

**Bradley W. Lane, PhD**  
Associate Professor with Tenure  
Undergraduate Program Director  
School of Public Affairs and Administration  
The University of Kansas

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### **Education**

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Ph.D., Geography, Indiana University, July 2010  
Minor: Urban Affairs, School of Public and Environmental Affairs (SPEA)  
M.A., Geography, Indiana University, August 2006  
B.A., Political Science & Public Policy, Rice University, May 2003

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### **Major Research Interests**

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The integration of alternative fuel, autonomous vehicle, mobility-as-a-service, and smart city technologies into the transportation fleet, focusing on attitudes, perceptions, travel behavior, policies, and spatial components influencing adoption and use  
Travel behavior, focusing on the effects of cost, land-use, policy, planning, spatial components, and new technologies on modal choice and the implications for transportation sustainability

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### **Major Teaching Interests and Expertise**

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Human Impact on the Environment  
GIScience and Spatial Analysis  
Quantitative Research Methods  
Planning and Economic Development

Smart Cities and Smart Transportation  
Sustainable Transportation  
Transportation Planning and Policy  
Urban and Regional Planning

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### **Peer-Reviewed Major Publications**

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- 2019 Kelley, Scott B; **Lane, Bradley W**; Kane, Kevin; Stanley, Benjamin ; and Strachan, Scotty. Smart transportation for all? An assessment of on-demand mobility and service-based transportation in US ‘Smart City’ projects. Forthcoming, Special Issue on “Smart Spaces and Places,” *The Annals of the American Association of Geographers*, May 2019.
- 2018 **Lane, Bradley W.**; Dumortier, Jerome; Carley, Sanya; Siddiki, Saba; Clark-Sutton, Kyle B.; Graham, John D. (2018) All plug-in electric vehicles are not the same: Predictors of preference for a plug-in hybrid versus a battery-electric vehicle. *Transportation Research Part D: Transport and Environment*, 65(2018), pp. 1-13
- 2017 **Lane, Bradley W.** and Beeler, Joseph. (2017) “Sustainable Transportation.” The Wiley-AAG International Encyclopedia of Geography: People, the Earth, Environment, and Technology.

**Peer-Reviewed Major Publications (continued)**

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- 2017 **Lane, Bradley W.** and Beeler, Joseph. (2017) "Urban Transit." The Wiley-AAG International Encyclopedia of Geography: People, the Earth, Environment, and Technology.
- 2016 Krause, Rachel M.; **Lane, Bradley W.**; Carley, Sanya; Sperl, Jon; and Graham, John D. (2016) Assessing the demand for electric vehicles under future cost and technology scenarios. *International Journal of Sustainable Transportation*, 10(8), pp. 742-751
- 2015 Dumortier, Jerome; Siddiki, Saba; Carley, Sanya; Cisney, Joshua; Krause, Rachel M.; **Lane, Bradley W.**; Rupp, John; and Graham, John D. (2015) Effect of life cycle cost information disclosure on the purchase decision of hybrid and plug-in electric vehicles. *Transportation Research Part A: Policy and Practice*, 72(2015), pp. 71-86.
- 2013 Krause, Rachel M.; Carley, Sanya; **Lane, Bradley W.**; and Graham, John D. (2013) Perception and reality: Public knowledge of plug-in electric vehicles in 21 US cities. *Energy Policy*, 63, pp. 433-440.
- 2013 **Lane, Bradley W.** and Sherman, Colin P. (2013) Using the Kaldor-Hicks Tableau to assess sustainability in cost-benefit analysis in transport: An example framework for rail transit. Special Issue on "Valuing Transportation: Measuring What Matters for Sustainability," *Research in Transportation Business and Management*, 7(2013), pp. 91-105.
- 2013 **Lane, Bradley W.**; Messer, Natalie; Hartman, Devin; Carley, Sanya; Krause, Rachel M.; and Graham, John D. (2013) Government promotion of the electric car: Risk management or industrial policy? *European Journal of Risk Regulation*, 2013(2) pp. 224-241.
- 2013 Carley, Sanya; Krause, Rachel M.; **Lane, Bradley W.**; and Graham, John D. (2013) Intent to purchase a plug-in electric vehicle: A survey of early impressions in large American cities. *Transportation Research Part D: Transport and Environment*, 18(1), pp. 39-45.
- 2012 **Lane, Bradley W.** (2012) A time-series analysis of gasoline prices and public transportation in US metropolitan areas. Special Section on "Rail Transit Systems and High Speed Rail," *Journal of Transport Geography*, 22 (May 2012), pp. 221-235.
- 2012 **Lane, Bradley W.** (2012) On the utility and challenges of high speed rail in the US. Special Section on "Rail Transit Systems and High Speed Rail," *Journal of Transport Geography*, 22 (May 2012), pp. 282-284.
- 2011 Graham, John D.; Hartman, Devin; Messer, Natalie; **Lane, Bradley W.**; Carley, Sanya.; and Crookham, Chris (2011) Plug-in electric vehicles: A practical plan for progress. School of Public and Environmental Affairs, Indiana University, Bloomington, IN, February 2011.

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**Peer-Reviewed Major Publications (continued)**

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- 2011 **Lane, Bradley W.** (2011) TAZ-level variation in work trip mode choice between 1990 and 2000 and the presence of rail transit. *Journal of Geographical Systems*, 13(2), pp. 147-171.
- 2010 **Lane, Bradley W.** (2010) The relationship between recent fuel price fluctuations and transit usage in major US cities. *Journal of Transport Geography*, 18(2), pp. 214-225.
- 2008 **Lane, Bradley W.** (2008) Significant characteristics of the urban rail renaissance in the United States: A discriminant analysis. *Transportation Research Part A: Policy and Practice*, 42(2), pp. 279-295.

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**In Memoriam**

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- 2014 **Lane, Bradley W.** and Knowles, Richard D. (2014) Remembering William R. "Bill" Black: June 8, 1942 – October 15, 2013. *Journal of Transport Geography*, 35(2014), pp. 156-157.

