

Bradley W. Lane, PhD
Assistant Professor
The University of Kansas

School of Public Affairs and Administration
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Education

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

Major Research Interests

Travel behavior, focusing on the effects of cost to modal choice and on the implications for transportation sustainability
Electric vehicles and the electrification of the transportation fleet, focusing on attitudes, perceptions, travel behavior, and policies related to vehicle adoption and use
Transportation and urban form, using spatial tools and time geography to assess travel behavior, accessibility, and urban structure

Major Teaching Interests

Environmental Studies
Geographic Information Systems
Research Methods
Sustainability Planning and Policy

Sustainable Transport
Transport Planning and Policy
Urban and Regional Planning

Peer-Reviewed Publications

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. Forthcoming, Special Issue on “Valuing Transportation: Measuring What Matters for Sustainability,” *Research in Transportation Business and Management*.

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.

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.

Peer-Reviewed Publications (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- Graham, J.D.; Hartman, D.; Messer, N.; Lane, B.W.; Carley, S.; and Crookham, C. (2011) Plug-in electric vehicles: A practical plan for progress. School of Public and Environmental Affairs, Indiana University, Bloomington, IN, February 2011. Available at: www.indiana.edu/~spea/pubs/TEP_combined.pdf
- 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.
- 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.
- Lane, Bradley W. (2008) Gasoline costs, public transit, and transport sustainability. *Proceedings of Rethinking Transportation for a Sustainable Future Conference*, Louisville, KY, October 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.
- Kobayashi, Takatsugu, and Lane, Bradley W. (2007) Spatial heterogeneity and transit use. *Selected Proceedings of the 11th World Conference on Sustainable Transport*, Berkeley, CA, June 2007.

Peer-Reviewed Publications (continued)

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

Research under Review (submission year in parentheses)

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. Under review, *Energy Policy*.

Krause, Rachel M.; Lane, Bradley W.; Carley, Sanya; Sperl, Jon; and Graham, John D. (2013) Assessing the demand for electric vehicles under future cost and technology scenarios. Under review, *Environmental Science and Technology*.

Research in Progress (expected submission year in parentheses)

Lane, Bradley W.; Krause, Rachel M.; Carley, Sanya; and Graham, John D. (2013) Travel behavior and electric vehicle diffusion in the US: Evidence from major cities. In preparation for submission, *Journal of Transport Geography*.

Lane, Bradley W. and Sherman, Colin P. (2013) Interaction of gasoline prices and entropy on transit ridership. In preparation for submission, *Research in Transport and Economics*.

Lane, Bradley W. and Sherman, Colin P. (2013) Simultaneity in public transportation: Effects of gas prices, service, and the economy on ridership. In preparation for submission, *Journal of Economic Geography*.

Lane, Bradley W.; Sperl, Jon; Krause, Rachel M.; Carley, Sanya; and Graham, John D. (2013) A comparison of early electric vehicle adopters to urban commuters and implications for diffusion. In preparation for submission, *Transportation Research Record: Journal of the Transportation Research Board*.

Lane, Bradley W. (2013) An application of time geography and activity-travel behavior to public transportation. In preparation for submission, Special Issue on Space-Time in GIScience, *International Journal of Geographic Information Science*.

Additional Ongoing Research Projects

Lane, Bradley W.; Sherman, Colin P.; and Heater, Nickole. Information asymmetry in travel behavior decision making: A case study from El Paso, Texas.

Heater, Nickole; Lane, Bradley W.; and Sherman, Colin P. Spatial variation in accessibility: Implications for economic development.

Sherman, Colin P.; Lane, Bradley W.; and Heater, Nickole. Estimating and addressing the first and last mile problem in transit accessibility.

Dumortier, Jerome; Siddiki, Saba; Attari, Shahzeen; Lane, Bradley W.; Krause, Rachel M.; Sperl, Jon; Cisney, Joshua; Rupp, John; and Graham, John D. Informed consumer demand for electric vehicles.

Carley, Sanya; Krause, Rachel M.; Lane, Bradley W. Sperl, Jon; Cisney, Joshua; and Graham, John D. A longitudinal study of attitudes, perceptions, and travel behavior of electric vehicle adopters versus the public.

Consulting Work

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.

Teaching Experience (through Summer 2013)

The University of Texas at El Paso (all Masters level students)

PAD 5367: Comprehensive Integration of P.A.	10 students	May – July 2013
PAD 5366: Internship in Public Administration	1 student	January – May 2013
PAD 5367: Comprehensive Integration of P.A.	20 students	January – May 2013
PAD 5300: Introduction to Research Methods	60 students	August – December 2012
PAD 5300: Introduction to Research Methods	30 students	January – May 2012
PAD 5350: Urban and Regional Planning	10 students	August – December 2011
PAD 5300: Introduction to Research Methods	30 students	August – December 2011
PAD 5300: Introduction to Research Methods	30 students	January – May 2011
PAD 5365: Policy Analysis	15 students	August – December 2010
PAD 5300: Introduction to Research Methods	30 students	August – December 2010

Indiana University (all undergraduate students)

