrated-Model Forecasts for the Year 2030." *Journal of Urban Planning and Development* 137 (3): 238-247 (2011).
  93. Lemp, Jason and Kockelman, Kara\*. "Anticipating Welfare Impacts via Travel Demand Forecasting Models: Comparison of Aggregate and Activity-Based Approaches for the Austin, Texas Region." *Transportation Research Record* No. 2133: 11-22, 2009.
  94. Zhou, Brenda and Kockelman, Kara\*. "Lessons Learned in Developing and Applying Land Use Model Systems: A Parcel-based Example." *Transportation Research Record* No. 2133: 75-82, 2009.
  95. Zhou, Brenda, Kockelman, Kara\* and Lemp, Jason. "Applications of Integrated Transport and Gravity-Based Land Use Models for Policy Analysis." *Transportation Research Record* No. 2133: 123-132, 2009.
  96. Wang, Cara and Kockelman, Kara\*. "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas." *Transportation Research Record* No. 2136: 45-56, 2009.
  97. Lemp, Jason and Kockelman, Kara\*. "Understanding and Accommodating Risk and Uncertainty in Toll Road Projects: A Review of the Literature." *Transportation Research Record* No. 2132: 106-112, 2009.
  98. Gadda, Shashank, Kockelman, Kara\* and Damien, Paul. "Continuous Departure Time Models: A Bayesian Approach." *Transportation Research Record* No. 2132: 13-24, 2009.
  99. Wang, Xiaokun and Kockelman, Kara\*. "Bayesian Inference for Ordered Response Data with a Dynamic Spatial-Ordered Probit Model." *Journal of Regional Science* 49 (5): 877-913, 2009.
  100. Kalmanje, Sukumar and Kockelman, Kara\*. "Variations in Toll Road Impacts: Case Studies from Texas." *Journal of the Transportation Research Forum* 48 (2): 5-22, 2009.
  101. Wang, Xiaokun and Kockelman, Kara\*. "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Land Development Change in Austin, Texas." *Papers in Regional Science* 88 (2): 345-366, 2009.
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  103. Zhou, Brenda and Kockelman, Kara\*. "Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes." *Journal of Transport Geography* 17 (5): 369-376, 2009.
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163. Kockelman, Kara\*. “High-Speed Rail for California: A Cost-Benefit Analysis.” *Berkeley Planning Journal* 9: 61-80, 1994.

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164. Lee, Jooyong and Kockelman, Kara\*. “Energy and Emissions Implications of Self-Driving Vehicles.” Under review for publication in *Energy Policy*.
165. Huang, Yantao and Kockelman, Kara\*. “Electric Vehicle Charging Station Location Decisions with Elastic Demand Under User Equilibrium.” Under review for publication in *Transportation Research Part D*.
166. Becker, H., Becker, F., Abe, R., Bekhor, S., Belgiawan, P., Compostella, J., Frazzoli, E., Fulton, L., Garrick, N., Bicudo, D.G., Gurumurthy, K.M., Hensher, D., Joubert, J., Kockelman, K., et al. “Impact of vehicle automation and electric propulsion on production costs for mobility services worldwide” Under review for publication in *Transportation Research Part A*.
167. Gurumurthy, Krishna and Kockelman, Kara\*, “Impacts of Shared Automated Vehicles on Airport Access and Operations, With Opportunities for Revenue Recovery: Case Study of Austin, Texas” Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
168. Huang, Yantao and Kockelman, Kara\*. “How Will Self-Driving Vehicles Affect U.S. Megaregion Traffic? The Case of the Texas Triangle.” Under review publication in *Journal of Transport Geography*.
170. Quarles, Neil and Kockelman, Kara\*. “Americans’ Plans for Acquiring and Using Electric, Shared and Self-Driving Vehicles.” Under review for publication in *Research in Transportation Economics*.

171. Clements, Lewis, Kockelman, Kara\* and Alexander, William. "Technologies for Congestion Pricing." Under review for publication in *Research in Transportation Economics*.
172. Gurumurthy, Krishna, Kockelman, Kara\*. "Modeling Americans' Autonomous Vehicle Preferences: A Focus on Dynamic Ride-Sharing, Privacy & Long-Distance Mode Choices." Under review for publication in *Technological Forecasting & Social Change*.
173. Perrine, Kenneth and Kockelman, Kara. "Anticipating Long-Distance Travel Shifts Due to Self-Driving Vehicles." Under review for publication in the *Journal of Transport Geography*. Li, Weijia and Kockelman, Kara\*, "How Does Machine Learning Compare to Conventional Econometrics for Transport Data Sets? A Test of ML vs MLE" Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
175. Gurumurthy, Krishna Murthy, Kockelman, Kara\*, and Zuniga-Garcia, Natalia. "First-Mile-Last-Mile Collector-Distributor System Using Shared Autonomous Mobility", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
176. Li, Ruohan, Kockelman, Kara\*, and Lee, Jooyong. "Reducing Greenhouse Gas Emissions from Long-Distance Travel Business: How Far Can We Go?" Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
177. Huang, Yantao, Kockelman, Kara\*, et al. "Use of Shared Automated Vehicles for First-Mile Last-Mile Service: Micro-Simulation of Rail-Transit Connections in Austin, Texas", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
178. Yan, Haonan, Kockelman, Kara\*, and Gurumurthy, Krishna Murthy. "Agent-Based Simulation for Shared Autonomous Vehicle Use Across the Minneapolis-Saint Paul Region", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board.
179. Li, Weijia, Kockelman, Kara\* and Huang, Yantao. "Traffic and Welfare Impacts of Credit-Based Congestion Pricing Applications: an Austin Case Study", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
180. Khavarian, Khashayar, and Kockelman, Kara\*, "Life-cycle Analysis of Vertical Take-off and Landing Vehicles", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
181. Lawal, Abiola, and Kockelman, Kara, et al. "The Impact of Vehicle Electrification and Autonomous Vehicles on Air Quality in the United States", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
182. Amodwala, Jugal, and Kockelman, Kara, "Where to First Electrify Bus Transit Routes: Case Study for Austin, Texas", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.
183. Wellik, Tyler, Griffin, Joseph, Kockelman, Kara\*, and Mohamed, Moataz. "Utility-Transit Nexus: Leveraging Intelligently Charged Electrified Transit to Support a Renewable Energy Grid", to be presented at the 99th Annual Meeting of the Transportation Research Board and under review for publication *J of Renewable and Sustainable Energy Review*.
184. Quarles, Neil, and Kockelman, Kara\*, "American's Plans for Acquiring and Using Electric, Shared and Self-Driving Vehicles", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board.
185. Gurumurthy, Krishna Murthy, Auld, Joshua, and Kockelman, Kara\*. "A System of Shared Autonomous Vehicles for Chicago: Understanding the Effect of Geofencing the Service", Under Review for publication in *J of Transportation and Land Use*.
186. Li, Zili and Kockelman, Kara\*, "Modeling Animal-Vehicle Collision Counts Across Large Networking Using a Hierarchical Model with Dirichlet Process", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.

187. Quarles, Neil, Kockelman, Kara\*, and Lee, Jooyong. "America's Fleet Evolution in an Automated Future", Under Review for Presentation at the 99th Annual Meeting of the Transportation Research Board and for Publication in *Transportation Research Record*.

## BOOKS, BOOK CHAPTERS, & BOOK REVIEWS

### Books

1. Kockelman, Kara and Boyles, Stephen (Eds.). *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, Published by CreateSpace on Amazon.com, August 2018. ISBN-10: 0692121501, ISBN-13: 978-0692121504 (436 pages)
2. Kockelman, Kara, Chen, T. Donna, Larsen, Katie A., and Nichols, Brice G. *The Economics of Transportation Systems: A Reference for Practitioners*. Published by CreateSpace on Amazon.com (January 2014) ISBN 978-0-615-71479-0 (316 pages)

### Book Chapters

1. Gurumurthy, Krishna, Kockelman, Kara\* and Loeb, Benjamin. "Sharing Vehicles & Sharing Rides in Real Time: Opportunities for Self-Driving Fleets", Forthcoming chapter in *Advances in Transport Policy and Planning: The Sharing Economy and the Relevance for Transport*.
2. Simoni, Michele, and Kara Kockelman\*, "Vehicles That Drive Themselves: What to Expect With Autonomous Vehicles", Forthcoming chapter in *Encyclopedia of Transit*.
3. Loeb, Ben and Kockelman, Kara\*, "Fleet performance and cost evaluation of a shared autonomous electric vehicle (SAEV) fleet: A case study for Austin, Texas", *Transportation Research Part A* 121: 374-385, February 2019.
4. Simoni, Michele, Kockelman, Kara\*, Gurumurthy, Krishna and Bischoff, Joschka. "Congestion Pricing in a World of Self-Driving Vehicles: An Analysis of Different Strategies in Alternative Future Scenarios." *Transportation Research Part C: Emerging Technologies*, 98, 167-185 January 2019.
5. Li, Tianxin and Kockelman, Kara\*. "Valuing the Safety Benefits of Connected and Automated Vehicle Technologies." Chapter 4 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.
6. Liu, Jun, Kockelman, Kara\* and Nichols, Aqshems. "Anticipating the Emissions Impacts of Autonomous Vehicles Using the MOVES Model." Chapter 10 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.
7. Segal, Marc and Kara Kockelman\*. "Design and Implementation of a Shared Autonomous Vehicle System in Austin, Texas." Chapter 13 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.
8. Ma, Qinglu, Kara Kockelman\* and Segal, Marc. "Making the Most of Curb Spaces in a World of Shared Autonomous Vehicles." Chapter 14 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.
9. Liu, Jun and Kara Kockelman\*. "Preparing Data for Modeling Disaggregated Travel Modes: A Tool for Exploiting Existing Travel Models and Open-Source Data." Chapter 15 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.
10. Kockelman, Kara and Ma, Jianming. "Aggressive Driving and Speeding." Chapter 3 in *Safe Mobility: Challenges, Methodology, and Solutions*, Dominique Lord and Simon Washington (Eds.), Emerald Publishing's Sustainability and Transport Series, Vol. 18: 37-55. 2018.
11. Wang, Y, Kockelman, Kara\* and Damien, Paul. "A Multivariate Spatial Analysis for Anticipating New Firm Counts." *Spatial Econometrics: Qualitative and Limited Dependent Variables, Advances in Econometrics*, Vol. 37: 167-193. 2017.
12. Wang Y., Kockelman K., Jamali A. (2017) A Synthesis of Spatial Models for Multivariate Count Responses. In: Jackson R. & Schaeffer P. (Eds.) *Regional Research Frontiers - Vol. 2. Advances in Spatial Science* (The Regional Science Series). Springer, Cham.

13. Zhang, W., Kockelman, K., and Thill, J-C. City Land Use and Rent Dynamics with Location Externalities and Zoning Regulations. In Thill, J-C. (Ed). *Innovations in Urban and Regional Systems: Contributions from GIS&T, Spatial Analysis and Location Modeling*. Springer, forthcoming. (no page numbers yet)
14. Kockelman, Kara, and Chen, T. Donna. "Transportation Economics." Chapter 25 in *Routledge Handbook of Transportation*, Dusan Teodorovic (Ed.): 378-391, McGraw-Hill, 2015.
15. Tirumalachetty, Sumala and Kockelman, Kara. "The Welfare Implications of Carbon Taxes and Carbon Caps: A Look at U.S. Households." Chapter 4 in *Household Energy: Economics, Consumption and Efficiency*, B. Mendez and J. Pena (Eds.) 2011.
16. Bomberg, Matthew and Kockelman, Kara. "Traveler Response to the 2005 Gas Price Spike." Chapter 3 in *Household Energy: Economics, Consumption and Efficiency*, B. Mendez and J. Pena (Eds) NOVA Science Publishers Inc., 2011.
17. Kockelman, Kara and Zhou, Bin (Brenda). "Transportation and Land Use." Chapter 8 in the *Handbook of Transportation Engineering 2<sup>nd</sup> Edition, Volume I*, McGraw Hill, 2011.
18. Kockelman, Kara. "Traffic Congestion." Chapter 3 in the *Handbook of Transportation Engineering 2<sup>nd</sup> Edition, Volume II*, McGraw Hill, 2011.
19. Bina, Michelle and Kockelman, Kara. "Location Choice vis-à-vis Transportation: The Case of Recent Home Buyers." Chapter 28 in *The Expanding Sphere of Travel Behaviour Research*, Kitamura, R. and T. Yoshii (Eds.): 597-619, Emerald Group Publishing, U.K., 2009.
20. Kockelman, Kara, Browne, Michael, and Leonardi, Jacques. "The Acquisition of Long-Distance Freight Data: Synthesis of a Workshop." 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.
21. Bomberg, Matthew, Kockelman, Kara, and Thompson, Melissa. "GHG Emissions Control Options: Assessing Transportation & Electricity Generation Technologies & Policies to Stabilize Climate Change." Chapter 1 in *Energy Consumption: Impacts of Human Activity, Current and Future Challenges, Environmental and Ecological Effects*, S. Reiter (Ed) NOVA Science Publishers Inc. 2008)
22. Wang, Xiaokun and Kockelman, Kara. "Maximum Simulated Likelihood Estimation with Correlated Observations: A Comparison of Simulation Techniques." Chapter 8 in *Transportation Statistics*, Brian Sloboda (Ed.): 173-189, JD Ross Publications, 2009.
23. Ukkusuri, Satish, Karoonsoontawong, Ampol, Waller, Travis and Kockelman, Kara. "Congestion Pricing Technologies: A Comparative Evaluation." Chapter 4 in *New Transportation Research Progress*, Filip N. Gustavsson (Ed.): 121-142, Nova Science Publishers, 2008.
24. Kockelman, Kara. "Traffic Congestion." Chapter 12 in the *Handbook of Transportation Engineering*, McGraw Hill, 2004.
25. Jara-Díaz, Sergio R. and Kockelman, Kara. "Microeconomic Perspectives on Travel Behavior and Valuation Research." Chapter 14 in *Behavioral Transport Research: The Leading Edge*, D. Hensher (Ed.): 279-287, Pergamon Press, 2002.

### **Book and Report Reviews**

1. Review of T. Wenzel's statistical analysis of NHTSA's *Effects of Vehicle Mass & Footprint Reduction on Safety* report, for the US Environmental Protection Agency, January 2012.
2. Review of Greene & Plotkin's *Reducing Greenhouse Gas Emissions from U.S. Transportation* report for the Pew Center on Global Climate Change, July 2010.
3. Review of Ennio Cascetta's *Transportation Systems Analysis: Models and Applications* textbook for Kluwer/Springer Publishing Company, September 2007.
4. Review of D. Neimeier and J. Utt's Prospectus for *Statistics for Engineers*, for Duxbury Press, 2005.
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 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.
7. Review of Gärling et al.'s (eds.) book *Theoretical Foundations of Travel Choice Modeling*, for *Transportation* 4: 435, 1999.

8. Review of R.H.M. Emmerink's book *Information and Pricing in Road Transportation*, for *Papers in Regional Science* 78: 333-335, 1999.

### OTHER PUBLICATIONS

Op-ed titled "Preparing our Towns and Cities for a Fleet of Self-driving Vehicles," published in *Eno Transportation Weekly*, July 26, 2016. Available at <https://www.enotrans.org/article/preparing-towns-cities-fleet-self-driving-vehicles/>.

Guest blog post titled "Preparing our Towns and Cities for Self-driving Vehicles," published in National League of Cities' CitiesSpeak blog, June 22, 2016. Available at <https://citiesspeak.org/2016/06/22/preparing-cities-and-towns-for-self-driving-vehicles/>.

Article titled "Preparing our Towns and Cities for a Fleet of Self-driving Vehicles," published in *Texas Town & City*, May 2016, pp. 39-41.

Notebook article/Op-Ed piece titled, "Curing Congestion," published in MIT's *Technology Review* magazine, October 24, 2012. <http://www.technologyreview.com/article/429669/curing-congestion/>

### EDITORIAL BOARD ASSIGNMENTS

Member, Editorial Advisory Board, *Transportation Research Part C*, 2016-Present (including co-editorship of Fall 2018 special issue on self-driving and connected-vehicle technologies)

Member, Editorial Board, *Analytic Methods in Accident Research*, December 2012-Present

Member, Editorial Board, *Economics of Transportation*, July 2011-Present

Member, Editorial Advisory Board, *Journal of Transport and Land Use*, May 2007-Present

Associate Editor, *Journal of Regional Science*, June 2004-Present

Member, Editorial Advisory Board, *Transportation Research Part B* (including co-editorship of June 2010 special issue on Bayesian Methods), 2001-2018

Member, Editorial Review Board, *International Regional Science Review*, 2009-2012

Member, Editorial Board, UT's *Undergraduate Research Journal*, September 2005-2009

Member, Editorial Board, *Papers in Regional Science*, February 2005-November 2015

### UNIVERSITY COMMITTEE ASSIGNMENTS

University -	Member, Undergraduate Research Fellowship (URF) Review Committee	2015-2016
	UT Campus Security officer, appointed by President Powers	2014-Present
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	Member, University Shuttle Committee	1998-2004
School -	Member, Hocott Award Selection Committee	2007-2010
	Member, School of Engineering Technical Communication Committee	1999-2000
Departmental -	Member, Awards Committee	2019-2020
	Member, Information Technology Committee	2015-2017
	Member, CAEE Faculty Evaluation Committee	2014-2016
	Chair, CAEE Research Faculty Evaluation Committee	2014-2015
	Member, Undergrad Recruiting & Retention	2012-2014
	Member, Search Committee for Transportation Faculty Position	2010-2011
	Member, Curriculum Committee	2010-2011
	Member, Outreach Committee	2009-2010
	Transportation Area Coordinator, and Member, Advisory Committee	2009-2013
	Member, ABET PO3 Subcommittee	2009-2010
	Member, Awards Committee	2004-2006

Chair, Information Technology Committee	2003-2009
Department Liaison to University Libraries	2001-2010
Member, Computer Use & Policies Committee	2001-2003
Member, Graduate Fellowships, Financial Aid & Recruiting Committee	2001-2002
Graduate Recruiter for Transportation	2001-2002
Member, Graduate Curricula and Policies Committee	1999-2000
Member, Undergraduate Experience Committee	1998-2001

## PROFESSIONAL SERVICE: COMMITTEE ASSIGNMENTS

Member, Global City Data committee member, under the NSF Sustainable Research Network for Healthy Sustainable Cities, 2019-2021.

Member, Technical Program Committee, 2017, IEEE 20<sup>th</sup> International Conference on Intelligent Transportation Systems.

Member, Committee on Emerging and Innovative Public Transport and Technologies (APO20), Transportation Research Board (TRB), April 2016-Present.

Member, Committee on Vehicle-Highway Automation (AHB30), TRB, April 2016-Present.

Member, Committee on Transportation Economics (ABE20), TRB, April 2011-Present.

Member, Committee on Statistical Methods, (TRB ABJ80), 2007-Spring 2017.

Member, Scientific Program Committee, 11<sup>th</sup> Regional Science Assoc. International World Congress, held April 2016, in Istanbul, Turkey.

Member, Federal Highway Administration (FHWA) Air Quality and Congestion Mitigation Measures Outcomes Assessment Study, January – June 2014.

Member, Board of Advisors for the Eno Center for Transportation, January 2014 – Present.

Member, Conference Planning Committee, TRB's Innovations in Travel Demand Modeling Conference (in Baltimore, MD), Fall 2013 – Spring 2014.

Member, Conference Planning Committee and Scientific Committee, World Symposium for Transport and Land Use Research (in Delft, Netherlands), Spring 2013 – Summer 2014.

Panelist, Managed-Lane Modeling Practice Workshop, sponsored by Florida DOT and FHWA's Travel Model Improvement Program (TMIP), Orlando, FL, May 22-23, 2013.

Member, TRB's SHRP 2 Reliability L35 Expert Task Group (T-ETG), for contractor selection and project oversight, on Local Methods for Modeling, Economic Evaluations, Justification, and Use of the Value of Travel Time Reliability (VTTR) in Transportation Decision Making, June 2012-August 2014.

Member, Scientific Committee for International Association of Travel Behavior Research Conference, *The Leading Edge of Behavioral Transport Research*, 2012.

Member, Inaugural Board of the World Society for Transport and Land Use Research, October 2011-2017.

Member, American Society of Civil Engineers' Society Awards Committee, October 2011 – Sept. 2012.

Vice Chair, Organizing Committee, University of Texas/Texas A&M University Electric Vehicle NSF Industry-University Research Center workshop, College Station, TX, October 20, 2010.

Member, Faculty team for NSF Integrative Graduate Education and Research Training (IGERT) program at UT Austin, to address sustainable grid integration of distributed and renewable energy systems, 2010-Present.

Member, Executive Committee, UT Austin & Texas A&M, NSF-sponsored Plug-in Electric Vehicle Industry-University Research Center (IURC), 2010-2015.

Member, Advisory Council on Transportation Statistics (ACTS), Federal advisory committee for the Bureau of Transportation Statistics Research and Innovative Technology Administration (RITA), U.S. Department of Transportation, 2010-2013.

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

Chair, Committee on Travel Survey Methods, which received TRB Technical Activities Council's 2013 Blue Ribbon Committee Award for Travel Survey Manual wiki-site created during 3-year tenure as Committee Chair, 2007-2010.



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

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

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

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

Member, Nominations Committee of the North American Regional Science Council, 2005-2009.

Member, Conference Planning Committee, 50<sup>th</sup>, 51<sup>st</sup>, 52<sup>nd</sup>, 53<sup>rd</sup>, 54<sup>th</sup>, 55<sup>th</sup>, 56<sup>th</sup>, 57<sup>th</sup>, 58<sup>th</sup>, 59<sup>th</sup> and 60<sup>th</sup> Annual North American Meetings of the Regional Science Association International, November 2003 through 2013 (Philadelphia, Puerto Rico, Las Vegas, Toronto, Savannah, Brooklyn, San Francisco, Denver, Miami, Ottawa, and Atlanta).

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

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

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

Member, Committee on Travel Survey Methods (ABJ40), TRB, 2002-2007.

Member, Committee on Traveler Behavior and Values (A1C04(1)), TRB, 2002-2005.

Member, Subcommittee on Integrated Transportation and Land Use Modeling, TRB, 2001-Present.

Panelist, National Science Foundation's Proposal Review Panels, Fall 2001, Spring 2003, Fall 2005, Spring 2006, Fall 2006, Fall 2009, Fall 2012, and Fall 2016.

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

Member, Committee on Transportation and Land Development (ADD30), TRB, 1999-2011.

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

### **OTHER PROFESSIONAL SERVICE**

Hosted Tau Beta Pi Faculty Fireside at Varsity Pizza & Pints restaurant, to enrich undergraduate engineers' experience, by sharing professional experiences and advice, October 25, 2019.

Helped host WEatUT Lunch with an Engineering, sponsored by College's Women in Engineering Program, 2019.

Co-Organizer, Symposium and Workshop on Cyber-Vehicle-Human Harmonization, May 22 & 23, UT Austin, 2019.