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**Book Chapters and Reviews**

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- 2016 **Lane, Bradley W.** (2016) "Electric Vehicles." Minicars, Maglevs, and Mopeds: Modern Modes of Transportation Around the World. ABC-CLIO.
- 2016 **Lane, Bradley W.** (2016) "Flying Cars." Minicars, Maglevs, and Mopeds: Modern Modes of Transportation Around the World. ABC-CLIO.
- 2013 **Lane, Bradley W.** (2013) "Gasoline Prices and Transportation Sustainability: What Future for Public Transit?" in Renne and Fields (eds.) *Transportation Beyond Oil: Moving Toward Sustainable Transport and Energy Efficient Development for the Next Generation*, Island Press, Washington DC.
- 2013 **Lane, Bradley W.** (2013) Book review, Dimitriou and Gakenheimer (eds.), *Urban Transport in the Developing World: A Handbook of Policy and Practice*. *Journal of Regional Science*, 53 (5), pp. 952-954.
- 2012 Black, William R. and **Lane, Bradley W.** (2012) "The Role of Transit in the Development of Urban Areas in the US," pp.123-125, in Haas (ed.) *Sustainable Urbanism and Beyond: Rethinking Cities for the Future*, Rizzoli, New York.

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**Peer-Reviewed Conference Proceedings**

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- 2016 **Lane, Bradley W.**; Krause, Rachel M.; Carley, Sanya; Graham, John D. (2016) The influence of travel behavior on the acceptance of commercially available alternative fueled vehicles: Evidence from major US cities. *Proceedings of the Transportation Research Board (TRB) 95<sup>th</sup> Annual Meeting*.

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**Peer-Reviewed Conference Proceedings (continued)**

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- 2014 **Lane, Bradley W.**; Sherman, Colin P.; Sperl, Jon; Krause, Rachel M.; Carley, Sanya; Graham, John D. (2014) Beyond early adopters of plug-in electric vehicles? Evidence from fleet and household users in Indianapolis. *Proceedings of the Transportation Research Board (TRB) 93<sup>rd</sup> Annual Meeting*.
- 2010 **Lane, Bradley W.** (2010) Effect of fuel price increases on US light rail ridership 2002-2008: Results and implications for transit operation and policy. *Transportation Research Circular E-C145*. Transportation Research Board, July 2010, pp. 63-77.
- 2008 **Lane, Bradley W.** (2008) Gasoline costs, public transit, and transport sustainability. *Proceedings of Rethinking Transportation for a Sustainable Future Conference*, Louisville, KY, October 2008.
- 2007 Kobayashi, Takatsugu, and **Lane, Bradley W.** (2007) Spatial heterogeneity and transit use. *Selected Proceedings of the 11<sup>th</sup> World Conference on Sustainable Transport*, Berkeley, CA, June 2007.
- 2006 **Lane, Bradley W.** (2006) The relationship between fuel price fluctuations and transit usage in US cities. *Proceedings of the NSF New Scholars Conference on Sustainable Transport*. Bloomington, IN, May 2006

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**Research in Progress**

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- 2019 **Lane, Bradley W.** (2019) ‘An unpopular essay on transportation’ revisited: The outcomes of old myths and the implications of technological change on the sustainability of transportation. Revise and resubmit, Special Issue on “Making 25 years of the Journal of Transport Geography,” *Journal of Transport Geography*, December 2018.
- 2019 Kelley, Scott B. and **Lane, Bradley W.** Spatial patterns of autonomous vehicle demand: evidence from a mid-size US city. Revising for submission to *Sustainability*, May 2019
- 2019 **Lane, Bradley W.** and Kelley, Scott B. Modelling the determinants of connected and autonomous vehicles utilization. In preparation for submission, *Transportation Research Part C: Emerging Technologies*, June 2019.
- 2019 **Lane, Bradley W.** and Borth, Meagan. Quantitative and analytical skill uses and needs in civil service: Evidence from practitioner surveys. In preparation for submission, *Public Administration Review*, Fall 2019
- 2019 **Lane, Bradley W.** A policy comparison of the three revolutions of transportation: Examining the different approaches of state intervention in technology diffusion. In preparation for submission, *Energy Policy*, Fall 2019

### Research in Progress (continued)

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- 2019 **Lane, Bradley W**; Ronan, Selene; and Beeler, Joseph. Update to “Sustainable Transportation.” The Wiley-AAG International Encyclopedia of Geography: People, the Earth, Environment, and Technology.
- 2019 **Lane, Bradley W**; Ronan, Selene; and Beeler, Joseph. Update to “Urban Transit.” The Wiley-AAG International Encyclopedia of Geography: People, the Earth, Environment, and Technology.
- 2019 Kondyli, Alexandra; **Lane, Bradley W.**; and Schrock, Steve. Implementation of Transportation Systems Management and Operation (TSMO) in Kansas. Research in progress, Report to the Kansas Department of Transportation, Fall 2019.
- 2020 **Lane, Bradley W**; and Shannon, Eric W. The role of scientific inquiry in public administration. In preparation for submission, *Public Administration Review*, Spring 2020 2019.
- 2021 **Lane, Bradley W.** (2021) Sustainability and the Three Revolutions of Transportation. Edward Elgar Press, Camberley, Surrey, UK.
- 2021 **Lane, Bradley W.** (ed.) (2021) The Geography of the Three Revolutions of Transportation. Springer, New York City.

### Teaching Experience (thru Spring 2019)

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#### *The University of Kansas*

##### Graduate Courses

	<u>Format</u>	<u>Date Taught</u>
PUAD 836: Intro to Quantitative Methods	Hybrid	January – May 2019
PUAD 836: Intro to Quantitative Methods	Hybrid	August – December 2018
PUAD 836: Intro to Quantitative Methods	Hybrid	January – May 2018
PUAD 836: Intro to Quantitative Methods	Hybrid	August – December 2017
PUAD 934: Research Methods in P.A.	Traditional	August – December 2017
PUAD 836: Intro to Quantitative Methods	Hybrid	January – May 2017
PUAD 934: Research Methods in P.A.	Traditional	August – December 2016
PUAD 836: Intro to Quantitative Methods	Hybrid	August – December 2016
PUAD 934: Research Methods in P.A.	Traditional	August – December 2015
PUAD 836: Intro to Quantitative Methods	Traditional	August – December 2015
PUAD 836: Intro to Quantitative Methods	Traditional	August – December 2014
PUAD 836: Intro to Quantitative Methods	Traditional	August – December 2013

**Teaching Experience (thru Spring 2019, continued)**

<u>Combined Graduate/Undergraduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
PUAD 694: Sustainable Transportation	Hybrid	January – May 2019
PUAD 691: Internship in Public Service	Online	August – December 2018
PUAD 691: Internship in Public Service	Online	June – August 2018
PUAD 691: Internship in Public Service	Online	January – May 2018

<u>Combined Graduate/Undergraduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
PUAD 691: Internship in Public Service	Online	August – December 2017
PUAD 694: Sustainable Transportation	Hybrid	January – May 2017
PUAD 694: Sustainable Transportation	Hybrid	January – May 2015

<u>Undergraduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
PUAD 332: Intro to Quantitative Methods	Hybrid	January – May 2015
PUAD 332: Intro to Quantitative Methods	Hybrid	January – May 2014

<u>Combined Student/Professional Workshops</u>	<u>Format</u>	<u>Date Taught</u>
PMC Statistics Boot Camp	Workshop	August 2015
PMC Statistics Boot Camp	Workshop	August 2014

*The University of Texas at El Paso*

<u>Graduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
PAD 5367: Comprehensive Integration of P.A.	Traditional	May – July 2013
PAD 5366: Internship in Public Administration	Online	January – May 2013
PAD 5367: Comprehensive Integration of P.A.	Traditional	January – May 2013
PAD 5300: Introduction to Research Methods	Traditional	August – December 2012
PAD 5300: Introduction to Research Methods	Traditional	January – May 2012
PAD 5350: Urban and Regional Planning	Traditional	August – December 2011
PAD 5300: Introduction to Research Methods	Traditional	August – December 2011
PAD 5300: Introduction to Research Methods	Traditional	January – May 2011
PAD 5365: Policy Analysis	Traditional	August – December 2010
PAD 5300: Introduction to Research Methods	Traditional	August – December 2010

*Indiana University*

<u>Undergraduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
G235: Research Methods in Geography	Traditional	January – May 2010
G120: World Regional Geography (online)	Online	July 2008 – April 2010
G110: Introduction to Human Geography	Traditional	August – December 2009
I300: Sports in 20 <sup>th</sup> Century Global Culture	Traditional	August – December 2009
G235: Research Methods in Geography	Traditional	January – May 2009
G208: Human Impact on the Environment	Traditional	August – December 2008
G235: Research Methods in Geography	Traditional	January – May 2008
G208: Human Impact on the Environment	Traditional	August – December 2007
G208: Human Impact on the Environment	Traditional	January – May 2007
G208: Human Impact on the Environment	Traditional	August – December 2006

**Teaching Experience (thru Spring 2019, continued)**

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*Indiana University*

<u>Undergraduate Courses</u>	<u>Format</u>	<u>Date Taught</u>
G110: Introduction to Human Geography	Traditional	May – June 2006
G208: Human Impact on the Environment	Traditional	January – May 2006
G208: Human Impact on the Environment	Traditional	January – May 2005

**Directed Student Learning (thru Spring 2019)**

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The University of Kansas

Meagan Borth	Masters student	Spring 2019
Selene Ronan	Undergraduate student	Spring 2019
Payton Berens	Undergraduate student	Summer 2018
Lucas Neece	Masters student	Spring 2018
Andrew Osorio	PhD student	Spring 2017
Patrick Lang	Undergraduate student	Fall 2015
Calvin McConnell	Masters student	Spring 2015
Joey Beeler	Undergraduate student	Spring 2015

The University of Texas at El Paso

Lori Shepherd	Masters student	Summer 2013
Anna Mauro	Masters student	Summer 2013
Colin Sherman	Masters student	Fall 2011-Spring 2013
Amy McQuillen	Masters student	Summer 2012

**Student Thesis Committee Membership (thru Spring 2019)**

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Eric Shannon, PhD Committee	University of Kansas	May 2018
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**Major Presentations (thru Spring 2019)**

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- 2019 “Implications of the three revolutions of transportation for urban sustainability.” Kansas City City Managers Conference, The University of Kansas, 26 April 2019.
- 2019 “21<sup>st</sup> century challenges in city planning: The case of the three revolutions of transportation.” Urban and Regional Planning Program, The University of Texas at San Antonio, 28 February 2019
- 2019 Colloquium Presentation. “The three revolutions of transportation and their effect on urban life.” The Urban Experience Seminar Series, Hall Center for the Humanities, The University of Kansas, 14 February 2019
- 2019 Session Moderator. “Megaregions and the future of transportation.” International Relations Council. KU Edwards Campus, Overland Park, KS, 23 January 2019.

**Major Presentations (thru Spring 2019, continued)**

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- 2018 2018 Royal Geographical Society – Institute of British Geographers Annual International Conference. “Revisiting ‘An unpopular essay on transportation:’ The outcomes of old myths and the implications of new technologies for the sustainability of transport.” Cardiff, Wales, UK, 30 August 2018.
- 2018 Panelist. “Beyond the economy: Developing the social and environmental elements of transport appraisal.” 2018 Royal Geographical Society – Institute of British Geographers Annual International Conference, Cardiff, Wales, UK, 28 August 2018.
- 2018 2018 Royal Geographical Society – Institute of British Geographers Annual International Conference “On the implications of the three revolutions of transportation for sustainability and government policy.” Presentation to workshop, “The WelTAG experience: toward more social and environmentally-inclusive transport appraisal.”
- 2018 2018 Annual Meeting of the American Association of Geographers. “On the evolution of drivers of interest in alternative fuel vehicles.” New Orleans, LA, 12 April 2018
- 2018 Session Discussant, “Quantitative and Qualitative Critical Perspectives on Mobility.” 2018 Annual Meeting of the American Association of Geographers. New Orleans, LA, 13 April 2018
- 2018 “The ‘three revolutions of transportation and their implications for sustainability.” Department of Geography Speaker Series, University of Miami, Miami, FL, 20 March 2018
- 2018 Colloquium Presentation. “An introduction to transport geography: Mobility, accessibility, and sustainability.” Department of Geography, University of Miami, Miami, FL, 19 March 2018
- 2018 “The ‘three revolutions shaping modern transportation: Implications for sustainability.” Sustainability Seminar Series, Patel College of Global Sustainability. The University of South Florida, Tampa, FL, 6 March 2018
- 2018 The Transportation Research Board (TRB) 97<sup>th</sup> Annual Meeting. “All plug-in electric vehicles are not the same: Predictors of Preference for a Plug-in Hybrid versus a Battery-Electric Vehicle.” Presentation to ADC80, Standing Committee on Alternative Transportation Fuels and Technologies. Washington, DC, 9 January 2018
- 2017 2017 Annual Meeting of the American Association of Geographers. “Estimating differences in interest in electric vehicle powertrains: The role of range anxiety.” Boston, MA, 8 April 2017