Lead organizer, first-ever Bridging Transportation Researchers online conference, to assist those around the world with disseminating their findings while saving carbon & cost, June 2019-January 2020.

Faculty Mentor to Undergraduate Energy Fellow (1 of 15) at UT Austin, 2019-2020.

Examineur member of jury for Reza Vosooghi's dissertation defense, titled Shared autonomous vehicle (Robo-Taxi) service design, modeling and simulation, at Institut de Recherche Technologique SystemX in Paris, France (remote participation), October 2019.

Faculty Volunteer for YOUatUT's high-school camp, organized by UT Austin's Women in Engineering Program (WEP), August 9, 2018.

Assisted Environment Texas with their "Growing Greener" report regarding Austin's CodeNEXT zoning shift to a higher-density infill, October 2017.

Co-organized connected- & automated-vehicle technology demonstrations at the Southwest Research Institute, August 27, 2016.

Organized, led, and presented day-long Smart Transport Symposium for 70 attendees, at UT Austin's Thompson Conference Center, for TxDOT Project 0-6838: Bringing Smart Transport to Texans: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas, August 5, 2016.

Faculty Advisor annually at UT Austin's Women Engineering Program's CREATEatUT "Lunch with an Engineer," 2010-Present.

Helped organize & lead connected-vehicle technology demonstration at the Pickle Research Campus, Dec 7, 2015.

Host of Tau Beta Pi Faculty Fireside at Varsity Pizza & Pints restaurant, to enrich undergraduate engineers' experience, by sharing professional experiences and advice, October 16, 2015.

Panel Member, EcoSXS (South by Southwest) session on *Autonomous Vehicles: Driving City Solutions?*, with co-panelist Austin Mayor Adler, Austin Convention Center, October 7, 2015.

External co-examiner (dissertation committee member) for Patrick Bösch's PhD thesis under the title "Autonomous Cars – The Next Revolution in Mobility" at ETH Zurich, Department of Civil, Environmental and Geomatic Engineering, 2015-2018.

Co-Presenter in UT Austin's Cockrell School of Engineering's Preparing Future Faculty Workshop, *Preparing to Apply for an Engineering Faculty Position*, with Dr. Tom Connolly, April 20, 2015.

Panel Member, EcoSXS (South by Southwest) session on "Beyond the Garage: Collaboration for a Low Carbon Future" Austin Convention Center, October 8, 2014.

Organized, led, and presented day-long Smart Transport Symposium for 65 attendees, at UT Austin's Thompson Conference Center, for TxDOT Project 0-6838: Bringing Smart Transport to Texas: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas, August 20, 2015.

Member, City of Austin's Transportation Network Companies Working Group, July - November 2014.

Dissertation committee University of Toronto's Chris Bachmann, titled "Analyzing the Effect of Emerging Global Trade Patterns on Domestic Freight Systems", Fall 2014.

Dissertation committee for Parmanand Sinha, School of Economic, Political & Policy Sciences, The University of Texas at Dallas; titled "Modeling Land Use Change Using an Eigenvector Spatial Filtering Specification and Sprawl Measures: A Case Study of Collin County, Texas", 2015.

Organized Land-Use Modeling Workshop for the World Symposium for Transport and Land Use Research (in Delft, Netherlands), June 2014.

Panel Member, UT's McCombs School's Business for Good Summit: Energy Panel, Austin, TX, February 25, 2014.

Panel Member, Clean Texas' Smart Cities Workshop, Austin, TX, February 21, 2014.

Judge & Panelist, Graduate and Industry Networking (GAIN) event organized by UT Austin's Graduate Engineering Council, Austin, TX, January 29, 2014.

Mentor for Ms. Shaye Smith, Carnegie Vanguard High School (Junior), participating in the Texas Performance Standard Project (TPSP), with focus on transport technology, October 2013 – June 2014.

Invited Visiting Professor, Stanford University, Stanford, CA, September – December 2013.

Invited contributor (and opening day Mentor) to Women in Technology Sharing Online (WitsOn), a massive open online course (MOOC) to encourage women to pursue STEM careers, October 2012.

Invited expert reviewer for the Intergovernmental Panel on Climate Change Working Group III's (Mitigation of Climate Change) first-order draft, with a focus on Chapter 8, Transportation, September 2012.

Member, Faculty Panel, Cockrell School of Engineering Undergraduate Research Forum, April 12, 2012.

Judge, Cockrell School of Engineering, 2nd Annual Undergrad. Research Poster Exhibition, April 11, 2012.

Founding Member and Member of Board of Directors, RideScout (Going My Way dynamic ridesharing smartphone app), 2012 – Present.

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

Organized User Workshop titled "A Toolkit to Evaluate (and Compare) the Benefits of Operational Improvements and Capacity Additions", for TxDOT and Texas MPO personnel, July 11, 2011.

Member, Academic Job Search & Preparation Seminar Committee for Cockrell School of Engineering Graduate Students, sponsored by the Graduate Engineering Council, University of Texas, March, 2011.

Faculty Advisor to U.T. Chapter of the Women's Transportation Seminar (WTS) - Heart of Texas Chapter, March 2011-2013.

Member, Transportation Electrification Panel, Sponsored by Indiana University's School of Public and Environmental Affairs, producing report "Plug-in Electric Vehicles: A Practical Plan for Progress" (available at [http://www.indiana.edu/~spea/pubs/TEP\\_combined.pdf](http://www.indiana.edu/~spea/pubs/TEP_combined.pdf)), 2010-2011.

Organized User Workshop titled "Comprehensive Evaluation of Competing Projects: A Toolkit for Sketch Planning", for presentation of TxDOT project 0-6235's project evaluation toolkit, as part of the 2010 Texas Department of Transportation Planning Conference, Lost Pines, Texas, June 30, 2010.

Co-Editor of *Transportation Research Part B* Volume 44, Issue 5, on Bayesian Methods, coordinating the efforts and manuscripts of 7 authors, with Dr. Paul Damien, June 2010.

Member, Expert Panel, FHWA Workshop on Multimodal Inter-Regional Passenger Travel Demand, University of Maryland, January 14, 2010.

Coordinator and Editor of the online (and wiki-editable) *Travel Survey Manual*, a product of the Transportation Research Board's Travel Survey Methods Committee; available at <http://www.travelsurveymethods.org/>, 2009-2010.

Moderator, WTS Professional Development Seminar Panel titled "Rail Opportunities, Perspectives and Trends," Austin, TX, September 9, 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.

Organized and conducted a 1.5-day workshop on Integrated 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.

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

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

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.

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

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

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

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

Founding Member, Austin Carshare ([www.austincarshare.org](http://www.austincarshare.org)), July 2006.

Advisor to the El Paso, Texas Metropolitan Planning Organization, April 2006-2009.

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

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

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

Organized & sponsored Peace Corps information meeting for U.T. Students, featuring 5 speakers. U.T. campus, Austin, TX, Spring 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, October 2003.

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

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

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.

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

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

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

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

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

Outside Reviewer for Papers submitted to various journals, including: *Transportation Research (Parts A, B, C & D)*, *Transportation Science*, *Transportation*, *Transportation Planning & Technology*, ASCE's *Journal of Transportation Engineering* and its *J of Urban Planning and Development*, *Journal of the American Planning Association*, *International Journal of Operations and Quantitative Management*, *Annals of Regional Science*, *Journal of Regional Science*, *Transport Policy*, *J of Transport Geography*, *Journal of the Transportation Research Forum*, *J of Regional Science*, *Papers in Regional Science*, *Journal of Planning Literature*, *Urban Studies*, *Accident Analysis & Prevention*, *Geographical Analysis, Environment & Planning*, *Journal of Industrial Ecology*, *Energy Policy*, *Computers Environment and Urban Systems*, *Journal of Transportation and Land Use*, *Computer-Aided Civil and Infrastructure Engineering*, *Transportation Research Record*, and *Research in Transportation Business & Management*.

Outside Reviewer for Proposals submitted to various agencies, including: National Science Foundation's Engineering & Geography Divisions and PIRE & CAREER Programs, University of California Transportation Center (UCTC), Georgia Tech UTC, U.S. Environmental Protection Agency (EPA), Hong Kong's CERG System of Research Grants Council, U.S. Army Corps of Engineers Engineer Research and Development Center (ERDC), 2003-Present.

Outside Reviewer for Papers submitted to various conferences, including: multiple Transportation Research Board (TRB) Committees (e.g., Travel Behavior Modeling; Transportation & Land Development; Traffic Flow Theory and Characteristics; Passenger Travel Demand Forecasting; Travel Survey Methods; Transportation Network Modeling; Economics; Congestion Pricing; Pedestrians; Safety Data, Analysis and Evaluation; Taxation and Finance; and Subcommittee on Integrated Transportation and Land Use Modeling); World Symposium on Transportation-Land Use Research (WSTLUR); International Assoc. of Travel Behavior Research (IATBR); World Conference on Transportation Research; International Symposium on Transportation and Traffic Theory (ISTTT); World Conference on Intelligent Transportation Systems; 1997-Present.

## **OTHER PROFESSIONAL HIGHLIGHTS**

Keynote speaker, "Exciting Times for Electric Vehicles." Delivered at Insights on Canada's Transition to Electric Mobility workshop, held at McMaster University's business school, Burlington, Canada, Nov. 29, 2018.\*

Seminar on "Anticipating a World of Automated Transport: Cost, Energy, and Urban System Implications," at McMaster Institute for Transportation and Logistics, Hamilton, Canada, November 30, 2018.\*

Keynote speaker, "Autonomous Vehicles are Here: Are We Ready?" 50<sup>th</sup> Anniversary Celebration for Department of Computer Science, at University of Houston, TX, October 20, 2018.\*

Invited expert presenter on "Anticipating a World of Automated Transport: Cost, Energy, and Urban System Implications," for US Federal Highway Administration, Texas Division, October 25, 2018.\*

Panelist, Society of Actuaries Expert Panel on Autonomous Vehicles, Face-to-Face meeting, Chicago, IL, August 23, 2018.

Invited keynote presenter for 16th annual Spatial Econometrics workshops held in Dijon, France, May 24-25, 2018. Declined due to busy schedule and carbon emissions.

Attended NSF Research Coordination Network workshop on Sustainable Cities, Minneapolis, MN, August 25-29, 2017.

Invited expert presenter on the potential future environmental impacts of autonomous vehicles for Environmental Defense Fund's Science Days for Board and Staff, San Francisco Bay Area, Feb 7, 2017. Declined due to busy schedule.

Invited panelist at the 2017 ARPA-E Energy Innovation Summit, hosted by the U.S. Department of Energy's Advanced Research Projects Agency – Energy (ARPA-E). February 27 – March 1, 2017. Declined due to busy schedule, and save carbon emissions.

Invited expert panelist on new and innovative transportation solutions for Austin, by AngelouEconomics luncheon, Austin, TX, December 8-9, 2016. Declined due to busy schedule.

Invited speaker, at annual Bond Buyer Transportation/P3 Conference, to discuss topics related to transportation and public/private project finance, November 16-18, 2016. Declined due to busy schedule.

Presented to NSF SRN team about our survey work (over 1,400 Americans, on the question of self-driving and electric vehicle adoption rates and use levels, shared AV use, ride-sharing, etc.), November, 29, 2016.\*

Testbeds and Theme 3 presentation related to NSF Sustainable Cities SRN research project, 5+ campuses, and 20-60 people, May 3, 2016.\*

Attended Shared-Use Mobility Summit, San Francisco, CA, October 10-11, 2013.

Attended 2013 UrbanSim User Meeting at the offices of the Metropolitan Transportation Commission, Oakland, CA, August 22-23, 2013.

Invited panelist, Society of Women Engineers Graduate Committee Panel titled “Dress for Success,” Austin, TX, November 13, 2012.\*

Attended 2011 Annual Conference of the Academy of Medicine Engineering and Science of Texas (TAMEST), Hyatt Regency, Austin, TX, January 6-7, 2011.

Invited to serve on the nation's Nuclear Waste Technical Review Board (for technical oversight of the U.S. Department of Energy's programs to manage, transport, and dispose of commercial and defense nuclear waste). November 2010. Declined due to busy schedule.

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.\*

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

Invited Panelist for “Teaching Your First Course: Balancing Teaching and Research.” UT Austin's Negotiating the Ideal Faculty Position Workshop for Women (graduate students and post-doctoral fellows) in Engineering, October 21, 2004.\*

Attended 3<sup>rd</sup> Oregon Symposium on Integrated Land Use and Transport Models, Portland, OR, July 23-25, 2002.\*

Attended *Technology Review's* Top 100 Innovators Symposium and Awards Ceremony as honoree, Cambridge, MA, May 22-24, 2002.\*

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

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

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

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

## **INTERVIEWS & MEDIA EVENTS/MENTIONS**

Over 200 interviews by members of national, international and local news media (television, radio and print) since 1999. Examples of these are as follows:

1. Interviewed by LinkedIn video producer Stephen Valdivia on 2019's Top US Startups involving transportation August 15, 2019.
2. Interviewed by John Sharp with Alabama Media Group regarding tolling questions for I-10 across Mobile AL's bay, August 15, 2019.
3. Interviewed by Katya Schwenk with StateScoop regarding AV shuttles, August 6, 2019.

4. Filming in office with Scott Ellison for documentary titled “Trains of Thought”, August 6, 2019.
5. Interviewed by Melanie Torre with CBS Austin on the history of IH35. July 31, 2019.
6. Interviewed by Chris Teale with Industry Dive business journal for story titled “Uber’s new congestion pricing report for Seattle’s application, with emphasis on equity.” July 29, 2019.
7. Interviewed by Ariana Giorgi, Computational Journalist with The Dallas Morning News regarding traffic safety around Dallas, July 29, 2019.
8. Interviewed by Madeleine Ngo with Dallas News regarding census undercount and its effect on Texas project funding, July 21, 2019.
9. Axios Expert Voices op-ed by KK on CBCP, via Naomi Shavin on Dynamic ride-sharing, Shifts away from high-mpg vehicles, and Animal Vehicle Collision warnings on navigation maps, June 14, 2019.
10. Forbes article “Autonomous Vehicles: To Park Or Not to Park?” By Raphael Gindrat, quoting KK & referring to her SAV work, June 6, 2019. Interviewed by Aaron Kunkler with Sound Publishing writing on the environmental impacts of AV’s, May 16, 2019. Panelist on KVUE’s hour-long Digital Transportation Town Hall, live with head of CapMetro, CAMPO, CTRMA, TxDOT Engineering, & Austin’s Mayor Pro Tem, May 14, 2019.
13. Interviewed by KVUE anchor Jenni Lee & her colleagues for online story about TNCs causing congestion in downtowns, based on recent SF story, May 14, 2019.
14. Interviewed by Hugo Chavez Montes with Univision TV regarding Austin traffic, May 6, 2019.
15. Phone interview by Victor Luckerson with The Ringer about AV tech not being ready for TNCs, April 25, 2019.
16. Interviewed by Wall Street Journal’s Jason Bellini regarding HSRail project viability, April 2, 2019.
17. Interviewed by producer Mark Hudspeth with CBS news Sunday Morning program regarding traffic congestion, April 1, 2019.
18. Interviewed Mitch Waldrop regarding the proceedings of the National Academies of Science article on sustainable and resilient cities, April 1, 2019.
19. Interviewed by Emily Hernandez with the Daily Texan regarding Marie Romano’s squirrels of UT yearbook, March 26, 2019.
20. Interviewed by Bethanie Hestermann with *Connected World Magazine* regarding 5G connectivity and AVs.
21. Recorded interview by Maurizio Marcotulli for podcast in UT’s Engineering Magazine, *The Vector*, on Urban Transportation, in 4-part series on the Future of Cities, March 13, 2019.
22. Interviewed by editorial Fellow at StateScoop in DC, Betsy Foresman, regarding AV legislation allowing AVs on public roads expected to be signed in Utah, March 8, 2019.
23. Interviewed by KVUE anchorwoman Jenni Lee again about INRIX congestion score of Austin vs other US cities, February 13, 2019.
24. Interviewed by Commerce TX KETR Public Radio (local NPR station) host Scott Morgan to talk about rural traffic fatalities, February 7, 2019.
25. Interviewed by KVUE Anchorwoman Jenni Lee regarding HSR for HOU-DAL & SAN-AUS-HOU, February 5, 2019.
26. Interviewed by Elmer Aguardado with Marketscale regarding Marketscale’s Transportation Podcast on cell phones & other devices for car & AV safety, January 31, 2019.
27. Interviewed by Marketscale’s Daniel Litwin about Uber’s Jump scooter business decision, January 22, 2019.
28. Interviewed by Adam Hammons with CBS Austin in person regarding story on congestion pricing in CBD/downtown, December 19, 2018.
29. Interviewed by Scott Ellison for transportation documentary at Fairmont hotel overlooking IH35, January 9, 2019.
30. Interviewed by Mr. Mendez with Austin Statesman regarding Austin crash deaths, December 4, 2018.
31. Interviewed by KUT’s morning newscaster Joseph Leahy for radio interview in office regarding why PMPK traffic worse than AM (on MoPac both dirxns), along with cbc, etc., December 3, 2018.

32. Interviewed by Paul Cobler with Austin Statesman regarding B-cycle's sales losses as dockless bikes (& scooters) came to Austin, & how transit agencies can survive in face of so many other travel options, November 7, 2018.
33. Interviewed by Nina Bai of *Time Out* magazine regarding the future of self-driving vehicles in San Francisco as part of the "Future Cities" issue, October 9, 2018. Article at <https://www.timeout.com/san-francisco/news/driverless-cars-could-become-a-reality-in-san-francisco-by-2023>.
34. Interviewed by Daniel Litwin of the MarketScale podcast, regarding Shared, Automated and Electric Vehicles and other emerging transportation changes, August 28, 2018.
35. Interviewed by Roxanne (Yanchun) Liu of NWU's Medill News Service regarding Waymo's use of self-driving vehicles, August 6, 2018.
36. Interviewed by KUT90.5's Mose Buchele for radio broadcast regarding Austin's land use controls, population and jobs densities, energy use, and environmental implications, August 2018.
37. Interviewed and filmed by French team for European Union documentary about self-driving vehicles impacts, August 2018. To be aired in multiple EU markets.
38. Interviewed by Sara Robberson of the Tumble Science Podcast for Kids, July 20, 2018.
39. Interviewed by Melissa Repko of The Dallas Morning News regarding future AV ownership, June 27, 2018.
40. Interviewed by Aarian Marshall of WIRED about how and when autonomous vehicles will affect the American labor market, June 12, 2018.
41. Interviewed by Travis Bubenik of Houston Public Media regarding IEA's report on EVs, May 30, 2018.
42. Interviewed by CNN Technology's Kaya Yurieff regarding the vetting of Uber drivers, for safety reasons, March 23, 2018.
43. Interviewed by the Texas Standard's Michael Marks regarding Uber pedestrian deaths in Arizona, March 20, 2018.
44. Interviewed by Jack Craver of the Austin American Statesman regarding improvements to Austin's transportation infrastructure, March 20, 2018.
45. K12 Engineering Education Podcast (35 min), titled "Autonomous Vehicles, Now and Later," with Pius Wong. March 13, 2018. Available at <https://soundcloud.com/piuswong/autonomous-vehicles-now-and-later>.
46. Interviewed by Ira Flatow of NPR as part of their Science Friday segment (17.3 min), December 14, 2017. Available at <https://www.sciencefriday.com/segments/steering-toward-greener-transportation/>.
47. Interviewed by Max Gorden of Spectrum News on the pros and cons of tolls roads, and its potential to fix Texas' traffic woes, November 21, 2017.
48. Interviewed by Tristan Cleveland of Metro Canada regarding key regulatory changes necessary to ensure self-driving cars create socially beneficial outcomes, November 8, 2017.
49. Interviewed by Science News' Maria Temming about policymakers enabling early HAV adoption to save more lives, November 7, 2017.
50. Interviewed by Mindy Fetterman of Stateline News, regarding AVs' effects on city parking, October 17, 2018.
51. Interviewed by Jeff Inglis of The Conversation, regarding development of autonomous vehicles, October 17, 2018.
52. Interviewed by Lilly Rockwell of the Austin American Statesman on Census data indicating that more people in Austin work from home than any other large metro area, October 4, 2017.
53. Interviewed by Fred Fishkin of Smart Driving Cars Podcast on connected and autonomous vehicles, September 11, 2017.
54. Interviewed by Tracy Staedter, of HowStuffWorks regarding VTOL lithium planes, September 11, 2017.
55. Interviewed by Tom Vanderbilt of Car & Driver about, "How safe is safe enough?" for consumers to embrace SDVs, July 26, 2017.

56. Interviewed by Victor Luckerson of The Ringer regarding Uber & Lyft returning to Austin, TX, May 30, 2017.
57. Interviewed by David Perlman of the U.S. DOT Volpe Center regarding autonomous vehicles and their effects on stakeholders, April 17, 2017.
58. Interviewed by Sydney Mahl of The Daily Texan regarding business and land change uses along Guadalupe Street, March 22, 2017.
59. Interviewed by KLBJ 590's Mark & Charlie regarding expectations upon reaching level 5 of vehicle autonomy, March 20, 2017.
60. Interviewed by Adam Hammons of CBS Austin News about autonomous vehicles, March 10, 2017.
61. Interviewed by Matt Kempner of The Atlanta Journal-Constitution regarding the potential impact of self-driving cars on the parking industry, March 9, 2017.
62. Interviewed by The Vancouver Sun's Joanne Lee-Young regarding the impact of Uber and its effect on public transportation, March 8, 2017.
63. Interviewed by Ruth Redaer of Fast Company regarding AVs for freight and self-driving vehicle testing at UT, March 6, 2017.
64. Interviewed by The Wall Street Journal's International edition by Catherine Bolgar regarding autonomous vehicles, February 21, 2017.
65. Interviewed by ICF's Tim Storer regarding CAVs and SAVs and their effects on future investment decisions, January 26, 2017.
66. Interviewed by CNN's Matt McFarland regarding taxi cab drivers in upstate NY wanting to ban AV implementation, January 9, 2017.
67. Interviewed by KXAN's Brian Collister regarding roadway and vehicle design as safety factors, January 4, 2017.
68. Interviewed by NPR's Nova Next journalist Tim Chant regarding (shared) autonomous electric vehicles and their potential to trim greenhouse gas emissions, December 5, 2016.
69. Invited to speak at Brookings Institution event in Washington D.C. on ride-sharing (declined due to busy semester/finals week/long travel for one day event).
70. Interviewed by Catherine Bolgar, a freelance writing working with Wall Street Journal Custom Studios, a division of the Wall Street Journal advertising department, for a series about innovation and technology, called 3D Perspectives, on behalf of Dassault Systèmes, Nov 3, 2016.  
<http://perspectives.3ds.com>
71. Interviewed by Patrick Sisson of Curbed about market dynamics, and how the market for ride-hailing may change with new competition, Oct 26, 2016.
72. Interviewed by David Smith of UK's Tolltrans magazine about cell phone apps and their potential to replace toll tags, Oct 16, 2016.
73. Interviewed by Henry Grabar of Slate about how AVs might change the fabric of the city, Oct 11, 2016.
74. Interviewed by Mark Harris of Science Magazine on Benefunder, Oct 2016.
76. Interviewed by Michael Marks of KUT's Texas Standard about consumer attitudes toward driverless cars, September 26, 2016.
77. Interviewed by Chris Mooney of Washington Post about RMI's report on SAEVs and the potential market in Austin, September 22, 2016.
78. Interviewed by David Gould of Bloomberg News about driverless vehicles, September 6, 2016.
79. Interviewed by Ron Geraci of Bloomberg Businessweek about evolving automobile technology, September 6, 2016.
80. Interviewed by Adam Hammons of KEYE (Channel 36) TV about the City of Austin's new mobility bond and how that bond may affect Austin travel, August 11, 2016.
81. Interviewed by Jeremy Hsu of Discover magazine about autonomous taxis, August 12, 2016. Available at <http://blogs.discovermagazine.com/lovesick-cyborg/2016/08/12/2970/#.V7cyORJmrzI>.
82. Interviewed by Jeremy Hsu of Discover magazine about self-driving vehicles, July 28, 2016. Available at <http://blogs.discovermagazine.com/lovesick-cyborg/2016/07/28/2846/#.V9m0nDVMouZ>.
83. Interviewed by Priya Anand of BuzzFeed about ridesharing in Austin, Texas, August 3, 2016.