**Major Presentations (thru Spring 2019, continued)**

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- 2017 “Smart, connected, and shared mobility: From old myths to research questions for the future of transportation sustainability.” Red Hot Research Colloquium Series, KU Center for Sustainability and The KU Commons. The University of Kansas, 31 March 2017
- 2017 Western Regional Science Association 56<sup>th</sup> Annual Meeting. “On the meaning and influence of range anxiety on the adoption of electric vehicles.” Santa Fe, NM, 17 February 2017
- 2017 Session Paper Discussant, “What explains rapid transit use? Evidence from 102 urbanized areas.” Western Regional Science Association 56<sup>th</sup> Annual Meeting, Santa Fe, NM, 17 February 2017
- 2017 Session Paper Discussant, “The impact of high-speed trains on agricultural land: Evidence from China.” Western Regional Science Association 56<sup>th</sup> Annual Meeting, Santa Fe, NM, 16 February 2017
- 2016 Poster Presentation. “The influence of travel behavior on the acceptance of commercially available alternative fueled vehicles: Evidence from major US cities.” The Transportation Research Board (TRB) 95<sup>th</sup> Annual Meeting, Washington, DC, 12 January 2016
- 2015 “Urban travel behavior and electric vehicle diffusion.” 37<sup>th</sup> Annual Fall Research Conference of the Association of Public Policy Analysis and Management, Miami, FL, 12 November 2015
- 2015 Session Discussant, “Policy and Technology Trends Driving the Future of Transportation.” 37<sup>th</sup> Annual Fall Research Conference of the Association of Public Policy Analysis and Management, Miami, FL, 12 November 2015
- 2015 “Determining interest in electric vehicle adoption: Overview of evidence from US Cities.” Kansas City Green Business Network, 14 July 2015
- 2015 Western Regional Science Association 54<sup>th</sup> Annual Meeting. “The influence of travel behavior on the acceptance of commercially available alternative fueled vehicles: Evidence from major US cities.” Tucson, AZ, 16 February 2015
- 2015 Session Paper Discussant, “Spatial equity of high speed trains: The example of France.” Western Regional Science Association 54<sup>th</sup> Annual Meeting, Tucson, AZ, 16 February 2015
- 2014 Session Discussant. “Environmental justice and managing environmental risks.” 36<sup>th</sup> Annual Fall Research Conference of the Association of Public Policy Analysis and Management, Albuquerque, NM, 8 November 2014

**Major Presentations (thru Spring 2019, continued)**

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- 2014 Poster Presentation. "Travel behavior and electric vehicle diffusion in US Urban Areas: Implications for policy." 36<sup>th</sup> Annual Fall Research Conference of the Association of Public Policy Analysis and Management, Albuquerque, NM, 6 November 2014
- 2014 Colloquium Presentation. "Electric vehicles." Red Hot Research Colloquium Series, KU Center for Sustainability and The KU Commons. The University of Kansas, 17 October 2014
- 2014 "Perception and reality: Public knowledge of plug-in electric vehicles in 21 US cities." 2014 Kansas Energy Conference, Topeka, KS, 16 September 2014
- 2014 Keynote Speaker. "Electric vehicles: Barriers and incentives to adoption." 2014 Dialog on Sustainability, Kansas State University, 19 July 2014
- 2014 Colloquium Presentation. "Travel behavior and electric vehicle diffusion in the US: Evidence from major cities." Reimagining the City Seminar Series, Hall Center for the Humanities, The University of Kansas, 12 May 2014
- 2014 Colloquium Presentation, PUAD 831. "Getting charged up: Factors in electric vehicle adoption." School of Public Affairs and Administration, The University of Kansas – Edwards Campus, 10 March 2014
- 2014 Session Paper Discussant. "Measuring good accessibility and the role of independent stores in the greater Tucson area," Western Regional Science Association 53<sup>rd</sup> Annual Meeting, 19 February 2014 San Diego, CA
- 2014 Western Regional Science Association 53<sup>rd</sup> Annual Meeting. "Using time geography as an analytical framework for measuring accessibility in public transportation." 18 February 2014 San Diego, CA
- 2014 Poster Presentation. "Beyond early adopters of plug-in electric vehicles? Evidence from fleet and household users in Indianapolis." The Transportation Research Board (TRB) 93<sup>rd</sup> Annual Meeting, Washington, DC, 15 January 2014
- 2013 Colloquium Presentation. "Alternative fuel vehicles: Attitudes, perceptions, policies, and travel behavior." Kansas Association of Planning Students Brownbag Lecture, The University of Kansas, 13 November 2013
- 2013 2013 Annual Meeting of the American Association of Geographers. "Influence of electric vehicles on travel behavior," 13 April 2013, Los Angeles, CA
- 2013 Panelist. "Surviving and Thriving as a Stand-Alone Geographer." 2013 Annual Meeting of the American Association of Geographers. 12 April 2013, Los Angeles, CA