84. Interviewed by Evan Dashevsky of PCMag.com about autonomous vehicles, June 1, 2016 (digital edition tentatively planned for September).
85. Interviewed by Amanda Salinas on Fox's Good Day Austin on the topic of "Easing Austin's Traffic Woes", May 11, 2016.
86. Interviewed by Selena Larson of The Daily Dot about driverless cars potential to change human behavior and increase debauchery, May 5, 2016.
87. Interviewed by James Osbourne of the Houston Chronicle, about evolution of autonomous vehicles, April 22, 2016.
88. Interviewed by Ronald Bailey of Reason about the future of self-driving cars, March 31, 2016.
89. Interviewed by Forrest Milburn of the Daily Texan about Austin Metro, March 29, 2016.
91. Interviewed by Rudy Lee of Reader's Digest about Future of Parking article from Mother Jones, to be published in the Canadian edition of Reader's Digest, March 28, 2016.
92. Interviewed by Adam Hammons of KEYE TV about self-driving vehicles in Austin, March 15, 2016.
93. Reference in TIME Magazine article "The Increasingly Compelling Case for Why You Shouldn't be Allowed to Drive" to Eno report with Dan Fagnant "Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations", 52-57, March 7, 2016.
94. Interviewed by Patrick Sisson of Curbed about driverless cars and how they will influence and change urban design, February 24, 2016.
95. Interviewed by T.R. Witcher of NPR's Desert Companion about potential implications of Las Vegas strip's new parking policy, February 10, 2016. Article available at <https://knpr.org/desert-companion/2016-02/business-space-invaders>.
96. Interviewed by Troy Wolverton of San Jose Mercury News about the potential changes as a result of self-driving cars, February 10, 2016.
98. Interviewed by Brian Dowling of the Boston Herald about how self-driving cars will change cities, January 22, 2016.
99. Video interview by University of Nebraska at Omaha's Melanie Kiper on behalf of the U.S. DOT Federal Highway Administration for the 2016 Fast Forward publication series, January 14, 2016.
100. Interviewed on Oct. 23, 2015, by Clive Thompson for Mother Jones magazine about how self-driving cars will affect mobility, emissions, and demand for parking. Published in "No Parking Here" article in Jan/Feb 2016 issue: <http://www.motherjones.com/environment/2016/01/future-parking-self-driving-cars>.
101. Germany's Heise.de interviewed Donna Chen while at TRB 2016 regarding her shared research with Kara Kockelman and Josiah Hanna on SAEVs. Posted online (in German) January 21, 2016.
102. Interviewed by KXAN TV's Kate Weidaw re. Austin City Council's upcoming vote on fingerprint background checks for TNCs (like Uber and Lyft), December 16, 2015.
103. Interviewed by Aaron Sankin of the Daily Dot, re. self-driving cars' effects on urban environments, December 15, 2015.
104. Interviewed by Fiona Stoltes for Leader's Edge (the Council of Insurance Agents and Brokers' magazine: <http://leadersedgemagazine.com/>) about how autonomous vehicles, Uber, the sharing economy, and other developments are affecting the auto industry & fleet insurance, December 14, 2015.
105. Interviewed by Joy Diaz for radio show Texas Standard airing on every NPR station in Texas about pedestrian deaths and the role of pedestrian bridges, November 25, 2015.
106. Interviewed by Rachel Steinkamp for UT School of Journalism's Texas Newswatch about Austin congestion, in response to I-35 being named the most congested roadway in Texas, November 13, 2015.
107. Interviewed by Joseph Baucum for the Galveston County News re. motorist crash frequencies, October 29, 2015.
108. *The Economist*. The World IF interviewed former graduate student and co-author, Dan Fagnant, regarding our research on autonomous vehicles for an article titled "What If Autonomous Vehicles Rule the Word: from Horseless to Driverless." October 2015.

109. Interviewed by Eva Kaplan-Leiserson for the National Society of Professional Engineers' PE Magazine, about practical considerations such as protecting the public health/safety/welfare, ethics, and how autonomous vehicles will impact infrastructure, October 2015.
110. Interviewed by Lauren Young for IEEE Spectrum's "Google's Self-Driving Cars Roam Roads in Texas" article, September 1, 2015. Available at [http://spectrum.ieee.org/cars-that-think/transportation/self-driving/googles-selfdriving-cars-roam-roads-in-texas/?utm\\_source=carsthatthink&utm\\_medium=email&utm\\_campaign=090215&utm\\_campaign=cmp\\_453573&utm\\_medium=email&utm\\_source=getanewsletter](http://spectrum.ieee.org/cars-that-think/transportation/self-driving/googles-selfdriving-cars-roam-roads-in-texas/?utm_source=carsthatthink&utm_medium=email&utm_campaign=090215&utm_campaign=cmp_453573&utm_medium=email&utm_source=getanewsletter).
111. Interviewed by The Daily Texan for an article about pedestrian crashes in Austin, October 8, 2015.
112. Interviewed by The Daily Texan's Mubarrat Choudhury for "Google self-drive technology is the future for UT commuters" article, September 8, 2015. Available at <http://www.dailytexanonline.com/2015/09/09/google-self-drive-technology-is-the-future-for-ut-commuters>.
113. Interviewed by Brooke Kansier for Great Lakes Echo regarding the environmental impacts of driverless cars, August 8, 2015.
114. Interviewed by John Kiernan of WalletHub.com for the "Ask the Experts" section of his and Alina Comoreanu's "Strictest and Most Lenient States on Speeding and Reckless Driving" on July 21, 2015. Article at <http://wallethub.com/edu/strictest-and-most-lenient-states-on-speeding/14211/#kara-kockelman>.
115. Interviewed by Casey Claiborne of FOXTV regarding Google's new driverless vehicles in Austin, Texas on July 7, 2015.
116. Interviewed by Dale Forbis of KTRH Radio in Houston regarding autonomous vehicles in Texas, on March 19, 2015.
117. Interviewed by Texas Tribune's Aman Batheja, regarding regulation of autonomous vehicles in Texas, on March 10, published March 18, 2015.
118. KXAN TV-news interview by Kevin Schwaller, regarding Lyft & Uber services during Austin's SxSW festival, on March 9, 2015.
119. Interviewed by Bloomberg News' Isaac Arnsdorf, regarding the long-term energy impacts of AVs, via behavioral changes in travel, on Feb. 18, 2015.
120. Interviewed by KUT's (local NPR station) Terence Henry regarding Gas Tax budget diversions in Texas, January 15, 2015.
121. Interviewed by KXAN's Kevin Schwaller for televised evening news story regarding integrated corridor management plans for crashes on major corridors, December 11, 2014.
122. Interviewed by Wall Street Journal's Andrew Tangel regarding road-toll collection policies on December 9, 2014.
123. Interviewed by Rudy Koski of FOX News 7 regarding falling gasoline prices, December 4, 2014.
124. Interviewed by KVUE TV's Amber Downing, for a news story on Dr. Kockelman's & Dan Fagnant's shared autonomous vehicles research, December 2014.
125. Interviewed by Forward MSCI's Ed Newton titled "My Chauffeur, the Robot. Why it's time to take driverless cars seriously" on Dr. Kockelman's AV work, November 25 & December 10, 2014, published on March 12, 2015 (at <http://forward.msci.org/my-chauffeur-the-robot>)
126. IEEE Spectrum's Philip Ross wrote an online article ("Robotic Taxis Could Slash Fares in Austin, Texas") about Dr. Kockelman's dynamic ride-sharing and SAV research with Dan Fagnant, November 21, 2014. ([http://spectrum.ieee.org/cars-that-think/transportation/self-driving/robotic-taxis-could-slash-fares-in-austin-texas?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A+IeeeSpectrum+\(IEEE+Spectrum\)](http://spectrum.ieee.org/cars-that-think/transportation/self-driving/robotic-taxis-could-slash-fares-in-austin-texas?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+IeeeSpectrum+(IEEE+Spectrum)))
127. Interviewed by Austin Monitor on KOOP radio station, with Tyler Winston and City of Austin staff, regarding Austin's Transportation Network Companies regulations, Nov. 18, 2014.
128. Dr. Kockelman's paper with Dan Fagnant on shared autonomous vehicle results noted in Yahoo! Tech article, titled "Your Car May be Programmed to Kill You – and 9 More Fun Facts About Self-Driving

- Vehicles,” November 10, 2014. (<https://www.yahoo.com/tech/your-next-car-may-be-programmed-to-kill-you-and-9-102044547399.html>)
129. Interviewed by Owen Poindexter for an article in Future Structure regarding the future of self-driving vehicles in the U.S., November 6, 2014.
  130. Interviewed by KLRU’s (Austin’s public TV station) Blair Waltman-Alexin on November 6, 2014, regarding the defeat of Proposition 1, for rail investment in central Austin. Aired Saturday November 8 and News Brief posted November 7 at <http://www.klru.org/blog/2014/11/klru-news-brief-austin-transportation-bond-fails-now-what/>
  131. Interviewed by Tyler Whitson of the Austin Monitor, regarding the City of Austin’s Working Group for TNC Policies (Uber & Lyft) and later mentioned in article titled “Long Road Ahead for TNC Ordinance” (at <http://www.austinmonitor.com/stories/2014/11/long-road-ahead-rideshare-ordinance/>)
  132. Interviewed by Kylie Fitzpatrick for an article in The Daily Texan regarding Dr. Kockelman’s 2014 Google Research Award, October 6, 2014. <http://www.dailytexanonline.com/person/kara-kockelman>
  133. Dr. Kockelman’s research on shared autonomous vehicles written up as focus of an article at Govtech.com, titled: “Research: How to Eliminate 90 Percent of Vehicle Traffic”, Sept. 9, 2014. <http://www.govtech.com/transportation/Research-How-to-Eliminate-90-Percent-of-Vehicle-Traffic.html>
  134. Article on UT Austin tumblr site, regarding Kockelman’s 2014 Google Research Award. August 29, 2014. [http://utaustin.tumblr.com/post/98729284154/google-funds-three-ut-austin-projects-google-has?utm\\_source=twitter&utm\\_medium=referral&utm\\_campaign=UTAustinSocial](http://utaustin.tumblr.com/post/98729284154/google-funds-three-ut-austin-projects-google-has?utm_source=twitter&utm_medium=referral&utm_campaign=UTAustinSocial)
  135. Interviewed by Kara Miller on Innovation Hub, a national radio show from WGBH (Boston) for a segment titled “Big Idea”, regarding traffic, credit-based congestion pricing and tolling to alleviate congestion, aired June 28, 2014.
  136. Interviewed by KUT Radio’s David Brown, regarding autonomous vehicles (titled “Use a self-driving car with no wheel; Google bets you will”), June 4, 2014.
  137. Interviewed first by Laurent Peter and then Lisa Fletcher (live TV) on Al Jazeera America’s Consider This program, regarding autonomous vehicles, June 2, 2014. <https://www.youtube.com/watch?v=pveg4CwSexE>
  138. Interviewed by Gabe Nelson, for Automotive News, regarding Google’s new self-driving vehicle for shared fleet use, May 28, 2014.
  139. Interviewed by KUT Radio’s Kate McGee and Austin American Statesman reporter Eric Dexheimer regarding the 2014 Austin SXSW crash incident and pedestrian safety, March 13, 2014.
  140. Interviewed by KUHF Radio’s Edel Howlin during the Houston Matters program, regarding pedestrian safety and comparisons between studies of Austin and Houston transportation issues, March 12, 2014.
  141. Interviewed for NPR Radio’s Here and Now program, by Jeremy Hobson, regarding transportation infrastructure finance, February 28, 2014, for airing March 3, 2014.
  142. Interviewed by Catherine Mao, reporter for the international desk of the Hong Kong Commercial Daily, regarding U.S. use of toll roads and congestion pricing, February 10, 2014.
  143. Interviewed by Eric Jaffe for The Atlantic, regarding shared autonomous vehicles, dynamic ride-sharing and congestion pricing, February 7, 2014.
  144. Interviewed by Laurent Peter in advance and then Lisa Fletcher (live TV) on Al Jazeera America’s Consider This program, regarding autonomous vehicles, December 10, 2013. <http://america.aljazeera.com/watch/shows/consider-this.html>
  145. Interviewed by Brazilian journalist Marco Zanni for Editora Globo / Revista Galileu Magazine regarding the impacts of autonomous vehicles on infrastructure and travel behaviors, November 5, 2013.
  146. Interviewed by Charles Piller, Senior Writer for The Sacramento Bee, regarding traffic demand modeling and freeway expansion choices in California, October 28, 2013.
  147. Interviewed by Laura Mallonee for The Atlantic, regarding Austin, TX’s transportation and land use systems, October 13, 2013.
  148. Interviewed by David Talbot (chief correspondent) for MIT’s Technology Review regarding the U.S. Department of Transportations’ newly released autonomous vehicle policy, June 3, 2013.

150. Interviewed by KVUE TV's Kris Betts and KUT Radio's Laura Rice about the Moody's downgrade of CINTRA's SH130 tollway, May 29, 2013.
151. Interviewed by David Talbot (chief correspondent) for MIT's Technology Review regarding use of (anonymized) cell-phone data for improving transit delivery decisions, April 26, 2013.
152. Interviewed by Gail Delaughter, Transportation Reporter for KUHF Houston Public Radio (for news piece to air on 4/29/13) regarding recent CDC article on motor vehicle traffic-related pedestrian deaths in the U.S. during 2001-2010, April 24, 2013.
153. Interviewed by New York Times Magazine columnist Pagan Kennedy, for column titled "Who Made That," about the history of motorcades and how autonomous vehicle platoons could change the built environment, April 9, 2013.
154. Interviewed by Frederic Filloux for The Guardian and for Les Echos' (France's largest business news provider) regarding systems and infrastructure renovation needed for future accommodation of autonomous vehicles, March 18, 2013. <http://www.guardian.co.uk/technology/2013/mar/18/google-driverless-cars-data-monday-note>
155. Interviewed by FOX affiliate KTBC's Ann Wyatt Little for FOX 7 News about the RideScout dynamic ride-sharing program, March 7, 2013.
156. Interviewed by FOX affiliate KTBC's Keri Bellacosa for Good Morning Austin program, on the importance of transportation research, aired on March 5, 2013.
157. Interviewed by Jessica Sinn for the UT College of Liberal Arts, Office of Public Affairs' alumni magazine, Life & Letters, Spring 2013 issue, on the rapid changes in Austin, specifically traffic congestion, February 18, 2013.
158. Interviewed by Frederic Filloux, general manager for Les Echos in Paris, (France's largest business news provider) regarding the role of autonomous vehicles in the economics of the transportation industry, January 7, 2013.
159. Interviewed by David Talbot (chief correspondent) for MIT's Technology Review on the topic of Autonomous Vehicles, August 21, 2012. <http://www.technologyreview.com/article/429734/self-driving-cars/>
160. Profile of graduate student under Dr. Kockelman's supervision, Ms. T. Donna Chen, found at
161. <http://www.cae.utexas.edu/student-profiles/chen/index.html>, August 2012.
162. Interviewed by the Huffington Post's Matt Sledge for a story on the San Diego South Bay Expressway bankruptcy, December 23, 2011.
163. [http://www.huffingtonpost.com/2011/12/27/transportation-department-south-bay-expressway\\_n\\_1171842.html](http://www.huffingtonpost.com/2011/12/27/transportation-department-south-bay-expressway_n_1171842.html)
164. Interviewed by KUT (NPR and Music for Austin, TX) Radio's Matt Largey on the topic of route choices, congestion externalities, and the "price of anarchy" in shortest-path selections, December 1, 2011.
165. Authored UT Know on-line news, regarding The Big Question in Transportation. Available at [http://www.utexas.edu/know/2011/09/28/big\\_question\\_kockelman/](http://www.utexas.edu/know/2011/09/28/big_question_kockelman/), September 28, 2011.
166. Interviewed by KVUE TV's (Austin's ABC affiliate) Andrew Horansky, on the topic of congestion in Austin; air date, September 27, 2011.
167. Interviewed by Keith Bradsher, Hong Kong Bureau Chief for the New York Times, regarding the high-speed train accident in China, July 25, 2011.
168. Interviewed by Lindsay Patterson, for the Chemical Heritage Foundation's on-line podcast Episode 124: Our Chemical Landscape: the Suburb - Future of the Suburb: Mass Transit in Austin, TX, found at <http://www.chemheritage.org/community/distillations/124-suburb-show.aspx>, June 24, 2011.
169. Interviewed by Birmingham, AL WBHM public radio station's Andrew Yeager regarding research on interstate bypasses and their effect on inter-city business, April 2011.
170. Interviewed by Joe Layton for UT's newspaper, The Daily Texan, regarding the 2010 Urban Mobility Report ranking Austin as the 36th most congested urban area in the United States, January 2011.
171. Interviewed by Shivam Purohit for UT's newspaper, The Daily Texan, on the Austin Energy installation of 100 - 200 electric vehicle plug-in stations throughout the city, November 2010.

172. Interviewed by Willy Stern at The Weekly Standard, regarding the effectiveness of safety-related regulations on public carriers for personal-travel, May, 13 2010.
173. Research described in New York Times' article titled "Life (and Death) in the Fast Lane", by Eric Morris, regarding speed limits, crash and safety results of NCHRP Report #17-23, April 2, 2010.
174. Interviewed by Austin's NPR affiliate's (KUT's) Mose Buchele for story on toll roads in Austin, and what those may mean for emissions and environmental impacts, broadcast on November 16, 2009.
175. 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.
176. 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.
177. 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.
178. Interviewed by KUT Radio's Mose Buchele, regarding the drop in business travel, and its effect on the U.S. airline industry, broadcast on April 15, 2009.
179. Quoted in FHWA's Public Roads magazine, regarding implications of Credit-Based Congestion Pricing theory, issue published March-April 2009.
180. 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.
181. Interviewed by the Associated Press out of Los Angeles, California regarding financial feasibility of toll roads in Orange County, on October 16, 2008.
182. 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.
183. 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.
184. 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.
185. Interviewed by Dallas Observer writer, Matt Pulley, regarding toll road emissions impacts for a story posted on-line November 2, 2007.
186. 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. <http://www.kut.org/items/show/8325>
187. Interviewed by KUT's Matt Largey regarding tolling roadways for revenue, for broadcast on April 4, 2007.
188. 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.
189. 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.
190. Interviewed by Financial Times' Michael Schrage for article on Stockholm's congestion pricing experiment & worldwide traffic management experimentation, September 19, 2006.
191. Interviewed by Julianna Carpenez, Technology Reporter for Brazil's on-line media group, Globo ([www.globo.com](http://www.globo.com)) regarding GPS vs. RFID usage in toll-tag technology, September 1, 2006.
192. Interviewed by David Talbot for MIT's Technology Review on-line article titled "Market Forces vs. Traffic Jams," available at [http://www.techreview.com/read\\_article.aspx?id=17373&ch=infotech](http://www.techreview.com/read_article.aspx?id=17373&ch=infotech) on Aug 29, 2006.

193. 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", available at [http://www.technologyreview.com/read\\_article.aspx?id=17066&ch=biztech](http://www.technologyreview.com/read_article.aspx?id=17066&ch=biztech) on June 28, 2006.
194. Interviewed by Andrew Barksdale, the Fayetteville (North Carolina) Observer, regarding Public Perceptions of Toll Roads project work, August 17, 2005.
195. 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.
196. 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.
197. Interviewed by Steven Cuevas for radio feature titled "Toll Roads for Central Texas" for NPR affiliate, KUT radio 90.5, aired November 4, 2003.
198. Interviewed by Gerald Burstyn for article regarding research in HI International, July 28, 2003.
199. 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.
200. Interviewed by Jenee Richie, FOX News Network regarding Managed Lanes on 4 Central Texas Turnpikes aired on FOX national television news, January 3, 2003.
201. Interviewed by Kelly Daniel, Austin American Statesman, for article titled "Would you pay to skip past traffic?" Published December 16, 2002.
202. 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.
203. Interviewed by Dick Gordon on "The Connection" radio program for WBUR, Boston and National Public Radio, production titled "Stopping Traffic." May 24, 2002.
204. 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.
205. Interviewed by Charles Oliver for Investor's Business Daily, article on LDT vs. PC use (e.g., occupancies) July 2001.
206. Interviewed by Paul Mulshine for his column in The Star Ledger (New Jersey's largest paper), May 10, 2001.
207. Interviewed by Curtis Rist, for article "Roll Over, Newton." Discover Magazine, April 2001.
208. Interviewed for "Heavy Traffic; No Wonder S.U.V.'s Are Called Light Trucks." New York Times, January 16, 2000.
209. Television Interview on SUV's, KVUE 24 News, August 1999.
210. Radio Interview on SUV's, CBS Radio Affiliate, July 1999.

#### **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. Nodjomian, Adam and Kara Kockelman\*. "How Land Use Patterns Influence the Adoption of Autonomous and Electric Vehicles." Presented at the 98th annual meeting of the Transportation Research Board, Washington, DC, January 2019.
2. Huang, Yantao and Kara Kockelman\*. "How Will Self-Driving Vehicles Affect U.S. Megaregion Traffic? The Case of the Texas Triangle." Presented at the 98th Annual Meeting of the Transportation Research Board. Washington, DC, January 2019.
3. Gurusurthy, Krishna, Kara Kockelman\*, and Michele Simoni, "Benefits and Costs of Ride-Sharing in Shared Automated Vehicles across Austin, Texas: Opportunities for Congestion Pricing", Presented at the 98th Annual Meeting of the Transportation Research Board, January 2019, Washington D.C.
4. Gurusurthy, Krishna, Kara Kockelman\*. "Modeling Americans' Autonomous Vehicle Preferences: A Focus on Dynamic Ride-Sharing, Privacy & Long-Distance Mode Choices." Presented at the 98th Annual Meeting of the Transportation Research Board, January 2019, Washington D.C.

5. Huang, Yantao and Kara Kockelman\*. "What Will Autonomous Trucking do to U.S. Trade Flows? Application of the Random-Utility-Based Multi-Regional Input-Output Model." Presented at the 98th Annual Meeting of the Transportation Research Board, January 2019, Washington D.C.
6. Lee, Jooyong and Kara Kockelman. "Energy and Emissions Implications of Self-Driving Vehicles," Presented at the 98th Annual Meeting of the Transportation Research Board, January 13-17, 2019, Washington, D.C.
7. Huang, Yantao and Kara Kockelman. "Electric Vehicle Charging Station Locations: The Case of Use Equilibrium and Elastic Demand," Presented at the 98th Annual Meeting of the Transportation Research Board, January 13-17, 2019, Washington, D.C.
8. He, Yawei, Perrine, Kenneth and Kara Kockelman. "Optimal Locations of U.S. Fast Charging Stations for Long-Distance Trips by Battery Electric Vehicles," Presented at the 97th Annual Meeting of the Transportation Research Board, January 8, 2018 .
9. Perrine, Kenneth, Huang, Yantao and Kara Kockelman. "Anticipating Long-Distance Travel Shifts Due to Self-Driving Vehicles," Presented at the 97th Annual Meeting of the Transportation Research Board, January 8, 2018 .
10. Kara Kockelman and Krishna Murthy Gurumurthy, "Simulating the Operations of Shared Autonomous Vehicle Fleets," 2017 Annual INFORMS Meeting, October 24, 2017
11. Kara Kockelman and Krishna Murthy Gurumurthy, "Shared Autonomous Electric Vehicle (SAEV) Operations and Emissions Savings," 2017 Annual INFORMS Meeting, October 22, 2017
12. Huang, Yantao and Kara Kockelman. "What Will Autonomous Trucking Do to U.S. Trade Flows? Application of the Random-Utility-Based Multi-Regional Input-Output Model." Presented at the 15th International Conference on Travel Behavior Research, Santa Barbara, California, 2018.
13. Gurumurthy, Krishna Murthy and Kara Kockelman. "Dynamic Ride-Sharing (DRS) Potential for Shared AV Fleets using Cellphone Data from Orlando, Florida." Presented at the 15th International Conference on Travel Behavior Research, Santa Barbara, California, 2018.
14. Lee, Jooyong and Kara Kockelman. "Energy and Emissions Implications of Self-Driving Vehicles," presented in poster session at the 2018 Automated Vehicle Symposium, San Francisco, California.
15. Lee, Jooyong and Kara Kockelman. "Energy and Emissions Implications of Self-Driving Vehicles," presented in a workshop at the 2018 Automated Vehicle Symposium, San Francisco, California.
16. Clements, Lewis and Kara Kockelman. "Economic Effects of Autonomous Vehicles." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC, January 2017.\*
17. Wang, Guangmin and Kara Kockelman. "Local Sensitivity Analysis of Forecast Uncertainty in a Random-Utility-Based Multiregional Input-Output Model." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.
18. Bansal, Prateek and Kara Kockelman, Will Schievelbein, and Scott Schauer-West. "Indian Vehicle Ownership and Travel Behaviors: Case Study of Bangalore, Delhi and Kolkata." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.\*
19. Bansal, Prateek and Kara Kockelman. "Are We Ready to Embrace Connected and Self-Driving Vehicles? A Case Study of Texans." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.\*
20. Loeb, Benjamin, Kara Kockelman and Jun Liu. "Shared Autonomous Electric Vehicle Operations Across Austin, Texas Network with Focus on Charging Infrastructure Decisions." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.
21. Liu, Jun, Kara Kockelman and Aqshems Nichols. "Anticipating Emissions Impacts of Smoother Driving by Connected and Autonomous Vehicles Using MOVES Model." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.
22. Zhao, Yong, Kara Kockelman. "Anticipating the Regional Impacts of Connected and Automated Travel in Austin, Texas." Compendium of the Transportation Research Board's 96th Annual Meeting, Washington, DC, January 2017.\*
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26. Reiter, Matt and Kara Kockelman. "Emissions and Exposure Costs of Electric Versus Conventional Vehicles: A Case Study for Texas." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC. January 2016.
27. Li, Tianxin and Kara Kockelman. "Valuing the Safety Benefits of Connected and Automated Vehicle Technologies." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC, January 2016.\*
28. Wang, Guangmin and Kara Kockelman. "Methods for Uncertainty Propagation in Transportation and Land Use Models." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC, January 2016.\*
29. Segal, Marc and Kara Kockelman. "Design and Implementation of a Shared Autonomous Vehicle System in Austin, Texas." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC, January 2016.
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33. Chen, T. Donna, and Kara Kockelman. "Management of a Shared, Autonomous, Electric Vehicle Fleet: Implications of Pricing Schemes." Compendium of the Transportation Research Board's 95th Annual Meeting, Washington, DC, January 2016.
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60. Nichols, Brice and Kara Kockelman. "Pay-as-You-Drive Insurance: Its Impacts on Household Driving and Welfare." Compendium of the Transportation Research Board's 93rd Annual Meeting, Washington, DC, January 2014.
61. Xu, Jian, Kara Kockelman and Yiyi Wang. "Modeling Crash and Fatality Counts along Mainlanes and Frontage Roads Across Texas: The Roles of Design, the Built Environment, and Weather Compendium of the Transportation Research Board's 93rd Annual Meeting, Washington, DC, January 2014.
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84. Wang, YiYi, Kara Kockelman and Cara Wang. "Anticipating Land Use Change Using Geographically Weighted Regression Models for Discrete Response." Compendium of the Transportation Research Board's 90th Annual Meeting, Washington, DC, January 2011.
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91. Tirumalachetty, Sumala and Kara Kockelman. "Forecasting Greenhouse Gas Emissions from Urban Regions: Microsimulation of Land Use and Transport Patterns in Austin, Texas." Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
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95. Whitehead, Charlotte and Kara Kockelman. "Americans' Time Use: A Focus on Women and Child-Rearing via Structural Equations Modeling." Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.\*
96. 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." Compendium of the Transportation Research Board's 89th Annual Meeting, Washington, DC, January 2010.
97. Kara Kockelman and Jason Lemp. "The Financing of New Highways: Opportunities for Welfare Analysis and Credit-based Congestion Pricing." Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
98. 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." Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
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104. Gadda, Shashank, Kara Kockelman and Paul Damien. "Continuous Departure Time Models: A Bayesian Approach." Compendium of the Transportation Research Board's 88th Annual Meeting, Washington, DC, January 2009.
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111. Lemp, Jason and Kara Kockelman. "Quantifying the External Costs of Vehicle Use: Evidence from America's Top Selling Light-Duty Modes." Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.
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115. Habib, Khandker N. and Kara Kockelman. "Modeling the Choice of Residential Location and Home Type: Recent Movers in Austin, Texas." Compendium of the Transportation Research Board's 87th Annual Meeting, Washington, DC, January 2008.\*
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148. Podgorski, Kaethe and Kara Kockelman. "Public Perceptions of Toll Roads: A Survey of the Texas Perspective." Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
149. Gulipalli, Pradeep, Sukumar Kalmanje, and Kara Kockelman. "Credit-Based Congestion Pricing: Expert Expectations and Guidelines for Application." Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
150. Wang, Xiaokun and Kara Kockelman. "Occupant Injury Severity using a Heteroscedastic Ordered Logit Model: Distinguishing the Effects of Vehicle Weight and Type." Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
151. Kweon, Young-Jun and Kara Kockelman. "The Safety Effects of Speed Limit Changes: Use of Panel Models, Including Speed, Use and Design Variables." Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
152. Ukkusuri, Satish, Ampol Karoonsoontawong, S. Travis Waller, and Kara Kockelman. "Congestion Pricing Technologies: Synthesis and an Evaluation Framework." Compendium of the Transportation Research Board's 84th Annual Meeting, Washington, DC, January 2005.
153. Kalmanje, Sukumar and Kara Kockelman. "Credit-Based Congestion Pricing: Travel, Land Value, & Welfare Impacts." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.

154. Kara Kockelman and Sukumar Kalmanje. "Credit-Based Value Pricing: Policy Proposal and the Public's Response." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
155. Zhao, Yong and Kara Kockelman. "On-Line Marginal-Cost Pricing across Networks with Heterogeneous Users and Stochastic Equilibria." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
156. Frazier, Christopher and Kara Kockelman. "Chaos Theory and Transportation Systems: An Instructive Example." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
157. Heiner, Jared and Kara Kockelman. "The Costs of Right of Way Acquisition: Methods and Models for Estimation." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
158. Kweon, Young-Jun and Kara Kockelman. "Spatially Disaggregate Panel Models of Crash and Injury Counts: The Effect of Speed Limits and Design." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
159. Kara Kockelman and Jianming Ma. "Freeway Speeds and Speed Variations Preceding Crashes, Within and Across Lanes." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
160. Ma, Jianming and Kara Kockelman. "Anticipating Injury & Death: Controlling for New Variables on Southern California Highways." Compendium of the Transportation Research Board's 83rd Annual Meeting, Washington, DC, January 11-15, 2004.
161. Kara Kockelman and Sriram Krishnamurthy. "Use of Roy's Identity for Comprehensive Travel Demand Modeling: Application to Austin, TX." Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.\*
162. Kweon, Young-Jun and Kara Kockelman. "Driver Attitudes and Choices: Seatbelt Use, Speed Limits, Drunk Driving, and Crash Histories." Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
163. Krishnamurthy, Sriram and Kara Kockelman. "Propagation of Uncertainty in Transportation-Land Use Models: Investigation of DRAM-EMPAL and UTPP Predictions in Austin, TX." Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
164. Zhao, Yong and Kara Kockelman. "Random-Utility-Based Multiregional Input-Output Model: Solution Existence and Uniqueness." Compendium of the Transportation Research Board's 82nd Annual Meeting, Washington, DC, January 12-16, 2003.
165. Kara Kockelman 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.\*
166. Ten Siethoff, Brian and Kara Kockelman. "Property Values and Highway Expansions: An Investigation of Timing, Size, Location, and Use Effects." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
167. Kara Kockelman and Young-Jun Kweon. "Overall Injury Risk to Different Drivers: Combining Exposure, Frequency and Severity Models." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
168. Zhao, Yong and Kara Kockelman. "Household Vehicle Ownership by Vehicle Type: Application of a Multivariate Negative Binomial Model." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
169. Srour, Issam, Kara Kockelman, and Travis Dunn. "Accessibility Indices: Connection to Residential Land Prices and Location Choices." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
170. Kara Kockelman, Lydia Heard, Young-Jun Kweon, and Thomas W. Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.\*



171. Pradhan, Anant and Kara Kockelman. "Uncertainty Propagation in an Integrated Land Use-Transportation Modeling Framework: Output Variation via UrbanSim." Compendium of the Transportation Research Board's 81st Annual Meeting, Washington, DC, January 2002.
172. Bhat, Chandra, Susan Handy, Kara Kockelman, Hani Mahmassani, Lisa Weston, Qinglin Chen, and Issam Srour. "Development of Urban Accessibility Index." Compendium of Papers for the 81st Annual Meeting of the Transportation Research Board, Washington DC, January 2002.
173. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Compendium, Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.
174. Kara Kockelman and Katsuhiko Nakamura. "Congestion Pricing and Roadspace Rationing: An Application to the San Francisco Bay Bridge Corridor." Compendium, Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.\*
175. Kara Kockelman and Siva Srinivasan. "The Impacts of Bypasses on Small- and Medium-Sized Communities: An Econometric Analysis." Compendium of the Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.\*
176. Kara Kockelman and Young-Jun Kweon. "Driver Injury Severity and Vehicle Type: An Application of Ordered Probit Models." Compendium of the Transportation Research Board's 80th Annual Meeting, Washington, DC, January 2001.
177. Kara Kockelman. "Travel Behavior as a Function of Accessibility, Land Use Balance, and Land Use Mixing: Evidence from the San Francisco Bay Area." Transportation Research Board's 76th Annual Meeting, Washington, DC, January 1997.\*
178. Kara Kockelman. "The Effects of Location Elements on Home Purchase Prices and Rents: Evidence from the San Francisco Bay Area." Transportation Research Board's 76th Annual Meeting, Washington, DC, January 1997.\*

#### **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. Zhang, Kevin (Wenjia) and Kara Kockelman. "City Land Use and Rent Dynamics with Location Externalities and Forward-Looking Agents," Proceedings of the Advancing Metropolitan Modeling for the Analysis of Urban Sustainability Policies Conference, University of California, Riverside, January 16-17, 2015.
2. Wang, Cara and Kara Kockelman. "Specification and Estimation of the Dynamic Spatial Multinomial Probit Model." Compendium of the 4th World Conference of the Spatial Econometrics Association, Chicago, IL. June 9-12, 2010.
3. Kara Kockelman. "Transportation and Land Use Solutions for Low-Carbon Cities." Invited presentation at the NSF's U.S.-China Workshop on Pathways to Low Carbon Cities, held at Hong Kong's Polytechnic University, December 13-14, 2010.
4. Kara Kockelman. "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.\*
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. 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.\*
7. 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.\*

8. Zhao, Yong and Kara Kockelman. "The Propagation of Uncertainty through Travel Demand Models." Compendium of the Eighth TRB Conference on the Application of Transportation Planning Methods, Corpus Christi, TX, April 2001.
9. Kara Kockelman. "Which Matters More in Mode Choice: Density or Density?" Conference Compendium for Institute of Transportation Engineers Annual Meeting, Denver, CO, 1995.\*

## **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. Invited speaker at Sloan Foundation & Boston University's Institute for Sustainable Energy and Systems Engineering Department on topic of AVs & EVs at their "Integrating New Electric Mobility Systems with the Electric Grid Infrastructure" workshop (declined due to busy schedule), November 2019.
2. Invited presenter at MIT Center for Energy & Environmental Policy Research's AV/Mobility Modeling Workshop, Cambridge, Massachusetts, October 11, 2019.
3. Invited speaker at University of Illinois at Chicago Urban Forum, on Myths & Realities of AVs, September 2019.
4. Keynote presentation titled "Regional Operations of Shared Autonomous Vehicles – With and Without Dynamic Ridesharing" at 16th International Conference on Competition and Ownership in Land Passenger Transport (Thredbo 16) in Singapore, August 28, 2019.
5. Presented "Anticipating a World of Automated Transport: Opportunities for Vehicle- and Ride-sharing Systems" at Singapore University of Technology and Design seminar, August 22, 2019.
6. Presented "Anticipating a World of Automated Transport: Opportunities for Vehicle- and Ride-sharing Systems" at Nanyang Technological University seminar, August 20, 2019.
7. Haonan Yan and Kara Kockelman, "SAV and SAEV Impacts on Energy Use and Emissions across the Minneapolis-Saint Paul Region in the Energy and Environmental Implications of Connected and Automated Vehicles" Session with author Haonan Yan at AVS 2019 in Orlando, FL, June 15, 2019.
8. Krishna Gurusurthy, Auld, Josh, and Kockelman, Kara "A System of Shared Autonomous Vehicles for Chicago: Understanding the Effect of Geofencing the Service" presented by authors Murthy Gurusurthy and Josh Auld at AVS 2019 in Orlando, FL, June 17, 2019.
9. Krishna Murthy, Natalia Zuniga-Garcia, and Kara Kockelman "First-Mile-Last-Mile Collector-Distributor System using Shared Autonomous Mobility" Presented by Murthy Gurusurthy and Natalia Zuniga-Garcia at AVS 2019 in Orlando FL, June 18, 2019.
10. Presented workshop presentation "How Will Self-Driving Vehicles Affect U.S. Megaregion Traffic? The Case of The Texas Triangle" with author Yantao Huang at AVS 2019 in Orlando, FL, June 18, 2019.
11. Invited panelist at the 2019 U.S. Department of Energy's Advanced Research Projects Agency - Energy (ARPA-E) Innovation Summit in Aurora, CO, July 8-10, 2019. (declined due to busy schedule)
12. Presented to CSU Ft Collins College of Engineering as guest of VP of Research, Sonia K. & Erica faculty, "Anticipating A World of Autonomous Vehicles: Implications & Opportunities for Our Communities", June 27, 2019.
13. Presented to NREL staff in Golden, Co "Anticipating A World of Autonomous Vehicles: Implications & Opportunities for Our Communities", June 26, 2019.
14. Presentations on Optimizing heavy-vehicle movements of hazardous materials through urban areas & Econometric methods for inference with spatial-temporal data sets to the Center for Petroleum and Geosystems Engineering's Sustainable Development of Oil and Gas Resources Kickoff Workshop, June 20, 2019.
15. Presented to Undergraduate Research Interns in the TE program on AVs, June 11, 2019.
16. Present to UC Irvine Institute of Transportation Studies & CAEE Department, "Anticipating A World of Autonomous Vehicles: Implications & Opportunities for Our Communities", June 7, 2019.

17. Presented on SAVs & DRS at 2019 Symposium and Workshop on Cyber-Vehicle-Human Harmonization, UT Austin, May 22, 2019.
18. Panelist in Austin KVUE's hour-long Digital Transportation Town Hall, live with President & CEO of CapMetro, Director of CTRMA, Head of TxDOT Planning, & Austin's Mayor Pro Tem, May 14, 2019.
19. Invited speaker for 1-hr presentation in Supply Chain Track at INFORMS' Business Analytics Conference, Austin Marriott, April 16, 2019.
20. Faculty Panelist, invited to take student questions regarding research and teaching at UT Austin for ASCE student chapter meeting, March 27, 2019.
21. Co-Hosted "You at UT Lunch with and Engineer", sponsored by UT's Women in Engineering Program, March 22, 2019.
22. Invited presenter for UT McComb's School of Business Tower Fellows Program, presentation on AV's, March 27, 2019.
23. Invited presenter at UCLA's Spring Transportation Research Lecture Series March 2019. (declined due to busy schedule)
24. Presented "Life-Cycle Analysis of Emerging Transportation Systems," in Workshop on "Taking Stock of Transportation Life Cycle Assessment" at 98<sup>th</sup> Annual Meeting of the Transportation Research Board, Washington, D.C.\*, January 13, 2019.
25. Presented "Americans' AV Preferences: Dynamic Ride-Sharing, Privacy & Long-Distance Mode Choices" to the DFW region's Mobility on Demand (MOD) Working Group Meeting, at NCTCOG offices (via Webex), Nov 5, 2018.
26. Presented five presentations with GRAs at the 2018 RSAI meeting in San Antonio, Texas, November 8-10, 2018. Presented "The Future of Transportation" to UT's Department of CAEE External Advisory Committee, Nov. 2, 2018.
28. Presented "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy & Urban System Implications" to FHWA colleagues at the U.S. Federal Building, Austin, TX, October 25, 2018.
29. Invited speaker, "How Do Land Use Patterns Affect Ownership & Use of Self-Driving Vehicles?" Urban Land Institute (ULI), October 5, 2018.\*
30. Seminar, "Anticipating a World of Self-Driving Vehicles," given at the Samsung Strategy & Innovation Center, Menlo Park, California, July 13, 2018.\*
31. ITLS Leadership and Policy Seminar speaker, "Anticipating a World of Shared Autonomous Vehicles: Cost Energy and Urban System Implications, University of Sydney, April 3, 2018.\*
32. Seminar at the University of New South Wales (UNSW), titled, "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," April 3, 2018.\*
33. Seminar at Monash University, titled "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," March 7, 2018.\*
34. Seminar, "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," at Queensland University of Technology (QUT), February 28, 2018.\* Video available at <https://cloudstor.aarnet.edu.au/plus/s/aI1GJ6vIYOwGQHR>.
35. Seminar, "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," at the University of Queensland, February 14, 2018.\*
36. He, Yawei, Perrine, Kenneth and Kara Kockelman. "Optimal Locations of U.S. Fast Charging Stations for Long-Distance Trips by Battery Electric Vehicles," Presented in poster session at the 97<sup>th</sup> Annual Meeting of the Transportation Research Board, January 8, 2018 .
37. Wang, Guangmin and Kara Kockelman. "Three Methods for Anticipating and Understanding Uncertainty of Outputs from Transportation and Land Use Models," Presented in poster session at the 97<sup>th</sup> Annual Meeting of the Transportation Research Board, January 10, 2018.
38. Quarles, Neil and Kara Kockelman. "Costs and Benefits of Electrifying and Automating U.S. Bus Fleets," Presented in poster session at the 97<sup>th</sup> Annual Meeting of the Transportation Research Board, January 9, 2018 .

39. Ma, Qinglu, Segal, Marc and Kara Kockelman. "Making the Most of Curb Spaces in a World of Shared Autonomous Vehicles: A Case Study of Austin, Texas," Presented at the poster session at the 97<sup>th</sup> Annual Meeting of the Transportation Research Board, January 9, 2018,
40. Gurusurthy, Krishna Murthy and Kara Kockelman. "Analyzing the Dynamic Ride-Sharing Potential for Shared Autonomous Vehicle Fleets Using Cellphone Data from Orlando, Florida," Presented at the poster session at 97<sup>th</sup> Annual Meeting of the Transportation Research Board, January 9, 2018 .
41. Invited presenter, "Riding the Energy Cycles," for the 35<sup>th</sup> Annual Conference of the U.S Association for Energy Economics, November 12-15, 2017.
42. Presentation by Neil Quarles for "Campus Sustainability Week" at the Student Activity Center at the University of Texas at Austin, October 25, 2017.
43. Invited presenter and panelist, Energy Institute journalism workshop, "21<sup>st</sup> Century Transportation," September 27, 2017.\*
44. Invited presentation, TxDOT Environmental Coordinators Conference "Autonomous Vehicles: Implications for Environmental Planning," September 12, 2017.\*
45. Presented "Fleet Performance and Cost Evaluation of a Shared Autonomous Electric Vehicle (SAEV) Fleet: A Case Study for Austin, Texas." Presented in poster session of the 2017 Automated Vehicles Symposium, San Francisco, CA, July 11-14, 2017.\*
46. "Anticipating a Fully-Automated Vehicle Fleet with Dynamic Ride-Sharing in Austin, Texas." Presented in poster session of the 2017 Automated Vehicles Symposium, San Francisco, CA, July 11-14, 2017.
47. Seminar at Samsung N America headquarters, "Anticipating a World of *Shared* Autonomous Vehicles: Cost, Energy, and Urban System Implications," San Jose, California, July 10, 2017.\*
48. Seminar at Car2Go's bi-weekly town hall regarding autonomous vehicles, improving traffic flow and road safety, May 8, 2017. \*
49. Invited speaker for the Downtown Los Angeles Forum, declined due to busy schedule and cost of travel, April 13, 2017.
50. Invited presentation, workshop on Connected and Automated Vehicles by the Austin San Antonio Corridor Council, March 29, 2017.
51. Invited presentation, "Energy and Greenhouse Gas Emissions of Shared Vehicles," presented at the 96<sup>th</sup> Annual Meeting of the Transportation Research Board, January 2017.
52. "Impacts of Shared, Connected, and Automated Vehicle Systems: Recommendations for Public Agencies," presented at the 96<sup>th</sup> Annual Meeting of the Transportation Research Board, January 2017.
53. Invited workshop, "Overview of Spatial Analysis for Transportation Analysis," at the 96<sup>th</sup> Annual Meeting of the Transportation Research Board, January 2017.
54. Invited workshop, "Economic and Travel Impacts of Connected and Automated Vehicles", at the 96<sup>th</sup> Annual Meeting of the Transportation Research Board, January 2017.
55. Invited presentation to the TxDOT Peer Exchange, Austin, Texas, December 8, 2016. "Cost, Energy, & Urban System Implications of Shared Automated Vehicles (SAVs)." Washington DOT, CalTrans, Iowa DOT, New Jersey, & Louisiana were in attendance.
56. Invited presentation titled "Simulating a System of Shared Autonomous Vehicles for Austin: Anticipating Performance, Cost, and Emissions Impacts," for Advancing Women in Transportation Heart of Texas chapter (WTS HOT) Lunch, November 16, 2016.
57. Austin SXSWeco Panelist: "Low Carbon Living: How transportation, energy and technology companies are taking bold steps to enable a low carbon lifestyle." Expect panel assembled by Honda Motor Co's assistant VP of environment and energy strategy.\* October 10-12, 2016.
58. Invited presentation titled "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," for LAMP Science and Technology, October 19, 2016.
59. Attended NSF/ Research Coordination Network workshop on Sustainable Cities, Minneapolis, MN, August 25-29, 2016.
60. Invited presentation titled "Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications," for General Motors' Asian-Indian Affinity Group, August 11, 2016.