**Major Presentations (thru Spring 2019, continued)**

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- 2013 2013 Urban Affairs Meeting. “Toward estimating the effects of time and place in the influence of gasoline prices on urban public transportation,” 5 April 2013, San Francisco, CA
- 2013 Colloquium Presentation. “Electric vehicles in the USA: Barriers and incentives to adoption.” School of Public Affairs and Administration, The University of Kansas, 4 March 2013
- 2013 Colloquium Presentation. “An introduction to transport geography: Mobility, accessibility, and sustainability.” Department of Geography, The University of Kansas, 4 March 2013
- 2012 2012 Annual Meeting of the Southwest Division of the American Association of Geographers. “Using GWR to assess spatial variation in modal choice: Evidence from St. Louis CTPP data.” 26 October 2012, Las Cruces, NM
- 2012 32<sup>nd</sup> Annual International Geographical Congress. “An estimation of the interaction of gasoline prices and entropy on transit ridership: Evidence from vector auto-regression and multi-stage least squares analysis.” 29 August 2012, Cologne, Germany.
- 2012 2012 Urban Affairs Meeting. “A sustainable cost-benefit framework for public transportation deployment,” 19 April 2012, Pittsburgh, PA
- 2012 2012 Annual Meeting of the American Association of Geographers. “High Speed Rail in America: Promise and Peril.” Panelist, 26 February 2012, New York, NY. ([Link to Panel](#))
- 2012 2012 Annual Meeting of the American Association of Geographers. “Personal travel behavior and electric vehicle diffusion: Evidence from a US survey,” 25 February 2012, New York, NY
- 2011 2011 Annual Meeting of the American Association of Geographers. “An application of time geography and activity-travel behavior research to public transportation.” 14 April 2011, Seattle, WA
- 2010 57<sup>th</sup> Annual North American Meetings of the Regional Science Association International. “A time-series analysis of gasoline prices and public transit in metropolitan US areas.” 12 November 2010, Denver, CO
- 2010 First Meeting of the Transportation Electrification Panel. “Policies for electrification of the transport fleet: A comparison of the US and the EU.” 11 May 2010, Washington, DC
- 2010 2010 Annual Meeting of the American Association of Geographers. “Energy pricing and transport sustainability: The case of public transit.” 16 April 2010, Washington, DC

**Major Presentations (thru Spring 2019, continued)**

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- 2010 Colloquium Presentation. "Gasoline price fluctuations and public transportation: Evidence and implications from time-series analysis." University College, Institute for Policy and Economic Development, The University of Texas at El Paso, 8 April 2010
- 2010 40<sup>th</sup> Annual Meeting of the Urban Affairs Association. "Assessing and rethinking the role of transit agencies in an era of escalating gasoline costs." 12 March 2010, Honolulu, HI
- 2009 56<sup>th</sup> Annual North American Meetings of the Regional Science Association International. "Time-series analyses of gasoline prices and public transportation: The experience of US metropolitan areas 1986-2009." 21 November 2009, San Francisco, CA
- 2009 Colloquium Presentation. "Paths to sustainability in transport research: Contemporary dynamics of public transit." Department of Geography, University of Akron, 30 October 2009
- 2009 11<sup>th</sup> APTA-TRB Joint Light Rail Conference. "The role of fuel price increases on US light rail ridership 2002-2008: Results and implications for transit operation and policy." 19 April 2009, Los Angeles, CA
- 2009 2009 Annual Meeting of the American Association of Geographers. "Transit provision, ridership, and gasoline prices: A changing dynamic for public transportation." 25 March 2009, Las Vegas, NV
- 2009 39<sup>th</sup> Annual Meeting of the Urban Affairs Association. "Urban mass transit and gasoline prices: Effects on patronage and system operation." 05 March 2009, Chicago, IL
- 2008 2008 West Lakes Meeting of the American Association of Geographers. "The relationship between recent fuel price fluctuations and transit usage in major US cities." 14 November 2008, Bloomington, IN
- 2008 Colloquium Presentation. "An introduction to the geography of transportation and planning." Oakland City University, 4 November 2008, Bedford, IN
- 2008 2008 Rethinking Transportation for a Sustainable Future. "Gasoline prices, public transit, and sustainability." 29 October 2008, Louisville, KY
- 2008 2008 Annual Meeting of the American Association of Geographers. "Assessing spatial patterns in changes in work trip commuting and the role of rail transit." 17 April 2008, Boston, MA
- 2007 54<sup>th</sup> Annual North American Meetings of the Regional Science Association International. "The relationship between recent fuel price fluctuations and transit ridership in major US cities," 9 November 2007, Savannah, GA

**Major Presentations (thru Spring 2019, continued)**

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- 2007 The 11<sup>th</sup> World Conference on Transportation Research. “Spatial heterogeneity and transit use,” with Takatsugu Kobayashi, 26 June 2007, Berkeley, CA
- 2007 2007 Annual Meeting of the American Association of Geographers. “Travel behavior and spatial variation in the introduction of light rail.” 21 April 2007, San Francisco, CA
- 2006 53<sup>rd</sup> Annual North American Meetings of the Regional Science Association International. “Spatial heterogeneity and transit patronage,” with Takatsugu Kobayashi, 17 November 2006, Toronto, Ontario CA
- 2006 2006 New Scholars Conference on Sustainable Transport. “The relationship between fuel price fluctuations and transit usage in US cities.” 16 May 2006, Bloomington, Indiana
- 2006 2006 Annual Meeting of the American Association of Geographers. “An analysis of travel patterns around new rail stations in US cities.” 10 March 2006, Chicago, Illinois
- 2005 2005 Annual Meeting of the American Association of Geographers. Presentation of thesis research, “‘Plains,’ trains, and automobiles: Land-use, rail transit, and urban travel in the United States.” 7 April 2005, Denver, Colorado

**Major Conference Organization Activity (thru Spring 2019)**

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- Session Co-organizer (with Scott Kelley), “Alternative Fuels, Autonomous Vehicles, and Geographical Considerations of Diffusion I,” 2019 Annual Meeting of the American Association of Geographers, April 2019, Washington, DC
- Session Co-organizer (with Scott Kelley), “Alternative Fuels, Autonomous Vehicles, and Geographical Considerations of Diffusion II,” 2019 Annual Meeting of the American Association of Geographers, April 2019, Washington, DC
- Moderator, “Megaregions and the Future of Transportation,” International Relations Council, 23 January 2019, Overland Park, KS
- Session Co-organizer (with Scott Kelley), “Alternative Fuels and Autonomous Vehicles: Transportation Transitions and the Impact on Cities, Regions, and Sustainability,” 2018 Annual Meeting of the American Association of Geographers, April 2018, New Orleans, LA
- Session Organizer, 2018 Annual Meeting of the American Association of Geographers, April 2018, New Orleans, LA
- “Changing Technologies and Sustainability in Transportation” (Chair)
  - “Qualitative and Quantitative Critical Perspectives on Mobility” (Chair and Discussant)
  - “Transportation Research in Urban China”

### **Major Conference Organization Activity (thru Spring 2019, continued)**

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Session Organizer and Chair, “The Dynamics of Electric and Alternative-Fuel Vehicles,” 2017 Annual Meeting of the American Association of Geographers, 8 April 2017, Boston, MA

Session Organizer and Chair, “Electric and Alternative Fueled Vehicles,” 2013 Annual Meeting of the American Association of Geographers, 13 April 2013, Los Angeles, CA

Session Co-organizer (with Michaela Baumann), “Transportation Geography,” 2012 Annual Meeting of the Southwest Division of the American Association of Geographers, 25-27 October 2012, Las Cruces, NM.

Session Organizer, 2012 Annual Meeting of the American Association of Geographers, 24-28 February 2012, New York, NY

- “Electric Vehicles” (Chair)
- “Pricing in Transport” (Chair)
- “Interactive Short Papers in Transport Research”
- “Networks and Accessibility in Transport”
- “Modelling and Visualizing Travel Behavior I”
- “Modelling and Visualizing Travel Behavior II”

Session Chair, “Transportation: Commuting and Travel Costs,” 57<sup>th</sup> Annual North American Meetings of the Regional Science Association International, 12 November 2010, Denver, CO

Session Chair, “Planning and Financing Infrastructure,” 40<sup>th</sup> Annual Meeting of the Urban Affairs Association, 12 March 2010, Honolulu, HI

Session Chair, “Regional Science Methods,” 56<sup>th</sup> Annual North American Meetings of the Regional Science Association International, 21 November 2009, San Francisco, CA

Session Chair, “Of Rails and Roads: Transportation,” 2008 West Lakes Meeting of the American Association of Geographers, 14 November 2008, Bloomington, IN

Session Organizer and Chair, “The Role of Alternative Modes: Travel Patterns and Urban Form,” 2007 Annual Meeting of the American Association of Geographers, 21 April 2007, San Francisco, CA

Session Chair, “Transit Design and Travel Patterns,” 2006 Annual Meeting of the American Association of Geographers, 10 March 2006, Chicago, IL

Co-Director, The Urban Experience Seminar Series, Hall Center for the Humanities, The University of Kansas, 2014 – Present

Co-Chair, Indiana University Department of Geography Colloquium Series

9 June 2010

6 April 2007

28 March 2005

1 May 2009

24 February 2006

3 December 2004

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**Awards, Fellowships, Research Support, and Grants Received**

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Co-PI, “Promoting Transportation Systems Management and Operation (TSMO) Program in Kansas”, with Kondyli, A. and Schrock, S. D. (\$71,500), Kansas Department of Transportation, for August 2017 – November 2019

“The Urban Experience” Seminar Series, with L’Heureux, M.A, Lang, C., and Rury, J. (\$3000), Hall Center for the Humanities, The University of Kansas, for August 2017 – May 2020

“The Urban Experience” Seminar Series, with L’Heureux, M.A, Lang, C., and Rury, J. (\$3000), Hall Center for the Humanities, The University of Kansas, for August 2014 – May 2017

The Oread Project (\$1000), Center for Sustainability, The University of Kansas, May 2014

Best Practices Institute (\$1000), Center for Teaching Excellence, The University of Kansas, May 2014 (deferred)

Summer Research Assistant Program (\$3000), College of Liberal Arts, The University of Texas at El Paso, April 2013

National Science Foundation/American Association of Geographers Joint Travel Grant, for 2012 IGU Conference (\$1250), Cologne, Germany, April 2012

Research Funding, Dean’s Council, School of Public and Environmental Affairs (~\$70,000), Indiana University, Bloomington, Indiana January 2010 – January 2012

Urban Affairs Association Conference Travel Grant (\$500), Urban Affairs Association, Newark, Delaware, December 2009

College of Arts and Science Graduate Student Travel Grant, Indiana University, Bloomington, Indiana, May 2009 (\$500); November 2007, April 2007 (\$300 each)

First Place, PhD Student Paper Competition (\$350), 2008 West Lakes Meeting of the American Association of Geographers, November 2008

Graduate and Professional Student Organization Travel Grant Award, Indiana University, Bloomington, Indiana, February 2008 (\$200); February 2005 (\$300)

Graduate Student Fellowship (\$700), 11<sup>th</sup> WCTRS Meeting, World Conference on Transport Research Society, June 2007

Alumni Associate Instructor Teaching Award (\$1000), Department of Geography, Indiana University, Bloomington, Indiana, April 2007

2006 Master Thesis Award (\$250), Transportation Geography Specialty Group, American Association of Geographers, March 2006

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**Awards, Fellowships, Research Support, and Grants Received (continued)**

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Department Graduate Fellowship for Outstanding Academic Performance (\$500), Department of Geography, Indiana University, Bloomington, Indiana, April 2005

Research Fellowship (\$3000), Department of Geography, College of Arts and Sciences, Indiana University, Bloomington, Indiana, May 2004 – August 2004

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**Awards, Fellowships, Research Support, and Grants Submitted and In Preparation**

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Co-I, “Deployment of Automatic Driving Systems in shuttles and buses in Kansas City, with Koch, L.; Kondyli, A.; and Schrock, S.D. (\$390,102), US Department of Transportation Automated Driving System Demonstration Grants, Washington, DC, March 2019 (Under review)

Co-PI, “The Spatial Patterns of Demand for Connected and Automated Vehicles and Alternative-Fuel Vehicles in Cities: Considerations for Transportation Policy,” with Kelley, S.B. (est. \$400,000), National Science Foundation: Smart and Connected Cities, Washington, DC, September 2019 (In preparation)

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**Awards, Fellowships, Research Support, and Grants Not Funded**

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Co-PI, “The Impact of Emerging Technologies and Trends on Travel Demand in Nevada,” with Kelley, S.B. (\$315,000). Nevada Department of Transportation, for June 2018 – September 2020. Call not funded, March 2018.