61. “Shared Autonomous Electric Vehicle (SAEV) Operations across the Austin, Texas Network, with a Focus on Charging Infrastructure Decisions.” Presented in the poster session & a podium breakout session of the Automated Vehicles Symposium, San Francisco, July 19-21, 2016.\*
62. “Anticipating the Emissions Impacts of Autonomous Vehicles Using the MOVES Model.” Poster presentation & podium presentation in breakout-session of the Automated Vehicles Symposium 2016, San Francisco, July 19-21, 2016 .\*
63. “Credit-Based Congestion Pricing (CBCP): Policy, Perception & Prediction.” Presented in the poster session of the 2016 City of Austin’s Smart Cities Innovation Summit, June 13-15, 2016.
64. Operational Impacts & Market Potential for a Fleet of Shared Autonomous, Electric Vehicles.” Presented in the poster session of the 2016 City of Austin’s Smart Cities Innovation Summit, June 13-15, 2016.
65. Seminar titled “Autonomous and Connected Vehicle Technology –Policy & Practice” for the Women’s Transportation Seminar International (WTS) Annual Conference in Austin, TX, May 18-20, 2016.\*
66. Lecture titled “Anticipating a World of Shared Autonomous Vehicles: Cost, Energy, and Urban System Implications” for Chevron Frontiers of Mechanical Engineering, UT Austin’s Department of Mechanical Engineering, April 8, 2016.\*
67. Invited presentation titled “What to Expect from Smart Vehicles” for North by Northeast Austin Rotary (NEAR), Austin, TX, March 21, 2016.\*
68. “Assimilating Self-Driving Cars into Society” Presented at SxSW by Kara Kockelman and Lisa Loftus-Otway, Austin, TX, March 12, 2016.\*
69. Presentation on “What to Expect from Smart Vehicles: Policy Trends, Fleet Evolution, & Travel Demand Modeling” for the CAMPO Technical Advisory Committee, Austin, TX, February 24, 2016.\*
70. Invited presentation titled “What to Expect from Smart Vehicles: Policy Trends, Fleet Evolution, & Travel Demand Modeling” for the CAMPO Transportation Policy Board, Austin, TX, February 8, 2016.
71. “Air Quality Impacts of EV Adoption & HEV Ownership in Texas.” Presented at the UT-TAMU EV-STS NSF IURC Meeting, Austin, TX, December 1, 2015.\*
72. Wang, Yiyi and Kara Kockelman. “A Multivariate Spatial Analysis for Anticipating New Firm Counts” for the Advances in Econometrics Conference, Baton Rouge, Louisiana, October 9-11, 2015. Invited keynote speaker (and panel discussion leader) at the University of Chicago Research Computing Center’s 2nd annual expo and symposium, Mind Bytes, on topic of reimaging cities and integrated urban infrastructure solutions for environmentally sustainable, healthy and livable cities. October 27, 2015. Declined due to busy schedule.
74. Invited to speak at Transport Futures’ “Future of the Car” symposium in Toronto, September 17, 2015. Declined due to busy schedule.
75. “Management of a Shared, Autonomous, Electric Vehicle Fleet: Charging and Pricing Strategies” Presented in poster session of the 2015 Automated Vehicles Symposium 2015, Ann Arbor, MI, July 20-24, 2015.
76. “Harnessing Smart Driving Technologies in Traffic Operations: Anticipating the Barriers and Benefits”. Presented in the poster session of the Automated Vehicles Symposium 2015, Ann Arbor, MI, July 20-24, 2015.
77. “Assessing Public Opinions of and Interest in New Vehicle Technologies: An Austin Perspective” Presented in the poster session of the Automated Vehicles Symposium 2015, Ann Arbor, MI, July 20-24, 2015.
78. “Valuing the Safety Benefits of Connected and Automated Vehicle Technologies” Presented in the poster session of the Automated Vehicles Symposium 2015, Ann Arbor, MI, July 20-24, 2015.
79. Invited presentation titled “Operations of a Fleet of Shared, Automated, Electric Vehicles (SAEV)” for NYU’s Marron Institute Conference in New York City, May 28-29, 2015. (Doctoral candidate Donna Chen gave this presentation on Dr. Kockelman’s behalf.)
80. Invited to deliver keynote address at Purdue University’s 8th Annual Midwest Graduate Student Summit on Applied Economics, Regional and Urban Studies (AERUS) on April 11-12, 2015. Declined due to busy schedule.

81. Invited to speak at Columbia University's Data Science Institute's 2015 Biannual Symposium on panel discussing "Future/Smart Cities", on April 1, 2015. Declined due to busy schedule.
82. City Land Use and Rent Dynamics with Location Externalities and Forward-Looking Agents," Proceedings of the Advancing Metropolitan Modeling for the Analysis of Urban Sustainability Policies Conference, University of California, Riverside, January 16-17, 2015.
83. "Understanding New Directions for the National Household Travel Survey." Presented in the poster session of the National Household Travel Survey at the Transportation Research Board's 94<sup>th</sup> Annual Meeting on January 11-15, 2015, in Washington, DC.
84. "Emissions and Exposure Costs of Electric and Conventional Vehicles" as part of the Ecological Economics, Green Infrastructure, and the Value of Sustainability Session of UT Austin's 5th Annual Sustainability Symposium Austin, TX, September 19, 2014.
85. "Hybrid Electric Vehicle Ownership and Fuel Economy Across Texas: An Application of Spatial Models" Summer Colloquium: Graduate Portfolio in Applied Statistical Modeling in Austin, Texas", August 13<sup>th</sup> 2014. "Estimating Demand for Non-Motorized Travel." TRB National Cooperative Highway Research Program (NCHRP) webinar, August 18, 2014.\*
87. "Anticipating & Comparing Transportation Investment Impacts using PET." FHWA Travel Model Improvement Program (TMIP) webinar, July 24, 2014.\*
88. "A Convergence in Shared Mobility: Demand-responsive Fully Automated Vehicles, for Carsharing & Ridesharing across Austin, Texas." Presented at the Transportation Research Board's *Automated Vehicles Symposium*, San Francisco, CA, July 18, 2014.
89. "Environmental Implications for Shared Autonomous Vehicles Using Agent-Based Model Simulation." Presented at the Transportation Research Board's Automated Vehicles Symposium (poster session), San Francisco, CA, July 18, 2014.
90. "Energy & Emissions Impacts for Automated Vehicles." U.C. Berkeley Autonomous Vehicles Workshop, Berkeley, CA, July 13, 2014.
91. "Urban Form and Life-Cycle Energy Consumption: Case Studies for Five U.S. Cities." Keynote address for the 2nd World Metropolitan Transport Development Forum, Beijing University of Technology (BJUT), Beijing, China, July 10, 2014.\*
92. Invited keynote speaker (and panel discussion leader) on topic of transport economics at the St. Cloud University Department of Economics & School of Public Affairs' Winter Institute Annual Economic & Business Summit, Minneapolis, Minnesota, June 2014. Declined due to busy schedule.
93. "Where are the Electric Vehicles? A Spatial Model for Vehicle-Choice Count Data." Presented to the ITEA Annual Conference and Summer School on Transportation Economics (Kuhmo Nectar), Toulouse, France, June 2-6, 2014.
94. "Urban Form & Life-Cycle Energy Consumption: Case Studies for Five U.S. Cities." Presented via Webinar to the NSF RCN Social Actors, Institutions, and Sustainable Cities Workshop, Denver, CO, January 24, 2014.\*
95. "Why All Travel Models are Wrong and What to Do About It". Presented at TRB Annual Meeting Sunday Workshop on "Revisiting Model Validation: An Assessment of Needs and New Opportunities," Washington, DC, January 11, 2014.\*
96. "Exploring Potential Shifts in Long-Distance Travel Behavior Caused by Automated and Connected Vehicles: Implications for Data Collection and Behavior Modeling". Poster presentation at the Annual Meeting of the TRB, Washington, D.C. January 2014.
97. Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." Presented as part of the "Proceedings in Automated Driving" Workshop at the Center for Automotive Research at Stanford (CARS), Stanford University, Stanford, CA, December 12, 2013.
98. "Urban Form & Life-Cycle Energy Consumption: Case Studies for Five U.S. Cities." Presented as part of the Precourt Energy Efficiency Center (PEEC) Sustainable Transportation Fall Seminar Series, Stanford University, Stanford, CA, December 6, 2013.\*
99. "Crash Rates & Risks: The Roles of Vehicle Design, Driver habits & Demographics." Presented to the University of California, Berkeley's Safe TREC Group, Berkeley, CA, November 22, 2013. \*

100. "Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." Presented to Dr. Joe Knott's Sustainable Transportation Systems course at Stanford University, Stanford, CA, November 20, 2013.\*
101. "Life-cycle Energy Impacts of Different Neighborhood Types: Identifying Critical Design Levers for the Short and Longer Terms." Presented at the 60<sup>th</sup> North American Meeting of the Regional Science Association International, Atlanta, Georgia, November 2013.\*
102. "Environmental Implications for Shared Autonomous Vehicles using an Agent-Based Model." Presented at the 60<sup>th</sup> North American Meeting of the Regional Science Association International, Atlanta, Georgia, November 2013.
103. "Development of a Bicycle Direct-Demand Model in Shoreline, Washington: Impacts of Bicycle LOS and other factors on Observed and Predicted Intersection Counts." Presented at the 60<sup>th</sup> North American Meeting of the Regional Science Association International, Atlanta, Georgia, November 2013.
104. "Where are the Electric Vehicles? A Spatial Model for Vehicle-Choice Count." Presented at the 60<sup>th</sup> North American Meeting of the Regional Science Association International, Atlanta, Georgia, November 2013.\*
105. Attended SEEDZ Electric Vehicle Infrastructure Workshop, Sunnyvale, CA, November 6, 2013.
106. "Urban Sprawl, Job Decentralization and Congestion: The Efficiency and Welfare Effects of Congestion Tolls and Urban Growth Boundaries." Presented at the 60<sup>th</sup> North American Meeting of the Regional Science Association International, Atlanta, Georgia, November 2013.
107. "Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." Presented as part of the University of California, Davis, Institute of Transportation Studies Fall Seminar Series, Davis, CA, November 1, 2013.\*
108. "The Energy Implications of Autonomous Vehicles: Opportunities & Threats, relating to Land Use Change, Induced Demand, Vehicle Resizing, Car Sharing, and Ride Sharing." Presented as part of Stanford University's Policy and Economics Research Roundtable (PERR), Stanford, CA, October 25, 2013.\*
109. "Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." UC Berkeley, Institute of Transportation Studies, October 4, 2013.\*
110. "Urban Form & Life-Cycle Energy Consumption: Case Studies for Five U.S. Cities." Presented at San Jose State University, College of Engineering, San Jose, CA, October 1, 2013.\*
111. "Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." Presented as part of the Sustainable Transportation Fall Seminar Series, Stanford University's Precourt Energy Efficiency Center, Stanford, CA, September 27, 2013.\*
112. "Anticipating & Comparing Transportation Investment Impacts using PET." Presented to FHWA-FTA Performance-Based Planning Workshop, TxDOT Riverside Campus, Austin, TX, November 13, 2013.
113. "The Electric Vehicle Charging Station Location Problem: A Parking-Based Assignment Method for Seattle." Presented at the Green Streets Conference, Austin, TX, November 3-6, 2013.
114. "Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations for Capitalizing on Self-driven Vehicles." Presentation for Eno Foundation, with Dan Fagnant, Washington, DC, October 2013.
115. "Environmental Implications for Shared Autonomous Vehicles Using Agent-Based Model Simulation." Presented at the Texas ITE Fall Meeting, Clear Lake, Texas, September 26 & 27, 2013.
116. "Autonomous Vehicles: Anticipating Impacts in a World of Increasingly Shared Mobility." Presentation to Carnegie Mellon University's Transportation Engineering Group, Pittsburgh, PA, September 20, 2013.\*
117. "Highlights of Electric Vehicle Research." Presentation to Carnegie Mellon University's Vehicle Electrification Group, Pittsburgh, PA, September 20, 2013.\*
118. "Evolution of the Household Vehicle Fleet: Anticipating plug-in electric vehicle adoption in the U.S." Presented to the Electric and Hybrid Vehicle Technology Expo, Detroit, MI, September 17, 2013.

119. "The Future of Plug-In Vehicles: Owner Preferences, Fleet Evolution, and Vehicle Use." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, UT Austin, TX, July 3, 2013.\*
120. "Environmental Implications of Shared Autonomous Vehicles Using an Agent-Based Model." Presented at the TRB/Stanford 2nd Annual Workshop on Road Vehicle Automation, Stanford, CA, July 16-19, 2013.
121. "Air Quality Impacts of EV Adoption." NSF EV-TEC Industry-University Research Center workshop on Electric Vehicles: Transportation and Electricity Convergence, Member Advisory Panel Meeting, NCTCOG, Arlington, TX, May 7, 2013.
122. "Spatial Econometric Methods for Crash Severity Analysis." Presented at the Transportation Research Board's 92nd Annual Meeting, Washington, DC, January 2013.\*
123. "Going Green: Benefit-Cost Analysis for Potential Electric Vehicle Owners." Presented at the Transportation Research Board's 92nd Annual Meeting, Washington, DC, January 2013.\*
124. "Americans' Crash Histories: Who is at Most Risk for Crashes and Why?" Presented at the 17th Hong Kong Society for Transportation Studies (HKSTS) International Conference, Hong Kong, December 15-17, 2012.
125. "The Electric Vehicle Charging Station Location Problem: A Parking-Based Assignment Method for Seattle." Presented at the 31st IAEE/USAAEE's North American Conference, Austin, TX, November 5, 2012.
126. "A Spatial Autoregressive Multinomial Probit Model for Anticipating Land Use Change in Austin, Texas." Presented at the 59<sup>th</sup> North American Meeting of the Regional Science Association International, Ottawa, Canada, November 2012.\*
127. "The Electric Vehicle Charging Station Location Problem: A Parking-Based Assignment Method for Seattle." Presented at the 59<sup>th</sup> North American Meeting of the Regional Science Association International, Ottawa, Canada, November 2012.\*
128. "Holistic Evaluation of Texas Transportation Projects and Policies: The Relative Roles of Traveler Welfare, Emissions, Crashes and Travel Time." Presented at the 59<sup>th</sup> North American Meeting of the Regional Science Association International, Ottawa, Canada, November 2012.
129. Attended NSF/ Research Coordination Network workshop on Sustainable Cities, Estes Park, CO, August 16-19, 2012.
130. "The Economics of Transportation Systems: A Reference for Practitioners." A 3-part series presented to TxDOT engineers at TxDOT's Riverside Campus, Austin, TX, August 21 & 23, 2012. \*
131. "Models for Anticipating Non-Motorized Travel Choices, and the Role of the Built Environment." NSF/ Research Coordination Network workshop on Sustainable Cities, Estes Park, CO, August 16-19, 2012. \*
132. "BEV Range Sufficiency, PHEV Electrification of Miles, Total Cost of Ownership, and Increasing PEV Adoption Rate." Plug-In 2012 Conference, San Antonio, TX, July 23-26, 2012.
133. "Anticipating and Comparing Transportation Investment Impacts: A Holistic Project Evaluation Toolkit (PET) for Engineers and Planners." TxDOT 2012 Transportation Planning Conference & TRB Access Management Conference, Dallas, TX, July 19, 2012.
134. "The Future of Plug-In Vehicles: Owner Preferences, Fleet Evolution, and Vehicle Use." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, University of Texas, Austin, TX, June 27, 2012.\*
135. "The Future of Plug-In Vehicles: Owner Preferences, Fleet Evolution, and Vehicle Use." Presentation to the UT Energy Symposium May 3, 2012.\*
136. "Identifying Optimal Charging Station Locations: A Case Study of Seattle." NSF EV-TEC Industry-University Research Center workshop on Electric Vehicles: Transportation and Electricity Convergence, Member Advisory Panel Meeting, Austin, TX, April 19, 2012.\*
137. "Project Outcomes Under Uncertainty: An Examination of Benefit-Cost Ratios and Other Impacts." Presented in the poster session of Emerging Vehicle Technologies, CTR Symposium, Austin, TX, April 4, 2012.



138. "PEV Market Potential Using Multi-Day GPS Data." Presented in the poster session of Emerging Vehicle Technologies, CTR Symposium, Austin, TX, April 4, 2012.
139. "Project Outcomes Under Uncertainty: An Examination of Benefit-Cost Ratios and other Impacts." Presented at the Texas ITE Conference, San Marcos, TX, March 29-30, 2012.
140. "Electrified Vehicle Technology Trends, Infrastructure Implications, & Cost Comparisons." UT Energy Forum, University of Texas, Austin, TX, February 2-3, 2012.
141. Resource Systems Group, Fehr & Peers, Robert Cervero, Kara Kockelman and Renaissance Planning Group. "Regional Evaluation Decision Tool for Smart Growth (REDSmart)." Presented at SHRP2 session of the 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2012.
142. "PEV Market Potential Using Multi-Day GPS Data." NSF EV-TEC Industry-University Research Center workshop on Electric Vehicles - Transportation and Electricity Convergence, Industry Advisory Panel Meeting, Houston, TX, November 2, 2011.
143. "The Impact of Weight Matrices on Parameter Estimations and Inference: A Case Study of Binary Response Using Land Use Data." Presented at the 58<sup>th</sup> North American Meeting of the Regional Science Association International, Miami, FL, November 2011.
144. "Understanding Spatial Filtering for Analysis of Land Use Data Sets." Presented at the 58<sup>th</sup> North American Meeting of the Regional Science Association International, Miami, FL, November 2011.
145. "Models for Anticipating Non-Motorized Travel Choices, and the Role of the Built Environment." Presented at the 58<sup>th</sup> North American Meeting of the Regional Science Association International, Miami, FL, November 2011.\*
146. "Tracking Transportation and Industrial Production across a Nation: Application of the RUBMRIO Model for U.S. Trades." Presented at the 58<sup>th</sup> North American Meeting of the Regional Science Association International, Miami, FL, November 2011.\*
147. "Urban Planning, Land Use, and Vehicle Technologies to Reduce GHG Emissions in Cities." Energy and Urban Development Conference, hosted by UT Schools of Architecture, Business and Engineering and the Urban Land Institute, University of Texas, Austin, TX, November 18, 2011.\*
148. "A Toolkit for Anticipating and Evaluating the Impacts of Roadway Improvements." TexITE Fall Meeting, Austin, Texas, September 2011.
149. "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, August 10, 2011.\*
150. Invited lecture titled "Anticipating and Evaluating the Impacts of Changes to Highway Networks and their Operations" for UCLA's Civil & Environmental Engineering Department's CEE 249 Seminar Series, Los Angeles, CA, June 2, 2011.
151. "Plug-in Electric Vehicles: Their Technology, Use, and Impacts." NSF EV-TEC Industry-University Research Center workshop on Transportation and Electricity Convergence, Industry Advisory Panel Meeting, Austin, TX, April 21, 2011.\*
152. Invited panelist, Powering Transportation Panel, at the 2011 UT Energy Forum titled "Fostering Interdisciplinary Collaboration in Energy," Austin, TX, February 3-4, 2011.
153. Invited Presenter, US-China NSF Workshop titled "Pathways Toward Low Carbon Cities: Quantifying Baselines and Interventions", Hong Kong, December 13-14, 2010.
154. "The Welfare Implications of Carbon Taxes and Carbon Caps: A Look at U.S. Households." Presented at the INFORMS Conference, Austin, TX, November 7-10, 2010.
155. "Toolkit for Anticipating and Evaluating Roadway Expansion and Tolling Impacts." Presented at the INFORMS Conference, Austin, TX, November 7-10, 2010.
156. "Continuous Cross Nested Logit Model: Formulation and Application for Departure Time Choice." Presented at the INFORMS Conference, Austin, TX, November 7-10, 2010.
157. "The Dynamic Spatial Multinomial Probit Model: Analysis of Land Use Change Using Parcel-Level Data." Presented at the 57<sup>th</sup> North American Meeting of the Regional Science Association International, Denver, CO, November 2010.\*

158. "Anticipating Land Use Change Using Geographically Weighted Regression Models for Discrete Response." Presented at the 57th North American Meeting of the Regional Science Association International, Denver, CO, November 2010.
159. "Spatial Prediction of AADT in Unmeasured Locations by Universal Kriging." Presented at the 57th North American Meeting of the Regional Science Association International, Denver, CO, November 2010.
160. "Strategic Sampling for Large Choice Sets in Estimation and Application." Presented at the 57th North American Meeting of the Regional Science Association International, Denver, CO, November 2010. \*
161. PEV use vis-à-vis Grid Power Demands." A presentation of proposed research for the University of Texas/Texas A&M University PHEV/EBV I/U Research Center workshop titled." Interfacing Electricity and Transportation Networks: The Role of Battery Electric Vehicles (BEVs) and Plug-In Hybrid Electric Vehicles (PHEVs), College Station, TX, October 19, 2010.
162. "PEV Adoption & Use: Anticipating Electric-Power Demand." A presentation of proposed research for the University of Texas/Texas A&M University PHEV/EBV I/U Research Center workshop titled Interfacing Electricity and Transportation Networks: The Role of Battery Electric Vehicles (BEVs) and Plug-In Hybrid Electric Vehicles (PHEVs) Workshop, College Station, TX, October 20, 2010.\*
163. "Environmental Impacts of Land Use and Transportation Policies." For Europe's Kuhmo-Nectar Summer School in Transportation Economics, Valencia, Spain, July 2010.\*
164. Invited presentation titled "To Drive, or Not to Drive? The Relative Costs of Cars & Light-Duty Trucks" for U.T.'s Women in Engineering Program's Summer Camp event, Communities, Environment & Transportation, June 10, 2010.
165. "Evolution of Vehicle Fleet in Households: Anticipating Vehicle Composition through a Stated Preference Survey in Austin, Texas." Presented at the TRB Alternative Transportation Fuels and Technologies Committee Meeting (ADC80) during the 89th Annual Meeting of the Transportation Research Board, Washington DC, January 2010.
166. "Household Energy Use and Travel: Opportunities for Behavioral Change." Presented at the TRB Transportation Energy Committee Meeting (ADC70) during the 89th Annual Meeting of the Transportation Research Board, Washington DC, January 2010.
167. "Land Use Change through Microsimulation of Market Dynamics: An Agent-based Model of Land Development and Locator Bidding in Austin, Texas." Presented at the 12th Conference of the International Association of Travel Behavior Research Conference, Jaipur, India, December 13-18, 2009.\*
168. "Evolution of Vehicle Fleet in Households: Anticipating Vehicle Composition Through a Stated Preference Survey in Austin, Texas." Presented at the 12th Conference of the International Association of Travel Behavior Research Conference, Jaipur, India, December 13-18, 2009.\*
169. "Empirical Investigation of the Continuous Logit for Departure Time Choice using Bayesian Methods." Presented at the 12th Conference of the International Association of Travel Behavior Research Conference, Jaipur, India, December 13-18, 2009.\*
170. 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.\*
171. "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.\*
172. 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.\*
173. "Strategies for Tackling Energy Security & Climate Change Issues: Evolving Roles for Engineering Expertise." U.T. Engineering Honors Council's Fireside Chat, November 4, 2009.\*

174. 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.
175. “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 9, 2010.\*
176. “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.
177. “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.\* “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.\*
179. “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.\*
180. “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.
181. “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.
182. “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.
183. 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.
184. “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.
185. “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.\*
186. “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.
187. “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.
188. “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. \*
189. “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.\*
190. “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.
191. “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.\*

192. "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.\*
193. "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.\*
194. "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.\*
195. "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.
196. "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.
197. "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.
198. "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.\*
199. "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. (with Jennifer Duthie) \*
200. "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 6, 2007.\*
201. "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.
202. 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.\*
203. "Credit-Based Congestion Pricing: Perception & Prediction." Presented at the 2006 Association of Collegiate Schools of Planning Conference, Fort Worth, TX, November 9-11, 2006.\*
204. "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.
205. "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.
206. "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.\*
207. "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.
208. "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.

209. "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.
210. "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.\*
211. "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.\*
212. 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.
213. "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.
214. "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.
215. "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.
216. "Simultaneously Modeling Crash Frequencies by Severity using Bayesian Multivariate Poisson Models." Presented at the INFORMS Conference, San Francisco, CA, November 13-16, 2005.
217. "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.
218. "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. \*
219. "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. \*
220. 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.
221. "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. 1998-2005
222. Presented "Credit-Based Congestion Pricing (CBCP): Perception & Prediction" for U.C. Berkeley's Fall 2005 Transportation Seminar Series, the University of California, Berkeley, October 31, 2005.
223. "Credit-Based Congestion Pricing: Policy, Perception & Prediction." Undergraduate Summer Internship in Transportation (USIT) Seminar Series, The University of Texas, Austin, TX, July 13, 2005.\*
224. "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.\*
225. "Potential Land Use Effects of the Trans-Texas Corridor." Texas DOT Research Management Committee Meeting, Austin, TX, June 6, 2005.\*
226. "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.
227. "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.

228. "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.
229. "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.\*
230. "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.\*
231. "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.\*
232. "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.
233. "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.\*
234. "Public Perceptions of Toll Roads: an Interim Report." Texas DOT Research Management Committee Meeting, Austin, TX, June 9, 2004.\*
235. 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.
236. "Extending the Random-Utility-Based Multiregional Input-Output Model: Incorporating Land-Use Constraints, Domestic Demand and Network Congestion in a Model of Texas Trade." Compendium of the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
237. "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.
238. "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.
239. "Cities & Satellite Imagery: Models for Regional Change." Presented at the 14th Annual ITS-America Meeting & Exposition, San Antonio, TX, April 26-28, 2004.
240. 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.
241. "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.\*
242. "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.\*
243. "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.\*
244. "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.\*
245. "Cities and Satellite Imagery: Models for Regional Change." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.
246. "Credit-Based Congestion Pricing: Travel Land Value & Welfare Impacts." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.

247. "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.
248. "Chaotic Systems Modeling: Applications for Transportation." Presented at the INFORMS Conference, Atlanta, GA, October 19-22, 2003.
249. "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.\*
250. "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.\*
251. "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).
252. "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.\*
253. 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.
254. Presented "Improving Teaching under a Heavy Research Load" at U.T. College of Engineering's New Faculty Seminar, April 16, 2003.
255. "Improving Teaching under a Heavy Research Load." U.T. College of Engineering's New Faculty Seminar, April 16, 2003.\*
256. 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.\*
257. "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.\*
258. Presented research on Credit-Based Congestion Pricing to the Capitol Area Metropolitan Planning Organization (CAMPO), Austin, TX, January 31, 2003.\*
259. "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.
260. "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.
261. "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.
262. "Spatial Input-Output Models: Solution Existence and Uniqueness." Presented at the 49th Annual North American RSAI Meetings, San Juan, PR, November 14-16, 2002.\*
263. "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.\*
264. "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.\*
265. Invited presentation titled "Congestion 101" for UCLA Symposium titled Tackling Traffic Congestion, Lake Arrowhead, CA, October 2002.
266. "The Integrated Modeling of Land Use-Transport Systems." Presentation to Ford Motor Company, Dearborn, MI, July 25, 2002.\*
267. "Modeling Urban Futures of Land Use-Transport Systems." Presentation to USIT Seminar Series, University of Texas at Austin, Austin, TX, June 27, 2002.\*

268. "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.\*
269. "Accessibility Indices: A Connection to Residential Land Prices and Location Choices." Presented at IVT, ETH University - Honggerberg, Zurich, Switzerland, May 31, 2002.\*
270. "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.\*
271. 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.
272. "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.\*
273. "Overall Injury Risk to Different Drivers: Combining Exposure, Frequency, and Severity Models." Presentation at The University of Illinois, Urbana, IL, March 12, 2002.\*
274. "Uncertainty Propagation in four-step and Integrated Land Use-Transportation Models." Presented to the Bureau of Transportation Statistics, Washington, DC, December 11, 2001.\*
275. "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.\*
276. "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.\*
277. "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.\* (with Yeonjoo Min)
278. "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.\*
279. "Investigation of the Impact of Frontage Roads: A Final Research Report." Texas DOT Research Management Committee Meeting, San Antonio, TX, November 7, 2001.\*
280. "What to Do After Engineering Graduation?" Presentation to students of Chi Epsilon, ASCE, & SWE at University of California, Berkeley, CA, September 28, 2001.\*
281. "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.\*
282. "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.\*
283. "Sidewalk Cross-Slopes and the ADA." Presentation to the TxDOT Research Management Committee meeting, Arlington, TX, June 2001.\*
284. "Student Grades and Course Evaluations in Engineering: What Makes a Difference?" Presented at the ASEE Annual Conference, Albuquerque, NM, June 24-27, 2001.\*
285. "Congestion Pricing and Roadspace Rationing: An Application to the San Francisco Bay Bridge Corridor." Compendium of the Eighth TRB Conference on the Application of Transportation Planning Methods, pp. 32-44, Corpus Christi, TX, April 2001.\*
286. "Key Concepts for a New Integrated Transport Land Use Model." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
287. "Review of Combined Input-Output and Commodity Flow Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
288. "Comparison of Integrated and 'Linked' Land Use - Transportation Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
289. 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.\*



290. "Use of the Logit Models for Accessibility Measurements." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
291. "The Propagation of Uncertainty through Travel Demand Models." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
292. "Network Equilibria: An Analysis of Existence, Uniqueness and Stability." Presented at the Southern Regional Science Conference, Austin, TX, April 2001.
293. "Student Grades and Course Evaluations in Engineering: What Makes a Difference?" Compendium, ASEE Gulf-Southwest Section Annual Conference, College Station, TX, March 29, 2001.\*
294. "The Integrated Modeling of Land Use-Transport Systems." Presentation to City College of New York, May 29, 2001.\*
295. "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.\*
296. "The Qualities and Benefits of Teamwork." Presentation to the Senior Engineering Honors Seminar, College of Engineering, University of Texas at Austin, February 10, 2001.\*
297. "The Propagation of Uncertainty through Travel Demand Models." Western Regional Science Association's Annual Meeting, Palm Springs, CA, February 2001.\*
298. "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.\*
299. "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.\*
300. "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.\*
301. "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. (with Brian tenSiethoff)
302. "Microeconomic Perspectives on Travel Behavior and Valuation Research." pp. 279-288, Workshop Report for the International Association of Travel Behavior Research Conference of 2000.\* (with Sergio Jara-Diaz)
303. "Uncovering the Hidden Costs of Light-Duty Trucks." Engineering Faculty Advisory Committee, Semiannual Meeting, September 1999. \*
304. "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.\*

### **Community Outreach/Education: Public Service Presentations and Other Activities**

1. Co-organized MLK Day of Service (held on January 15, 2018) at Kealing Middle School.
2. Attended UT Austin's Energy Week symposium, at the Alumni House, February 7-10, 2017.
3. Presentation titled "Nonverbal Communication" for UT's *Eyes on Teaching* program, February 2, 2017.
4. Co-organized MLK Day of Service (event held January 21, 2017) at Kealing Middle School.
5. Organized "Creating Community at Kealing" events (dinner parties, potlucks, & pool parties) for 6<sup>th</sup> graders and Kealing Middle School families, raising funds for Kealing PTA. Spring & Summer 2017.
6. Organized "Creating Community at Kealing" events (dinner parties, potlucks, & pool parties) for 6<sup>th</sup> graders and Kealing Middle School families, raising funds for Kealing PTA. Spring & Summer 2016.
7. Co-organized MLK Day of Service (event held January 23, 2016) for beautification efforts in Austin's African American Cultural Heritage District, with Huston-Tillotson University, Blackshear Elementary School, and Kealing Middle School.
8. Chaperone at Kealing Middle School's 3-day Theatre Retreat at Camp Buckner, to prepare for Oklahoma! musical, December 4-6, 2015.

9. Multiple (short) presentations at the “*Summer Interdisciplinary Environmental Study Course & Faculty Planning Workshop*” for new NSF-based Sustainable Research Network project (in Atlanta, GA), August 16-20, 2015.
10. Presentation of “Carsharing on the Rise” at UT’s Transportation & Sustainability Fair, April 15, 2015.
11. Presenter and panelist on transportation-related topics at UT Energy Institute’s Symposium, titled “Energy Infrastructure with Architectural and Civil Engineers,” April 2, 2015.
12. Science Fair Judge, Casis Elementary School, December 3, 2014.
13. Math Enrichment Facilitator for gifted 5<sup>th</sup> graders at Casis Elementary School, Fall 2014.
14. Presentation titled “Ethics in Describing Data, Attribution, Publishing, Authorship, & Teaching.” Given to Graduate Students in Transp. Engineering on July 16, 2014.\*
15. Judge for Casis Elementary School Science Fair 2013, January 30, 2013.
16. Presentation to third graders at Career Day for Casis Elementary School, on the practice of transportation engineering, Austin, TX, March 2012.\*
17. Presentation to fifth graders at Career Day for Casis Elementary School, on the practice of transportation engineering, Austin, TX, May 2012.\*
18. Presentation to UT Transportation Engineering graduate students: “Ethics for Graduate School and Beyond,” August 9, 2011.\*
19. Helped manage “Science in a Box” program and contributor to “Health and Welfare” news series for students at Casis Elementary School, September 2010 – May 2011.\*
20. “Plug-in Electric Vehicles: Their Technology, Use, and Impacts.” Presentation to U.T. LAMP (Learning Activities for Mature People) Association, University of Texas Campus, Austin, TX, April, 2011.\*
21. “To Drive or Not to Drive? Transportation Engineering. Women in Engineering at U.T. (WE@U.T.) camp for high school senior girls, University of Texas Campus, Austin, TX, July 2010.
22. “To Drive or Not to Drive? Transportation Engineering. Women in Engineering at U.T. (WE@U.T.) day-camp titled “Consider Every Option” (CEO) for female high school students, University of Texas Campus, Austin, TX, June 2010.
23. Panelist on “Supervisory Skills – A Range of Styles”, as part of a professional development workshop for UT’s Women in Engineering’s Graduates Linking with Undergraduates (GLUE) program, April 7, 2010.\*
24. Presentation on recycling, climate change and related topics, titled “Protecting the Planet,” for students at Casis Elementary School, as part of Earth Month celebration, April 5, 2010.\*
25. Presentation on training and engineering experiences from 2-year Peace Corps service in Ecuador, given to University of Maryland students at the request of Prof. David Lovell, March 31, 2010.\*
26. Presentation to second graders at Career Day for Casis Elementary School, on the practice of transportation engineering, Austin, TX, March 12, 2010.\*
27. Two-weeks of meetings with transportation policymakers and policy experts in Washington, D.C., October 1-15, 2009.\*
28. Newsletter and other contributions to the City of Austin’s Child Walk-to-School Safety Program at Casis Elementary School, Fall 2009.\*
29. “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.\*
30. “An Inconvenient Truth.” Led discussion of Al Gore’s book at the U.T. Freshman Reading Round-Up, August 25, 2009.\*
31. “An Inconvenient Truth.” Led discussion of Al Gore’s book at the U.T. Freshman Reading Round-Up, on August 26, 2008.\*
32. “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.
33. “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.\*

34. "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.\*
35. "An Inconvenient Truth." Led discussion of Al Gore's book at the U.T. Freshman Reading Round-Up, on August 28, 2007.\*
36. "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.
37. Invited presentation of current research modeling efforts for Senator Kirk Watson's Mobility Financing Task Force Group Meeting, Austin, TX, February, 23, 2007.\*
38. 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.\*
39. Presentation relating to Travel Demand Models & Air Quality at ECT-Livable City-CAMPO (Capital Area Metropolitan Planning Organization Meeting, Austin, TX, November 3, 2005.\*
40. "Congestion 101: Transportation Supply, Demand, and Solutions." Presented to general public attending Explore U.T. Open House, March 1, 2003.\*
41. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, February 22, 2003.\*
42. "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.\*
43. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, February 23, 2002.\*
44. "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.\*
45. "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.\*
46. "Designing Away Death." Expanding Your Horizons Conference, University of Texas Campus, Austin, TX, March 24, 2001.\*
47. "Driving Dangerously: Roadway Design & Crash Consequences." Presented to general public attending Explore U.T. Open House, March 3, 2001.\*
48. "Working Women in Today's Society: A Personal Look at Women in Non-Traditional Fields." Panel Member. The University of Texas, October 30, 2000.\*
49. "To SUV or Not to SUV, That is the Question." University of Texas Interactive, Austin, TX, March 1999.\*
50. "Designing Away Death." The University of Texas Minority Introduction to Transportation Engineering, (MITE), Austin, TX, June 1999.\*
51. "Designing Away Death." The University of Texas Honors Colloquium, Austin, TX, June 1999.\*
52. "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.\*

## **TECHNICAL REPORTS**

1. Kara Kockelman, Jooyong Lee, Ronald Matthews, Matthew Hall, and Matt Leonard, TxDOT 6975-1 final report "Conversion of TxDOT Dump Truck Engines, Environmental Impacts of Self-Driving Vehicles", July 2019.
2. Loftus-Otway, L., Jiang, N., Cramer, P., Oaks, N., Wilkins, D., Kockelman, K., and Murphy, M.R. "Incorporation of Wildlife Crossings into TxDOT's Projects and Operations" TxDOT Final Report (FHWA/TX-19/0-6971-1), March 2019.
3. Kara Kockelman, Yantao Huang, and Neil Quarles, CM2 technical report CM2-22 "The Rise of Long-Distance Trips, in a World of Self-Driving Cars: Anticipating Trip Counts and Evolving Travel Patterns Across the Texas Triangle Megaregion" technical report for Cooperative Mobility for Competitive Megaregions, April 2019.
4. Kara Kockelman, Paul Avery, Stephen Boyles, Chris Claudel, Jia Li, Prateek Bansal, Dan Fagnant, Duncan Stewart, Technical Report FHWA 0-6849: "Implications of Connected and Automated Vehicles

- on the Safety, and Operations of Roadway Networks: A Final Report.” Final Report for TxDOT research project 0-6849, CTR, UT Austin, TX, published October 2016.
5. Kara Kockelman, Stephen Boyles, Peter Stone, Dan Fagnant, Rahul Patel, Guni Sharon, Michael Levin and others. Report FHWA 0-6847: “An Assessment of Autonomous Vehicles: Traffic Impacts and Infrastructure Needs,” final report for TxDOT research project 0-6847, CTR, UT Austin, submitted December 2016.
  6. Kara Kockelman, Stephen Boyles, Chris Claudel, Paul Avery, Peter Stone, Lisa Loftus-Otway, Wendy Wagner and others. “Technical Report FHWA 0-6838-2: Bringing Smart Transport to Texans: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas.” Final Report for TxDOT research project 0-6838, CTR, UT Austin, submitted August 2016.
  7. Robert Cervero, Kara Kockelman, Resource Systems Group, Fehr & Peers and Richard Kuzmyak. SHRP Report S2-C16-RR-1: “Effects of Smart Growth Policies on Travel Demand,” 2014.
  8. Daniel Fagnant and Kara Kockelman. “The Future of Fully Automated Vehicles: Opportunities for Vehicle-and Ride-Sharing, with Cost and Emissions Savings.” Southwest Region University Transportation Center Report No. 600451-00081-1, August 2014.
  9. Richard Kuzmyak, Jerry Walters, Mark Bradley, and Kara Kockelman. “NCHRP Report 770: Estimating Bicycling and Walking for Planning and Project Development: A Guidebook.” Transportation Research Board, National Academy of Sciences, Washington D.C. 2014.
  10. Kevin Hall, Kara Kockelman, James Andrew Mullins, Donna Chen, Daniel Fagnant, Stephen Boyles. “Developing Tolled-Route Demand Estimation Capabilities for Texas: “Opportunities for Enhancement of Existing Models.” Report 0-6754-1, TxDOT, CTR, UT Austin, TX, August 2014.
  11. Colin Smith, Maren Outwater, Jerry Walters, Brian Welch, Robert Cervero, Richard Kuzmyak and Kara Kockelman. “Effect of Smart Growth Policies on Travel Demand” Transportation Research Board, Strategic Highway Research Program (SHRP 2) Report S2-C16-RR-1. Published July 2014. [http://onlinepubs.trb.org/onlinepubs/shrp2/SHRP2\\_S2-C16-RR-1.pdf](http://onlinepubs.trb.org/onlinepubs/shrp2/SHRP2_S2-C16-RR-1.pdf)
  12. Daniel Fagnant and Kara Kockelman. “Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations.” Eno Center for Transportation, October 2013
  13. Randy Machemehl, Kara Kockelman, T. Donna Chen, Bridget Bienkowski, Lisa Smith and Zhanmin Zhang. “Travel Demand Management Guidebook.” Report 6-0702-P2, TxDOT, CTR, UT Austin, TX, September 2013.
  14. Kara Kockelman, T. Donna Chen, Katie Larsen and Brice Nichols. “The Economics of Transportation Systems: A Reference for Practitioners.” Report 0-6628-P1, TxDOT, CTR, UT Austin, TX, January 2013.
  15. Kara Kockelman and T. Donna Chen. “A Transportation Economic Reference for Practitioners: Final Report.” Report 0-6628-1, TxDOT, CTR, UT Austin, TX, October 2012. Kara Kockelman, Dan Fagnant, Brice Nichols, Stephen Boyles. “A Project Evaluation Toolkit (PET) for Abstracted Networks: Final Report.” Report 0-6487-1, TxDOT, CTR, UT Austin, TX, October 2012. Kara Kockelman, Dan Fagnant, Brice Nichols and Steve Boyles. “Project Evaluation Toolkit (PET) for Abstracted Networks: Final Implementation Report.” Report 5-6235-01, TxDOT, CTR, UT Austin, TX, August 2012. Kara Kockelman, Dan Fagnant, Brice Nichols and Stephen Boyles. “User’s Guide for PET: Project Evaluation Toolkit, A Sketch-Planning Toolkit for Evaluating Highway Transportation Projects.” Report 0-6487 P1 and 5-6235-01 P1, TxDOT, CTR, UT Austin, TX, August 2012. M. Outwater, C. Smith, J. Walters, B. Welch, R. Cervero, K. Kockelman, J. R. Kuzmyak. “SHRP 2 C16, The Effect of Smart Growth Policies on Travel Demand, Preliminary Draft, SmartGAP User’s Guide.” Strategic Highway Research Program (SHRP) II Project C16, August 2012.
  20. P. Vovsha, B. Donnelly, M. Bradley, J. Bowman, H. Mahmassani, T. Adler, K. Small, D. Brownstone, K. Kockelman, J. Wolf and F. Koppelman. “Improving Our Understanding of How Highway Congestion and Pricing Affects Travel Demand.” Phase III: Revised Final Report, Executive Summary and Technical Report, for TRB’s Strategic Highway Research Program (SHRP) II, Project C04, January 2012.