Co-PI, “Toward the diffusion of sustainable technologies: The case of the electric vehicle,” with Carley, S. and Krause, R.M. (\$358,524), National Science Foundation: Science Technology and Society, Washington, DC, February 2014. (Not funded, encouraged revise and resubmit)

Co-PI, “Toward the diffusion of sustainable technologies: The case of the electric vehicle,” with Carley, S. and Krause, R.M. (\$393,284), National Science Foundation: Science Technology and Society, Washington, DC, February 2013. (Not funded, encouraged revise and resubmit)

PI, Technology Fee Supplement Request, GIS Laboratory and Software Resources (\$35,000), College of Liberal Arts, The University of Texas at El Paso, January 2013. (No Decision)

Co-PI, “Examination of future multimodal intercity travel options for the El Paso Region,” with Sperry, B.; Warner, J.; Morgan, C.; and Bujanda, A. (\$60,000), Center for Intermodal Intelligent Transportation Research, Texas Transportation Institute, College Station, TX, November 2012. (Rejected)

PI, “Local-level analyses of gasoline costs and transit ridership,” (\$600,000), Transit Cooperative Research Project, Transportation Research Board, Washington, DC, August 2011. (Rejected)



## Honors and Recognition

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- Rice University delegate to the Inauguration of Douglas A. Girod as Chancellor of the University of Kansas, 20 April 2018
- Excellence in Reviewing, Elsevier, 2017
- Certificate of Excellence in Reviewing, Journal of Transport Geography, 2013
- Research from “A Practical Plan for Progress” and from “Intent to purchase a plug-in electric vehicle: A survey of early impressions in large American cities” highlighted in numerous major media sources internationally (CNN, USA Today, New York Times, Wall Street Journal, etc)
- Chairman’s Graduate Student Recognition Award, Department of Geography, Indiana University, Bloomington, Indiana, 2005 – 2010
- Best Masters Thesis, Transportation Geography Specialty Group, American Association of Geographers, 2005

## Interviews and Engaged Scholarship

- KCTV5 for [story](#) on autonomous vehicle technology coming to Kansas City, 2 November 2017
- WIBW Topeka Radio for [story](#) on autonomous vehicle technology and US transportation policy, 12 September 2017
- KU News Media Advisory for [story](#) on US House legislation increasing vehicle manufacturer autonomous vehicle safety exemptions, 11 September 2017
- KU News Media Advisory for [story](#) on countries and companies abandoning gasoline-only vehicle production, 14 July 2017
- Wallethub.com for [story](#) on best and worst cities to drive, 11 July 2017
- KU News Media Advisory for [story](#) on driverless taxi demonstration project in Pittsburgh, 30 September 2016
- Factcheck.org story on vehicle emissions and Obama administration policies, 6 September 2016 (never published)
- KU News Media Advisory for [research spotlight](#) on electric vehicle study, 28 Aug 2018
- KU News Media Advisory for [story](#) on efforts to replace gasoline tax with mileage tax, 11 July 2016
- KU News Media Advisory for [story](#) on federal proposal to aide autonomous vehicle technology, 1 February 2016
- KU News Media Advisory for [faculty spotlight](#) on The Urban Experience Research Seminar, 29 October 2015
- KU News Media Advisory for [story](#) on roadway lane removal, 10 September 2015
- Local 6 News Lawrence TV for story on gasoline price decrease, 2 February 2015
- University Daily Kansan for [story](#) on gasoline price decrease, 21 January 2015
- KMBZ Kansas City Radio for story on gasoline price decrease, 15 January 2015
- KNSW Wichita for story on gasoline price decrease, 15 January 2015
- KU News Media Advisory for [story](#) on gasoline price decrease, 14 January 2015
- Fox El Paso TV for story on gasoline prices and unrest in Egypt, 14 June 2013
- ABC 7 El Paso TV for story on gasoline prices and travel behavior, 29 Mar 2012
- USA Today, [“Ridership on Mass Transit Up Slightly,”](#) 7 Dec 2011

- Interviewed by The Atlantic Monthly: Cities, “[How Americans Really React to High Gas Prices](#),” 30 Nov. 2011
- El Paso Times, “[Era of electric cars is approaching](#),” 06 Feb 2011
- Pacific Standard Magazine for [story](#) on gasoline prices and transit, 23 June 2009

### **Service to the Profession**

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- Guest and Managing Editor, *Sustainability*, Special Issue on “Consumer Preferences for Alternative Fuels, Advanced Technologies, and Sustainability in Transportation,” 2018-2019
- Chair, Transportation Geography Specialty Group, American Association of Geographers, April 2019 – April 2021
- Vice-Chair, Transportation Geography Specialty Group, American Association of Geographers, April 2017 – April 2019
- Civic Leadership Academy Advisory Board, Olathe School District, Olathe, Kansas, June 2017 – Present

### University Service, The University of Kansas

- Ad-hoc Committee to Develop New Strategies for Recruiting Students, School of Public Affairs and Administration, The University of Kansas, Fall 2018 - Present
- Undergraduate Program Coordinator, School of Public Affairs and Administration, The University of Kansas, Summer 2017 - Present
- Edwards Campus Academic Leadership Council, The University of Kansas, Summer 2017 - Present
- Edwards Campus Transportation Task Force, The University of Kansas, February 2017 – August 2017
- Smart Cities Working Group, Red Hot Research, The Commons, The University of Kansas, February 2016 - Present
- General Research Fund Review Committee, College of Liberal Arts, The University of Kansas, Spring 2014 – Spring 2015
- Co-Director, The Urban Experience Seminar Series, Hall Center for the Humanities, The University of Kansas, Fall 2014 - Present
- Sustainability Task Force, School of Public Affairs and Administration, The University of Kansas, Fall 2013 – Spring 2017
- Phi Alpha Alpha Faculty Advisor, School of Public Affairs and Administration, The University of Kansas, Fall 2013 – Present
- Sustainability Ambassador, School of Public Affairs and Administration, The University of Kansas, Fall 2013 – Present
- Undergraduate Committee, School of Public Affairs and Administration, The University of Kansas, Fall 2013 – Present

### University Service, The University of Texas at El Paso

- Acting Chair, Student Admissions Committee, MPA Program, The University of Texas at El Paso, January 2013 – August 2013
- Faculty Sponsor, MPA Student Association, The University of Texas at El Paso, September 2012 – August 2013