21. Binny Paul, Kara Kockelman and Sashank Musti. "The Light-Duty-Vehicle Fleet's Evolution: Anticipating PHEV Adoption and Greenhouse Gas Emissions Across the U.S. Fleet." SWUTC/2011/161023-1, UT Austin, 2011.
22. Kara Kockelman, Ard Anjomani, Binny Paul, Dian Nostikasai, Ali Tayyebi and Gehandra Kharel. "Design and Application of Accessible Land-Use Modeling Tools for Texas Regions." Report 5-5667-01, TxDOT, CTR, UT Austin, TX, 2011.
23. Mobashwir Khan and Kara Kockelman. "Predicting the Market Potential of Plug-In Electric Vehicles using Multiday GPS Data." SWUTC/2011/161123-1, UT Austin, TX, December 2011.
24. Resource Systems Group, Inc., Fehr & Peers, R. Cervero, K. Kockelman, and Renaissance Planning Group. "The Effect of Smart Growth Policies on Travel Demand." Interim Report, Strategic Highway Research Program (SHRP) Project 2 C16. Transportation Research Board, National Academy of Science. June 2011.
25. J. Richard Kuzmyak, Kara Kockelman, John Bowman, Mark Bradley, Keith Lawton & Richard H. Pratt. "Estimating Bicycling and Walking for Planning and Project Development; Task 3 Interim Report." NCHRP Project No. 08-78, March 2011.
26. Transportation Electrification Panel. "Plug-in Electric Vehicles: A Practical Plan for Progress" report (facilitated by Indiana University's School of Public Affairs, and available at [http://www.indiana.edu/~spea/pubs/TEP\\_combined.pdf](http://www.indiana.edu/~spea/pubs/TEP_combined.pdf)), 2011.
20. Kara Kockelman, Chi Xie, Dan Fagnant, Tammy Thompson, Elena McDonald-Buller and Travis Waller. "Comprehensive Evaluation of Transportation Projects: A Toolkit for Sketch Planning." Report 0-6235-1, TxDOT, CTR, UT Austin, TX, October 2010.
21. C.M. Walton, Robert Harrison, Bridget Bienkowski, Kara Kockelman, Anjela J. Weissmann, Jose Weissmann, A.T. Papagaiannakis, Mijia Yang, Jaya L. Kunsietty. "Potential Use of Longer Combination Vehicles in Texas: Second Year Report." Report 0-6095-2, TxDOT, CTR, UT Austin, TX, October 2010.
22. C.M. Walton, Jolanda Prozzi, Alejandra Cruz-Ross, Kara Kockelman, Alison Conway, Daniel Evans and Robert Harrison. "Potential Use of Longer Combination Vehicles in Texas: First Year Report." Report 0-6095-1, TxDOT, CTR, UT Austin, TX, May 2010.
23. Kara Kockelman. "Towards Behaviorally-Consistent Integrated Transport-Land Use Models, in Support of Infrastructure System Decisions." Final Research Report for the National Science Foundation (CAREER Award) # CMS - 9984541. UT Austin, TX, January 2010.
24. Sashank Musti and Kara Kockelman. "Evolution of the Household Vehicle Fleet: Anticipating Fleet Composition, Plug-In Hybrid Electric Vehicle (PHEV) Adoption and Greenhouse Gas (GHG) Emissions in Austin, Texas." SWUTC/2009/169202-1, UT Austin, TX, 2010.
25. Sumala Tirumalachetty and Kara Kockelman. "Microsimulation of Household and Firm Behaviors: Anticipation of Greenhouse Gas Emissions for Austin, Texas." SWUTC/2009/167272-1, UT Austin, Austin, TX, December 2009.
26. Jose A. Gomez-Ibanez et al., "Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO<sub>2</sub> 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 Traveled and Energy Consumption, Transportation Research Board. UT Austin, TX, August 2009.
27. 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. UT Austin, TX, June 2009.
28. 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." Report 0-5686-1, TxDOT, CTR, UT Austin, TX, October 2008.
29. Peter, Vovsha, Kara Kockelman, Robert Donnelly, Ken Small, Thomas Adler, Mark Bradley and Hani Mahmassani. "Improved Framework and Tools for Highway Pricing Decisions." National Cooperative Highway Research Program (NCHRP) Project HR 08-57 Interim Report Volume 1: Decision-Making

- Framework for Highway Pricing and Volume 2: Travel Demand Forecasting Tools for Pricing Projects. PB and Teammates, final version submitted December 2008.
30. 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, UT Austin, TX, December 2008.
  31. Kara Kockelman, Jennifer Duthie, Siva Karthik Kakaraparathi, Bin (Brenda) Zhou, Ardeshir Anjomani and Sruti Marepally. "An Examination of Land Use Models, Emphasizing UrbanSim, TELUM, and Suitability Analysis." Report 0-5667-1, TxDOT, CTR, UT Austin, TX, October 2008.
  32. Saurabh Kumar and Kara Kockelman. "Microsimulation of Household and Firm Behaviors: Coupled Models of Land Use and Travel Demand in Austin, Texas." SWUTC/2007/167262-1, UT Austin, TX, December 2007.
  33. Alba Webb, Jarett Spinhirne, Shashank Gadda, Yosuke Kimura, Laura Gonzales, Cyril Durenberger, Gary McGaughey, 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)." Report 0-5191-1, TxDOT, CTR, UT Austin, TX, October 2006.
  34. Carlos Caldas, Z. Zhang, K. Kockelman, K. Persad, D. Medina, and E. Chung. "Best Practices in Right-of-Way Valuations and Negotiations Report." Report 0-5379-1, TxDOT, CTR, UT Austin, TX, January 2007.
  35. Kara Kockelman, C. Caldas, Z. Zhang, Lu Gao, and Raquel Escatel. "Estimating the Cost of Right-of-Way Acquisitions Along Texas Corridors." Report 5-4079-1, TxDOT, CTR, UT Austin, TX, August 2006.
  36. Kara Kockelman, Carlos Caldas, Zhanmin Zhang, Raquel Escatel, and Lu Gao. "Right-of-Way Cost Estimating Tool User Manual." Report 5-4079-01-P1, TxDOT, CTR, UT Austin, TX, August 2006.
  37. C. Caldas, Z. Zhang, K. Kockelman, K. Persad, E. Chung, and D. Medina. "TxDOT Guidebook for Right-of-Way Valuations and Negotiations." Report 0-5379-P2, TxDOT, CTR, UT Austin, TX, August 2006.
  38. Carlos Caldas, Zhanmin Zhang, Kara Kockelman, Khali Persad, Doris Medina, and Eugene Chung. "Synthesis of Best Practices in Right-of-Way Valuations and Negotiations." Report 0-5379-P1, TxDOT, CTR, UT Austin, TX, August 2006.
  39. Kara Kockelman, J. 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, UT 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](http://www.ce.utexas.edu/prof/kockelman/public_html/NCHRPSpeedLimits17-23.pdf), April 2006.
  40. Michelle Bina and Kara Kockelman. "Household Location Choices: The Case of Homebuyers and Apartment Dwellers in Austin, Texas." SWUTC/06/167552-1, UT Austin, TX, April 2006.
  41. Kara Kockelman and Jianming Ma. "Rural Two-Lane Roadway Crash Analysis." Report 0-4965, TxDOT, CTR, UT 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.)
  42. 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." Report 0-4634-1, TxDOT, CTR, UT Austin, TX, October 2005.
  43. Kara Kockelman, Khali Persad, Travis Waller, Sukumar Kalmanje, Satish Ukkusuri, Stephen Boyles, Pradeep Gulipalli, and Saurabh Bansal. "Toll Road Project Selection and Evaluation of Impacts." Report 0-4637-2, TxDOT, CTR, UT Austin, TX, 2005. (Not finalized for public distribution, due to policy controversies.)
  44. K. Kockelman, K. Podgorski, and M. Bina. "Public Perceptions of Pricing Existing Roads and Other Transportation Policies: The Texas Perspective." Report 0-4817-1&2, TxDOT, CTR, UT Austin, TX, 2005. (Not finalized for public distribution, due to policy controversies.)

45. 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." Report 0-4079-1, TxDOT, CTR, UT Austin, TX, October 2004.
46. Khali R. Persad, S. Bansal, S. Kalmanje, Pradeep Gulipalli, and Kara Kockelman. "Impacts of Toll Projects and Methodology for Candidate Evaluation." Report 0-4637-1, TxDOT, CTR, UT Austin, TX, 2004. (Not finalized for public distribution, due to policy controversies.)
47. Kara Kockelman, W. Curtis Bouldin, S. Hakimi, and R. Machemehl. "Freeway Design Decisions for Revised Frontage Road Policy." Report 5-1873-01-1, TxDOT, CTR, UT Austin, TX, January 2004.
48. Sukumar Kalmanje and Kara Kockelman. "Credit-Based Congestion Pricing: A Policy Proposal and the Public's Response." SWUTC/03/167822-1, UT Austin, TX, October 2003.
49. Surabhi Gupta, Sukumar Kalmanje, and Kara Kockelman. "Road Pricing Simulations: Traffic, Land Use and Welfare Impacts." SWUTC/04/167242-1, UT Austin, TX, October 2003.  
<http://swutc.tamu.edu/Reports/167242-1.pdf>
50. Sukumar Kalmanje and Kara Kockelman. "Credit-Based Congestion Pricing: Travel, Land Values and Welfare Impacts." SWUTC/03/167822-2, UT Austin, TX, October 2003.
51. 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." Report 0-4420-2, TxDOT, CTR, UT Austin, Austin, TX, September 2003.
52. Sriram Krishnamurthy and Kara Kockelman. "Uncertainty in Integrated Land Use-Transport Models: Simulation and Propagation." SWUTC/02/167523-1, UT Austin, TX, September 2002.
53. 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." Research Report 0-4938-4, TxDOT, CTR, UT Austin, TX, October 2002.  
Susan Handy, Bob Paterson, Chandra Bhat, Kara Kockelman, J. Song, Jayanthi Rajamani, and Juchul Jung. "Techniques for Mitigating Urban Sprawl." Report 0-4420-1, TxDOT, CTR, UT Austin, TX, August 2002. (missing from CTR website)
55. 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." Report 0-1873-S, TxDOT, CTR, UT Austin, TX, October 2001.
56. Kara Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities." Project 0-4171-1, TxDOT, CTR, UT Austin, TX, October 2001.
57. 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." Report 1843-S, TxDOT, CTR, UT Austin, TX, October 2001.  
Kara M. Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. "Sidewalk Cross-Slope Design: Analysis of Accessibility for Persons with Disabilities- A Summary." Report 0-4171-S, TxDOT, CTR, UT Austin, TX, October 2001.  
Kara M. Kockelman, Lydia Heard, Young-Jun Kweon, and Tom Rioux. "Sample Size Expansion of Sidewalk Cross Slope Variability with Respect to the Americans with Disabilities Act Accessibility Guidelines." Report 0-4171-2, TxDOT, CTR, UT Austin, TX, October 2001.
60. Kara M. Kockelman, Randy Machemehl, Aaron Overman, Marwan Madi, Jacob Sesker, Jean (Jenny) Peterman, and Susan Handy. "Frontage Roads in Texas: A Comprehensive Assessment." Report 0-1873-2, TxDOT, CTR, UT Austin, TX, October 2001.
61. Chandra Bhat, S. Handy, Kara Kockelman, H.S. Mahmassani, Q. Chen, I. Srour, and Lisa Weston, "Assessment of Accessibility Measures." Report 4938-3, TxDOT, CTR, UT Austin, TX, August 2001.  
Kara Kockelman, Siva Srinivasan, and Susan Handy. "Economic Effects of Highway Relief Routes on Small- and Medium-Size Communities: An Econometric Analysis." Report 1843-2, TxDOT, CTR, UT Austin, TX, May 2001.
63. 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.

64. Yong Zhao and Kara Kockelman. “The Propagation of Uncertainty Through Travel Demand Models.” SWUTC/00/167804-1, UT Austin, TX, October 2000.
65. Chandra Bhat, Susan Handy, Kara Kockelman, Hani S. Mahmassani, Qinglin Chen, and Lisa Weston. “Accessibility Measures: Formulation Considerations and Current Applications.” Report No. 4938-2, TxDOT, CTR, UT Austin, TX, September 2000.
66. 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.” Report No. 1873-1, TxDOT, CTR, UT Austin, TX, August 2000.
67. Chandra Bhat, S. Handy, Kara Kockelman, H. S. Mahmassani, Q. Chen, and L. Weston. “Urban Accessibility Index – Literature Review.” Report No. 4938-1, TxDOT, CTR, UT Austin, TX, May 2000.
68. Kara Kockelman, Yong Zhao, and Chessalay Blanchard-Zimmerman. “Methods for Meeting the Intent of the ADA in Sidewalk Cross-Slope Design.” Report No. 4933-S (also containing 4933-1), TxDOT, CTR, UT Austin, TX, January 2000.
69. Featured Speaker at U.T.’s Student Chapter of the Institute of Transportation Engineer’s Meeting, September 29, 1998.

**UNPUBLISHED MANUSCRIPTS**

1. Borgonovo, Emanuelle\*, Marco Percoco, Ricardo Polizzi, and Kara Kockelman. “Sensitivity Analysis of a Gravity-Based Land Use model: The Importance of Scenarios.” 2014.
2. Xi, Jian, Kara Kockelman, and Yiyi Wang. “Modeling Crash and Fatality Counts along Mainlanes and Frontage Roads Across Texas: The Roles of Design, the Built Environment, and Weather.” 2014.
3. Kara Kockelman. “Transportation and Land Use Solutions for Low-Carbon Cities.” 2010.
4. Habib, Khandker N. and Kara Kockelman. “Modeling the Choice of Residential Location and Home Type: Recent Movers in Austin, Texas.” 2008.
5. Gadda, Shashank, Kara Kockelman and Atul Magoan. “Estimates of AADT: Quantifying the Uncertainty.” 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.
7. Kara Kockelman, 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.
8. 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.
9. Reckinger, Jamie, Michael Bomba, and Kara Kockelman. “Difficulties of Beyond Long-Range Planning for Transportation Projects: Case of the Trans-Texas Corridor.” 2004.
10. Kweon, Young-Jun and Kara Kockelman. “Nonparametric Regression Estimation of Household VMT.” 2004.
11. Kara Kockelman 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. (A short form of this dissertation was published in *Transportation Research Part B*.)

**RESEARCH GRANTS AND CONTRACTS**

<i>Co-Investigators</i>	<i>Title</i>	<i>Agency</i>	<i>Grant Total (Kockelman’s share)</i>	<i>Grant Period</i>
1. Krishna Kumar	Facilitating Timely & Efficient Evacuation of Texas Cities using Shared and Autonomous Vehicle Fleets	UT Austin, Planet Texas 2050	\$30,000 (\$30,000)	9/1/19-8/31/20



2. None.	Argonne National Laboratory Research Proposal	Argonne National Lab, DOE	\$98,023 (\$98,023)	9/1/18-8/31/19
3. None.	Impact of Shared Autonomous Vehicles on Airport Access & Operations, with Opportunities for Revenue Recovery	NAE's Aviation Coop. Research Program (ACRP)	\$12,000 (\$12,000)	9/1/18-8/15/19
4. Ron Matthews, Matt Hall, Tom Hughes	NSF IUCRC – Efficient Vehicles & Sustainable Transportation Systems	NSF & TxDOT	>\$300,000 (\$160,000)	9/1/17-9/1/19+
5. Zhang, Ming (Center director)	UTC Tier 1 Center: Cooperative Mobility for Competitive Megaregions	US Dept of Transportation	\$40,000 (\$40,000)	9/1/17-12/31/18
6. Lisa Loftus-Otway (PI), Michael Murphy, Gian Claudia Sciara, Patricia Cramer, Nan Jiang	Incorporating Wildlife Crossing into TxDOT's Project Development, Design and Operations Processes	TxDOT (0-6971)	\$271,914 (\$70K)	7/31/17-2/28/19
7. A. Ramaswami, Patricia Culligan, Armistead Russell, et al.	SRN: Integrated Urban Infrastructure Solutions for Environmentally Sustainable, Healthy & Livable Cities	NSF (14-534)	\$12 Million (\$475K)	9/15/15-9/14/18
8. S. Boyles, C. Claudel, SwRI, P. Stone, J. Andrews, W. Wagner, L. Loftus-Otway*	Bringing Smart Transport to Texans: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas	TxDOT (0-6838)	\$3 Million (\$1.6M)	1/1/15-8/31/18
9. S. Boyles, C. Claudel, P. Stone, J. Li, D. Stewart*	An Assessment of Autonomous Vehicles: Traffic Impacts & Infrastructure Needs	TxDOT (0-6847)	\$351, 888 (\$175K)	1/1/15-1/1/17
10.S. Boyles, C. Claudel, J. Li, D. Stewart*	Implications of Automated Vehicles on Safety, Design & Operation of the Texas Highway System	TxDOT (0-6849)	\$275,401 (\$150K)	1/1/15-8/30/16
11. None* Note: GIFT	Anticipating & Mitigating the Latent Demand Effects of Self-Driving Vehicles: A Role for Data-Driven Modeling & Credit-Based Congestion Pricing	Google	\$70,000 (\$70k)	8/19/2014
12. None* Note: GIFT	Anticipating Light-Duty Vehicle Demand & Usage in India	Ford Motor Company	\$30,000 (\$30K)	4/05/2014

13. J. Duthie	UT's Network Modeling Center: Trip Table Comparisons & Effects of Land Use Changes	TxDOT & CAMPO	\$900K (\$40.7K)	6/01/12 – 8/31/16
14. R. Baldick	NSF IURC Electric Vehicles: Research Experience for Undergraduates	NSF	\$8,000 (\$8K)	9/20/13 – 7/31/15
15. None*	AASHTO Manual Revision	TxDOT	\$3,000 (\$3K)	5/1/13 – 7/31/13
16. R. Baldick, S. Boyles	NSF Industry-University Research Center on Electric Vehicles: Transportation & Electricity Convergence <u>Project 2</u> : The Air Quality Impacts of AV Adoption	NSF & Industry Partners	\$210,000 (\$40K)	1/1/13 – 7/31/15
17. None*	Anticipating Long-Term Energy and GHG Emissions Impacts of Autonomous Vehicles	SWUTC	\$76,200 (\$76.2K)	12/1/12 – 8/31/14
18. K. Hall, S. Boyles	Review of Tolling Approaches for Implementation within TxDOT's Travel Demand Model	TxDOT (0-6754)	\$160,941 (\$72.9K)	9/1/12 – 11/30/13
19. None *	Life-cycle Costs & Benefits of Different Land Use & Transportation Patterns	SWUTC	\$79,285 (\$79 K)	5/1/12 – 1/31/15
20. R. Machemehl, Z. Zhang	Demand Leveling and Roadway Pricing for Managing Congestion in Transportation Networks	TxDOT	\$75,000 (\$9K)	3/1/12 – 9/30/12
21. A. Ramaswami, L. Baker, L. Bank, M. Chertow, P. Romero-Lankao	Research Coordination Network for Sustainable Cities: People and the Energy-Climate-Water Nexus	NSF	\$749,704 (\$15K)	1/1/12 – 12/31/16
22. Academic Development Funds*	Design and Evaluation of Ground-Based Transportation Systems	UT Austin College of Engineering	\$12,194 (\$12.2K)	9/1/11 – 8/31/12
23. Z. Zhang, M. Murphy	Relationship between Safety & Reduced Roadway Condition Maintenance	TxDOT	\$273,894 (\$56K)	9/1/11 – 8/31/13
24. T. Edgar, R. Baldick, M. Webber, & Others	Sustainable Grid Integration of Distributed & Renewable Resources (IGERT)	NSF	\$3,071,000 (\$81K)	9/1/11 – 8/31/14
25. S. T. Waller, R. Baldick, R. Machemehl	NSF Industry-University Research Center on Electric Vehicles: Transportation & Electricity Convergence	NSF & Industry Partners	\$623,448 (\$40K)	9/1/10 – 12/31/12

	<u>Project 1: Predicting the Market Potential of Plug-In Electric Vehicles Using Multiday GPS Data</u>			
26. (None) *	Implementation of Project Evaluation Toolkit for Abstracted Networks	TxDOT	\$240,000 (\$240K)	6/1/11–8/31/12
27. (None) *	Evolution of the Nation’s Vehicle Fleet and GHG Emissions Reduction under Climate Policies	SWUTC	\$39,000 (\$39K)	9/1/10 – 8/31/11
28. C. Caldas, C. Bhat, L. Loftus-Otway, N. Hutson	Condemnation in Transportation Projects: Causes and Solutions	TxDOT	\$213,832 (\$61K)	9/1/10 – 8/31/11
29. F. Leite, L. Boske, Jolanda Prozzi *	Economic Considerations in Transportation System Development & Operations	TxDOT	\$270,000 (\$152K)	9/1/10 – 8/31/12
30. R.Kuzmyak, D. Pratt, M. Bradley, J. Bowman & others	Estimating Walking & Bicycling for Planning & Project Development	NCHRP	\$300,000 (\$37K)	5/1/10 – 4/30/12
31. S. Travis Waller, R. Machemehl, D. Sun	Safety Implications of Using Active Traffic Strategies on TxDOT Freeways	TxDOT	\$278,435 (\$24K)	9/1/09 – 8/31/11
32. (None)*	Evolution of Vehicle Fleet: Anticipating Fleet Composition, Use and PHEV Adoption	SWUTC	\$39,000 (\$39K)	9/1/09 – 8/31/10
33.S. Travis Waller, D. Sun*	Development of a Performance Measurement Based Methodology to Objectively Compare Operational Improvements with Capacity Additions	TxDOT	\$464,889 (\$425K)	9/1/09 – 8/31/12
34. (None) *	Land Use Model Program & Peer Review - Phase 2	NCTCOG	\$50,000 (\$50K)	5/1/09 – 12/31/10
35. X. (Cara) Wang *	Models for Dynamic Discrete Response Data with Spatial Autocorrelation: Specification and Estimation	NSF	\$240,000 (\$200.9K)	1/1/09 – 8/31/12
36. A. Anjomani *	Implementation of Accessible Land Use Modeling Tools for Texas Applications	TxDOT	\$215,920 (\$146K)	11/10/08 – 2/29/10
37.(None) *	Vehicle Ownership, Retirement and Use Decisions: Response to Rising Fuel Prices and Implications for Carbon Emissions Forecasts	SWUTC	\$39,000 (\$39K)	9/1/08 – 8/31/09
38.C.M. Walton, Z. Zhang, R. Harrison, J.P. Prozzi, L. Loftus-	Longer Combination Vehicles & Road Trains for Texas?	TxDOT	\$423,000 (\$22K)	9/1/08 – 8/31/10

Ottway, J. Weissmann				
39. C. Bhat, S. T. Waller *	Sketch Planning Techniques to Assess Regional Air Quality Impacts of Congestion Mitigation Strategies	TxDOT	\$310,000 (\$190K)	9/1/08 – 8/31/10
40. (None) *	Land Use Modeling of the DFW Region – Phase 1	NCTCOG	\$71,175 (\$71K)	1/1/08 – 9/30/09
41. (None) *	Microsimulation for Coupled Models of Travel & Location Choice: Applications to Greenhouse Gas Emissions	SWUTC	\$40,000 (\$40K)	9/1/07 – 8/31/08
42. P. 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
43. (None)*	Greenhouse Gas Emissions Control Options: Opportunities for Conservation	NAS	\$11,000 (\$11K)	9/1/07-4/30/09
44. (None) *	Development of Next Generation of Travel Demand Models	El Paso MPO	\$9,600 (\$9.6K)	2/1/07 – 12/31/08
45. (None) *	Microsimulation for Coupled Models of Travel & Location Choice Behavior	SWUTC	\$38,600 (\$38.6K)	9/1/06 – 8/31/07
46. S. T. Waller, Z. 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
47. S. T. Waller, A. Anjomani *	Analysis and Guidelines for Establishing Unified Urban Land-Use and Transportation Planning Framework and Procedures	TxDOT	\$262,288 (\$172K)	9/1/06 – 8/31/08
48. P. 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
49. (None) *	Microsimulation for Models of Travel & Location Choice	SWUTC	\$31,000 (\$31K)	9/1/05 – 8/31/06
50. C. Caldas, K. Persad, Z. Zhang	Best Practices in ROW Valuations and Negotiations	TxDOT	\$84,943 (\$10K)	9/1/05 – 8/31/06
51. C. Caldas, Z. 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
52. (None) *	The Basis for Location Choice, vis-a-vis Transportation Demand	SWUTC	\$32,000 (\$32K)	9/1/04 – 8/31/05

53. J. Mounce (at TTI)*	Rural Two-Lane Roadway Crash Analysis	TxDOT	\$300,000 (\$140K)	9/1/04 – 3/31/06
54. D. Allen, E. C. McDonald-Buller	Investigation of Control Strategies for 8-hour Ozone Standard	TxDOT	\$311,082 (\$60K)	9/1/04 – 8/31/06
55. E. C. McDonald-Buller, B. Parmenter, & D. Allen	Predicting the Relative Impacts of Urban Development Policies and On-Road Vehicle Technologies on Air Quality in the U.S.: Modeling & Analysis of a Case Study in Austin, TX	U.S. EPA	\$650,000 (\$260K)	12/20/04 – 12/19/08
56. R. Machemehl, D. Luskin, & C. Bhat*	Public Perceptions of Toll Roads	TxDOT	\$270,000 (\$193K)	9/1/03 – 8/31/05
57. C.M. Walton, D. Luskin, & M. Bomba*	Potential Effects of the Trans-Texas Corridor on Land Use Patterns	TxDOT	\$200,000 (\$160K)	9/1/03 – 8/31/05
58. K. Persad, S.T. Waller, D. Luskin, M. Walton, & R. Machemehl*	The Role of Toll Projects in Enhancing Texas Transportation	TxDOT	\$231,612 (\$162K)	9/1/03 – 8/31/05
59. S.T. Waller, D. Luskin, & C. Bhat*	Application of Credit-Based Congestion Pricing in Texas: Operational Considerations & Impacts	TxDOT	\$215,000 (\$150K)	9/1/03 – 8/31/05
60. Jolanda Prozzi, C. Bhat, T.Rioux	Development of Sources and Methods for Securing Truck Travel Data in Texas	TxDOT	\$132,500 (\$10K)	9/1/03 – 8/31/04
61. (None)*	Credit-Based Congestion Pricing: Implementation and Welfare Calculations	SWUTC	\$32,000 (\$32K)	9/1/03 – 8/31/04
62. Academic Development Funds*	Bringing the Splendor of Statistics to All Students: Animation, Adaptive Problem Sets, & More	UT Austin College of Engineering	\$6,000 (\$6K)	9/1/03 – 8/31/04
63. (None)*	Research Experience for Undergraduates: Towards Behaviorally Consistent Integrated Transport-Land Use Models, in Support of Infrastructure Systems Decisions	NSF	\$15,000 (\$15K)	7/1/03 – 8/31/04
64. C.M. Walton	Coordinating Traffic Management Responses Between TxDOT Districts in Extraordinary Events	TxDOT	\$110,000 (\$10K)	9/1/02 – 8/31/03
65. C.M Walton & J. Jarrett*	Impacts of Land Use & Land-Use Change on Right of Way Cost	TxDOT	\$196,750 (\$170K)	9/1/02 – 8/31/04

66. (None)*	Credit-Based Congestion Pricing	SWUTC	\$ 27,000 (\$27K)	9/1/02 – 8/31/03
67. (None)*	Research Internship Program 2002/2003	U.T. Office of Grad. Studies	\$ 19,000 (\$19K)	9/1/02 – 5/31/03
68. 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
69. R. Machemehl, S. Handy*	Freeway Design Decisions for Revised Frontage Road Policy	TxDOT	\$172,000 (\$130K)	2/1/02 – 2/15/04
70. (None)* Note: GIFT	Towards Behaviorally Consistent Integrated Transport Land Use Models, In Support of Infrastructure Systems Decisions	Ford Motor Company	\$ 17,500 (\$17.5K)	1/1/02
71. (None)*	Uncertainty in Integrated Land Use-Transport Models: Simulations & Propagation	SWUTC	\$ 25,500 (\$25.5K)	9/1/01 – 8/31/02
72. S. Handy, C. Bhat, R. Patterson	Techniques for Mitigating Urban Sprawl	TxDOT	\$190,000 (\$40K)	9/1/01 – 8/31/03
73. T. 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
68-70. (None)*	Towards Behaviorally Consistent Integrated Transport Land Use Models, In Support of Infrastructure Systems Decisions (CAREER Award)	NSF, Oregon DOT , TxDOT	\$500,000 (\$500K)	9/1/00 – 12/31/07
71. (None)*	Uncertainty in Integrated Land Use-Transport Models	SWUTC	\$ 24,000 (\$24K)	9/1/00 – 8/31/01
72. (None)*	Engineering Student Grades and Course Evaluations	UT Austin College of Engineering	Student TA Costs	1/1/00 – 8/31/02
73. C. Bhat, S. Handy, & H. Mahmassani	Development of an Urban Accessibility Index	TxDOT	\$181,000 (\$40K)	9/1/99 – 8/31/02
74. S. Handy	Investigate the Economic Impacts of Highway Relief Routes on Small and Medium Size Communities	TxDOT	\$150,000 (\$50K)	9/1/99 – 8/31/01
75. R. Machemehl, 76. S. Handy*	Investigation of the Impact of Frontage Roads as an Element of Controlled Access Facilities	TxDOT	\$176,770 (\$120K)	9/1/99 – 8/31/01
77. (None)*	The Propagation of Uncertainty in Multi-Stage Transport Demand Models	SWUTC	\$ 32,000 (\$32K)	9/1/99 – 8/31/00
78. H. Mahmassani, C.M. 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

79. D. Taylor (during first 4 months of project)*	Sidewalk Slope Variability with Respect to the ADA Accessibility Guidelines	TxDOT	\$100,213 (\$100K)	11/13/98 – 8/31/99
80. (None)*	Light-Duty-Truck Accident and Use Modeling	UT Austin College of Engineering	Student TA Costs	9/1/98 – 8/31/01
<b>Funded Projects TOTAL</b>		<b>Total to Date (&amp; Approx. Share)</b>	<b>\$32.98 million (\$8.25 million) Funded</b>	<b>9/1/98 – 8/31/2018</b>

\* Asterisks indicate the 47 funded (through #80) projects on which Dr. Kockelman served (or serves) as the lead investigator. (34 for TxDOT with 19 as RS, & 14 for SWUTC.)

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

Mr. Krishna Murthy Gurumurthy selected to receive Eno Fellowship to attend Annual Eno Future Leaders Development Conference in DC, 2019.

Ms. Devin Wilkins received the WTS Sharon D. Banks Memorial Scholarship, 2019.

Ms. Tyler Wellik received the Dwight D. Eisenhower Graduate Fellowship Grant, 2018.

Mr. Adam Nodjomian received the Dwight D. Eisenhower Graduate Fellowship Grant, 2018.

Mr. Krishna Murthy Gurumurthy and teammates first place at ITE International’s Quiz Bowl, 2019.

Mr. Krishna Murthy Gurumurthy received Airport Cooperative Research Program (ACRP) Graduate Research Award, 2018.

Mr. Yantao Huang received the Robert Herman Fellowship, 2017.

Mr. Krishna Murthy Gurumurthy received ITS Texas Scholarship, as well as leading the ITE Quiz Bowl team to a regional victory and placing second at the international competition, 2017.

Mr. Krishna Murthy Gurumurthy received Texas district ITE fellowship, 2017.

Mr. Matt Reiter received a 2015 Legacy Scholarship to pursue undergraduate research on electric vehicle emissions with Dr. Kockelman, December 2014.

Mr. Prateek Bansal was awarded UT Austin’s David Bruton Graduate Fellowship, 2014.

Ms. Donna Chen was appointed to the Transportation Research Board’s Committee on Alternative Vehicle Fuels and Technologies, March 2014.

Dr. Yiyi Wang received the 2014 William L. Garrison Award for Best Dissertation in Computational Geography from the Association of American Geographers, January 2014.

Mr. Daniel Fagnant was appointed to the Transportation Research Board Motorcycle and Moped Committee, January 2014.

Mr. Daniel Fagnant was appointed to the Transportation Research Board Committee on Vehicle Highway Automation, January 2014.

Mr. Wenjia (Kevin) Zhang was a runner-up (honorable mention) in the 2013 Graduate Student-Led Paper Competition, North American Regional Science Council, November 2013.\*

Mr. Brice Nichols won the Texas Institute of Transportation Engineers student award in Fall 2013.

Mr. Daniel Fagnant was appointed to the Transportation Research Board Committee on Vehicle-Highway Automation, AHB30, September 2013.

Mr. Brice Nichols received the 2013 Dwight D. Eisenhower Graduate Fellowship Grant, May 2013.

Mr. Daniel Fagnant received the 2013 Dwight D. Eisenhower Graduate Fellowship Grant, May 2013.

Mr. Daniel Fagnant’s paper on the environmental implications of autonomous shared vehicles was the Annual Student Essay Competition Winner for the ITS America Annual Meeting, April 2013.\*

Mr. Daniel Fagnant received the 2012 SWUTC Dr. William J. Harris Award to the Outstanding Doctoral (PhD) Student, January 2013.

Mr. Daniel Fagnant received the 2012 SWUTC Student of the Year award, January 2013.

Ms. Yiyi Wang received U.T. Austin's Cockrell School of Engineering Robert Herman Endowed Scholarship for Engineering Excellence, 2012.

Ms. Donna T. Chen received the 2012 Dwight D. Eisenhower Graduate Fellowship Grant, April 2012.

Mr. Daniel Fagnant received the 2<sup>nd</sup> annual Eno Leadership Development Fellowship, March 2012.\*

Ms. Yiyi Wang received the 2011 Women's Transportation Seminar's (WTS) Helene M. Overly Memorial Scholarship from the WTS Heart of Texas Chapter, 2011.

Mr. Daniel Fagnant received the 2011 Dwight D. Eisenhower Graduate Fellowship Grant, April 2011.

Dr. Jason Lemp received the International Association for Travel Behavior Research 2009 Eric Pas Dissertation Prize to recognize the best dissertation in the field of travel behavior research in 2009, presented at the annual meeting of the Transportation Research Board, January 2011.

Mr. Sashank Musti received the 2010 CUTC Wootan Award for Outstanding M.S. Thesis in Policy & Planning MS, January 2011.

Ms. Yiyi Wang was a Finalist in the 2010 Graduate Student-Led Paper Competition, North American Regional Science Council, November 2010.\*

Mr. Daniel Fagnant received the 2010 ITS Texas Scholarship, awarded during the ITS Texas Business and Awards Luncheon in Fort Worth, TX, November 2010.

Dr. Xiaokun Wang received the 2009 Young Researcher Award from the Transportation Research Board's Committee on Statistical Methods (ABJ80) for paper titled "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas," January 2010.\*

Mr. Jason Lemp received the 2009 SWUTC Dr. William J. Harris Award to the Outstanding Doctoral (PhD) Student, January 2010.

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.

Ms. Brenda Zhou received a Women's Transportation Seminar International Scholarship for Graduate Students, May 2008.

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 the Women's Transportation Seminar's Helene M. Overly Memorial Scholarship for Graduate Students, Fall 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. Bin (Brenda) Zhou and Mr. Jason Lemp were recipients of the 2007 Dwight D. Eisenhower Graduate Fellowship Grants, April 2007.

Ms. Bin (Brenda) Zhou was a Finalist in the 2006 Graduate Student Paper Competition, North American Regional Science Council, November 2006.\*

Ms. Xiaokun Wang was designated an International Road Federation Executive Leadership Fellow, Fall 2006.

Mr. Matthew Bomberg received an Undergraduate Research Fellowship to study "Traveler Response to the 2005 Gas Price Spike", by U.T. Austin's VP for Research, 2005.\*

Mr. Pradeep Gulipalli received the CUTC's Pikarsky Award for Outstanding M.S. Thesis in Science and Technology, December 2005.\*

Ms. Xiaokun Wang received the Women's Transportation Seminar's Helene M. Overly Memorial Scholarship for Graduate Students, Fall 2005.

Ms. Xiaokun Wang received the Sixth Annual Benjamin H. Stevens Graduate Fellowship in Regional Science for 2005.

## **POST-DOCTORAL ADVISEES/COLLABORATORS**

- Dr. Jun Liu, Jan. 2016-August 2016, Post-doctoral fellow, PhD in Civil Engineering from University of Tennessee



- Dr. Qinglu Ma, March 2016-March 2017, visiting associate professor of Traffic & Transportation Engineering from Chongqing Jiaotong University, under the CSC's Joint-Training Program
- Dr. Yanhong Yin, Nov. 2014-Oct. 2015, visiting professor under the CSC's Joint-Training Program
- Dr. Guangmin Wang, Sept. 2014-Sept. 2015, visiting scholar from School of Economics and Management at China University of Geosciences, under the China Scholarship Council's (CSC) Joint-Training Program
- Dr. Liya Yao, July 2014-July 2015, Ph.D. visiting professor under the China Scholarship Council's (CSC) Joint-Training Program
- Dr. Shuhong Ma, 2013-2014, Ph.D. visiting professor under the China Scholarship Council's (CSC) Joint-Training Program
- Dr. Chi Xie, 2009-2011, post-doctoral fellow, Ph.D. in Civil Engineering from Cornell University.
- Dr. Tammy Thompson, 2009-2010, Ph.D. in Chemical Engineering awarded by U.T. Austin.
- Dr. Takuya Maruyama, 2006-2008, Ph.D. awarded by The University of Tokyo and fellowship funded by Japan's Society of Science

## DOCTORAL THESIS ADVISEES

### *Completed*

- Donna Chen, 2015
- Dan Fagnant, 2014
- Yiyi Wang, 2013
- Jason Lemp, 2009
- Bin (Brenda) Zhou, 2009
- Xiaokun Wang, 2007
- Jianming Ma, 2006
- Young-Jun Kweon, 2004
- Yong Zhao, 2002

*In Progress:* Krishna "Murthy" Gurumurthy, Yantao Huang, Jooyong Lee

## MASTER'S THESIS ADVISEES

### *Completed:*

- Haonan Yan, 2019
- Adam Nodjomian, 2018
- Neil Quarles, 2017
- Ben Loeb, 2016
- Prateek Bansal, 2015
- Brice Nichols, 2013
- Xiaoxia Xiong, 2012
- Mobashwir Khan, 2012
- Binny Paul, 2011
- Brent Selby, 2011
- Dan Fagnant, 2011
- Siva Karthik Kakaraparthi, 2009
- Sumala Tirumalachetty, 2009
- Sashank Musti, 2009
- Jason Lemp, 2007
- Saurabh Kumar, 2007
- Shashank Gadda, 2006

- Laura McWethy, 2006
- Sukumar Kalmanje, 2005
- Jamie Reckinger, 2005
- Pradeep Gulipalli, 2005
- Shadi Hakimi, 2005
- Michelle Bina, 2005
- C. Patricia Delgado, 2004
- Natalia Ruiz-Juri, 2004
- Christopher Frazier, 2004
- Kaethe Podgorski, 2004
- Surabhi Gupta, 2004
- Jared Heiner, 2003
- Ling Jin, 2002
- Sriram Krishnamurthy, 2002
- Issam Srour, 2001
- Anant Pradhan, 2001
- Yeonjoo Min, 2001
- Katsuhiko Nakamura, 2000
- Brian tenSiethoff, 2000
- Aaron Overman, 2000
- Siva Srinivasan, 2000
- Raheel Shabih, 1999

*In Progress:* Tyler Wellik (FY19), Matthew Dean & Louis Alcorn (new in FY20)

#### **UNDERGRADUATE ADVISEES**

- Jugal Amodwala (2019) – CAEE Research Award on Electrification of Austin Bus Routes
- Karthik Sridhar (2018) – Plan II Honor’s Thesis on Electric Vehicles for India
- Lewis Clements (2016) – Engineering Honors Thesis M E 679HA/ME 679HB
- Matthew Bomberg (2006) – Plan II Honor’s Thesis TC 359T course
- Alexander Marks (2005) – Plan II Honor’s Thesis TC 660HA&B course
- Travis Dunn (2003) – Plan II Honor’s Thesis

#### **GRADUATE NON-THESIS ADVISEES**

- Ms. Vivian (Weijia) Li, October 2018-October 2019, Ph.D. candidate and visiting scholar under the China Scholarship Council’s (CSC) Joint-Training Program
- Mr. Patrick Boesch, July 2017-October 2017, visiting scholar from ETH Zurich (CE group under Dr. Axhausen) for his AV simulation studies towards his winter 2017 dissertation delivery.
- Mr. Yawei He, Dec 2016 – Dec 2017, visiting scholar under the Beijing Institute of Technology’s Joint-Training Program
- Mr. Tianxin Li, Oct 2014-Oct 2015, Ph.D. candidate and visiting scholar under the China Scholarship Council’s (CSC) Joint-Training Program
- Mr. Jian Xu, 2012-2013, Ph.D. candidate, visiting student under the China Scholarship Council’s (CSC) Joint-Training Program
- Mr. Xiaochuan Du, 2010-2011, PhD candidate, visiting student under the China Scholarship Council’s (CSC) Joint-Training Program
- Susan Humphrey, 2005, ME, Engineering Management (Summer Report)

#### **OTHER TEACHING PREPARATION ACTIVITIES**

Presented on “The Future of Transportation,” to the University of Texas Department of Civil, Architectural, and Environmental Engineering’s External Advisory committee, November 2, 2018.

Attended UT Austin’s Campus Sustainability Week, focused on promoting sustainability and experiential learning, October 23, 2017.

Attended Faculty Engineering Ethics presentation by C.W. Clark, titled “Texas Board of Professional Engineers Professional Practice Update / Ethics,” March 30, 2016.

Attended UT’s Center for Teaching Effectiveness workshop, titled “Flipping the Classroom – Active Learning at Scale in Engineering,” June 2, 2015.

Attended Academic Integrity and the Millennial Generation workshop, at UT Austin, on January 30, 2015.

Attended Faculty Engineering Ethics presentation by TSPE Director Lance Kinney, October 27, 2014.

Attended UT Discovery Learning Luncheon Seminar titled “A Profound Disconnect between Consumers and Producers of Education,” given by Edward Burger, President of Southwest University, September 25, 2014.

Attended seminar titled “Engineering Ethics for Faculty,” taught by Dr. Thomas Darwin, Professional Development and Community Engagement in the Office of Graduate Studies, March 6, 2013.

Attended UT College of Natural Sciences’ Discovery Learning Luncheon Seminar titled “Exploring Creativity”, February 9, 2011.

Attended Faculty Innovation Seminar titled “Teaching Probability & Statistics: Stories & Captivation”, October 27, 2010.

Attended Faculty Innovation Seminar titled “Case Studies: A Better Way to Teach Numerical Methods”, September 7, 2010.

Attended Faculty Innovation Seminar titled “Why Don’t Students Like School?” October 30, 2009.

Attended Faculty Innovation Seminar titled “Critical Thinking across Classrooms”, September 23, 2009.

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.

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

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

Participant in ASCE 2001 Excellence in Civil Engineering Education (ExCEED) Teaching Workshop, Fayetteville, AR, July 8-13, 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 ASEE 2001 National Effective Teaching Institute (NETI), Albuquerque, NM, June 21-23, 2001.

Attended workshop on “Successful Negotiation Strategies.” University of Texas EAP, April 4, 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 conference on "Forging Academic Partnerships." Sponsored by University of Texas’ Office of Student Affairs at Thompson Conference Center, March 2, 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 workshop on “Effective Interpersonal Communication.” University of Texas EAP, February 7, 2001.

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

Attended TxDOT's GEOPAK I & II Week-long Courses, for preparation of U.T.'s CE367 & 391M design courses, September 1998 & January 1999.  
 Participant in U.T.'s New Faculty Orientation Week, August 1998.  
 Regularly attend U.T. College of Engineering's Faculty Innovation Seminars & U.T.'s Discovery Learning Seminars, 1998-Present.  
 Graduate Student Instructor, U.C. Berkeley's Statistics 131A (Statistical Inferences for Social and Life Scientists), Summer 1997.  
 Informal Teaching Assistant, U.C. Berkeley's CE262 (Concepts of Probability & Transport. Statistics), Fall 1997.  
 Attended Orientation and Teaching Conferences and Pedagogical Workshop for Graduate Student Instructors, U.C. Berkeley, 1996-1997.  
 Volunteer English and math Tutor to Mexican immigrant and her two children, 1994-1997.

**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 & ADVISING**

Auditor, Transport Operations, Austin City Limits Festival, C3 Presents	October 2018
Informal Advisor, Carnegie Mellon University “Future of Work” Delphi panel	April 2018 – Present
Member, Board of Advisors for ParkHub’s Parking Genius	Sept 2016 – Present
Berkshire Partners LLC	Fall 2016
Technical Advisor to Ridescout (acquired by Daimler)	2013 – 2015
Battelle Memorial Institute, FHWA CMAQ Improvement Program	Feb – Sept 2014
Resource Systems Group, SHRP 2 C16 Effect of Smart Growth	
Policies on Travel Demand	2011 – 2013
Retained by: Dunbar Munroe, Bryan Construction Co., Avalon Bay	2006 – 2009
Edward Rose & Sons (Property Management)	2004 – 2006

**VITA**

The Dewitt C. Greer Professor of Civil, Architectural and Environmental Engineering 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* identified 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 (for exceptional promise as a young regional science researcher). 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 and was made a 3-HOT Honorary Member in 2012. In 2010 and 2014, Dr. Kockelman received ASCE’s Walter L. Huber Research Prize and James Laurie Prize, respectively, for her various contributions in transportation engineering. In 2014, she also received one of Google’s Research Awards. Between her undergraduate and graduate studies, she served 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 and alumni associations and professional societies.

Dr. Kockelman is primary and co-author of over 150 journal articles (and two books) across a variety of subjects, nearly all of which involve transportation-related data analysis. Her primary research interests include planning for shared and autonomous vehicle systems, the statistical modeling of urban systems (including models of travel behavior, trade, and location choice), energy and climate issues (vis-à-vis transport and land use decisions), the economic impacts of transport policy, and crash occurrence and consequences. She has taught classes in transportation systems, transport economics, transport data acquisition and analysis, probability and statistics, design of ground-based transportation systems, 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 chaired the Transportation Research Board's (TRB) Travel Survey Methods committee for three years (2007-2010) and served on the Development Committee for 11 years (1999-2010). She also serves on the organization's Committee on Transportation Economics, Committee on Statistical Methods, and Integrated Transportation and Land Use Modeling subcommittee. In 2016, she was appointed to two TRB standing committees related to Emerging Transport Technologies and Vehicle-Highway Automation. 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*, *Economics of Transportation* 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. In 2010, Dr. Kockelman was appointed to a three-year term as a member of the U.S. Department of Transportation's Advisory Council on Transportation Statistics. In 2011, she was appointed to a two-year term on ASCE's national Awards Committee. Currently, she is a member of the Eno Center for Transportation's Board of Advisors.