University Service, The University of Texas at El Paso (continued)

Chair, Student Affairs Committee, MPA Program, The University of Texas at El Paso, January 2012 – August 2013  
Student Recruiting and Retention Committee, College of Liberal Arts, The University of Texas at El Paso, Fall 2011 – August 2013  
Board Member, Transportation Geography Specialty Group, American Association of Geographers, April 2011 – April 2013  
MPA Web Liaison to College of Liberal Arts, The University of Texas at El Paso, January 2011 – August 2013  
MPA Graduate Student Advisor, The University of Texas at El Paso, January 2011 – August 2013  
University College Student Faculty Marshall, The University of Texas at El Paso, Fall 2010  
MPA Program Committee, The University of Texas at El Paso, August 2010 – August 2013  
MPA Recruitment Faculty Coordinator, The University of Texas at El Paso, August 2010 – August 2013

University Service, Indiana University

Colloquium Committee, Indiana University Department of Geography, January – May 2010  
Equipment and Computer Planning Committee, Indiana University Department of Geography, August 2009 – May 2010  
Space and Planning Committee, Indiana University Department of Geography, September 2007 – September 2008  
Thesis Advisor, Indiana University International Studies Capstone, Fall 2007 – Spring 2010  
Co-Chair, Geography Department Publicity Committee, Indiana University, Bloomington, Indiana, September 2006 – September 2007

University Service, Indiana University (continued)

Graduate Student Representative, Geography Department Faculty Committee, Indiana University, Bloomington, Indiana, May 2006 – May 2008  
Department of Geography Representative, Graduate and Professional Student Organization, Indiana University, Bloomington, Indiana, November 2003 – May 2004

Book, Grant, and Journal Reviewer Service

Energies (since November 2015)  
International Journal of Applied Geospatial Research (since February 2011)  
International Journal of Sustainable Transportation (since May 2013)  
International Regional Science Review (since October 2014)  
Journal of Advanced Transportation (since October 2014)  
Journal of Applied Geography (since July 2011)  
Journal of Geographical Systems (since April 2010)  
Journal of Regional Science (since March 2013)  
Journal of Transport Geography (since December 2008)  
National Science Foundation, Geography and Spatial Sciences Program (since October 2016)  
Proceedings of the National Academy of Sciences (since September 2012)  
Professional Geographer (since February 2012)  
Research in Transportation Business and Management (since June 2012)

Book, Grant, and Journal Reviewer Service (continued)

Research in Transportation Economics (since August 2018)  
Rowman and Littlefield (since September 2018)  
SAGE Publications (since March 2010)  
Sustainability (since August 2018)  
Transportation (since July 2011)  
Transportation Research Board (since August 2009)  
Transportation Research Part A: Policy and Practice (since June 2008)  
Transportation Research Part D: Energy and Environment (since January 2018)  
Transportmetrica A: Transport Science (since October 2013)  
University of Missouri Research Board (since January 2019)  
Urban Geography (since May 2016)  
WH Freeman (since September 2011)

Professional Association Memberships

American Association of Geographers (October 2004 – November 2013, June 2016-present)  
Association of Public Policy Analysis and Management (April 2014 – December 2018)  
International Association of Travel Behaviour Research (since June 2011)  
Public Management Research Association (since April 2014 – December 2018)  
Reader, AP Human Geography Exam, June 2008 – June 2009  
Regional Science Association International (since May 2010)  
Transportation Research Board (since November 2013)  
Friend of the Committee:  
    ADB10: Travel Behavior and Values Committee  
    ADC80: Alternative Fuels and Technology Committee  
    ADD20: Social and Economic Factors in Transportation Committee  
    ADD40: Transportation and Sustainability Committee  
    AHB15: Intelligent Transportation Systems Committee  
Urban Affairs Association (December 2009 – December 2015)  
World Conference on Transport Research (since June 2007)

Consulting Work

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Expert Witness, Thomson Reuters Expert Witness Services, November 2015 – present.  
Expert Witness, Barber-Emerson, Lawrence, KS, May 2015 – present.  
Delivery of Transit Services to Dialysis Patients in El Paso. Center for Interdisciplinary Health Research and Evaluation, College of Health Sciences, The University of Texas at El Paso, December 2012 – August 2013.  
Transportation Electrification Panel. Indiana University School for Public and Environmental Affairs, Indiana University, Bloomington, IN. January 2010 – February 2011.  
Freight Flows of Indiana: Forecast of Commodity Flows by Rail and Truck. Indiana Department of Transportation and Indiana University, Bloomington, IN. January 2004 – December 2006.  
The Houston Area Survey. Rice University, Houston, TX. May 2002 – August 2003.

## Professional Positions

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August 2018 - Present

Associate Professor with tenure, School of Public Affairs and Administration, The University of Kansas

Affiliated Faculty, Institute for Policy and Social Research

Courtesy Faculty, Environmental Studies

Undergraduate Program Coordinator, School of Public Affairs and Administration (May 2017 – Present)

August 2013 – August 2018

Assistant Professor, School of Public Affairs and Administration, The University of Kansas; awarded promotion to Associate Professor with tenure, March 2018

Affiliated Faculty, Institute for Policy and Social Research

Affiliated Faculty, Transportation Research Institute (until disbandment April 2014)

August 2010 – August 2013

Assistant Professor, Master of Public Administration Program, The University of Texas at El Paso

Affiliated Faculty, Institute for Policy and Economic Development

January 2010 – January 2011

Consultant, School of Public and Environmental Affairs, Indiana University

January 2006 – May 2010; January 2005 – May 2005; September 2003 - December 2003

Associate Instructor, Department of Geography, Indiana University

July 2008 – April 2010

Instructor, School of Continuing Studies Distance Education, Indiana University

August 2009 – December 2009

Associate Instructor, International Studies Major Program, Indiana University

August 2005 – December 2005; January 2004 - December 2004

Research Assistant, Department of Geography, Indiana University

February 2003 – April 2003

Research Fellow, Blueprint Houston Survey, Gulf Coast Institute, Houston, TX

May 2002 – August 2003

Research Assistant, Department of Sociology, Rice University