G235: Research Methods in Geography	30 students	January – May 2010
G110: Introduction to Human Geography	90 students	August – December 2009
I300: Sports in 20 th Century Global Culture	30 students	August – December 2009
G120: World Regional Geography (online)	40 students	July 2008 – April 2010
G235: Research Methods in Geography	20 students	January – May 2009
G208: Human Impact on the Environment	90 students	August – December 2008
G235: Research Methods in Geography	30 students	January – May 2008
G208: Human Impact on the Environment	90 students	August – December 2007
G208: Human Impact on the Environment	90 students	January – May 2007
G208: Human Impact on the Environment	90 students	August – December 2006
G110: Introduction to Human Geography	45 students	May – June 2006
G208: Human Impact on the Environment	90 students	January – May 2006
G208: Human Impact on the Environment	90 students	January – May 2005

Major Presentations (thru Spring 2013)

2013 Annual Meeting of the Association of American Geographers. “Surviving and Thriving as a Stand-Alone Geographer.” Panelist, 12 April 2013, Los Angeles, CA

2013 Annual Meeting of the Association of American Geographers. “Influence of electric vehicles on travel behavior,” 13 April 2013, Los Angeles, CA

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

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

Colloquium Presentation. “An introduction to transport geography: Mobility, accessibility, and sustainability.” Department of Geography, The University of Kansas, 4 March 2013

2012 Annual Meeting of the Southwest Division of the Association of American Geographers. “Using GWR to assess spatial variation in modal choice: Evidence from St. Louis CTPP data.” 25-26 October 2012, Las Cruces, NM

2012 Urban Affairs Meeting. “A sustainable cost-benefit framework for public transportation deployment,” 19 April 2012, Pittsburgh, PA

2012 Annual Meeting of the Association of American Geographers. “High Speed Rail in America: Promise and Peril.” Panelist, 26 February 2012, New York, NY. ([Link to Panel](#))

2012 Annual Meeting of the Association of American Geographers. “Personal travel behavior and electric vehicle diffusion: Evidence from a US survey,” 25 February 2012, New York, NY

Major Presentations (continued)

- 2011 Annual Meeting of the Association of American Geographers. "An application of time geography and activity-travel behavior research to public transportation." 14 April 2011, Seattle, WA
- 57th 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
- 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 Annual Meeting of the Association of American Geographers. "Energy pricing and transport sustainability: The case of public transit." 16 April 2010, Washington, DC
- 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
- 40th 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
- 56th 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
- Colloquium Presentation. "Paths to sustainability in transport research: Contemporary dynamics of public transit." Department of Geography, University of Akron, 30 October 2009
- 11th 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 Annual Meeting of the Association of American Geographers. "Transit provision, ridership, and gasoline prices: A changing dynamic for public transportation." 25 March 2009, Las Vegas, NV
- 39th 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 West Lakes Meeting of the Association of American Geographers. "The relationship between recent fuel price fluctuations and transit usage in major US cities." 14 November 2008, Bloomington, IN

Major Presentations (continued)

Colloquium Presentation. "An introduction to the geography of transportation and planning."
Oakland City University, 4 November 2008, Bedford, IN

2008 Rethinking Transportation for a Sustainable Future. "Gasoline prices, public transit, and sustainability." 29 October 2008, Louisville, KY

2008 Annual Meeting of the Association of American Geographers. "Assessing spatial patterns in changes in work trip commuting and the role of rail transit." 17 April 2008, Boston, MA

54th 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

The 11th World Conference on Transportation Research. "Spatial heterogeneity and transit use," with Takatsugu Kobayashi, 26 June 2007, Berkeley, CA

2007 Annual Meeting of the Association of American Geographers. "Travel behavior and spatial variation in the introduction of light rail." 21 April 2007, San Francisco, CA

53rd 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 New Scholars Conference on Sustainable Transport. "The relationship between fuel price fluctuations and transit usage in US cities." 16 May 2006, Bloomington, Indiana

2006 Annual Meeting of the Association of American Geographers. "An analysis of travel patterns around new rail stations in US cities." 10 March 2006, Chicago, Illinois

2005 Annual Meeting of the Association of American 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

Conference Organization Activity

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

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

Conference Organization Activity (continued)

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

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

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

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

Session Chair, “Regional Science Methods,” 56th 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 Association of American 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 Association of American Geographers, 21 April 2007, San Francisco, CA

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

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

Awards, Fellowships, Research Support, and Grants Received

Summer Research Assistant Program (\$3000), College of Liberal Arts, The University of Texas at El Paso, 22 April 2013

National Science Foundation/Association of American Geographers Joint Travel Grant, for 2012 IGU Conference (\$1250), Cologne, Germany, 9 April 2012

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

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

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 Association of American 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), 11th 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, Association of American Geographers, March 2006

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

Awards and Grants Submitted

“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. (Under review)

Technology Fee Supplement Request, GIS Laboratory and Software Resources (\$35,000), College of Liberal Arts, The University of Texas at El Paso. (Never Received Decision)

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

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

Honors and Recognition

Interviews

- ABC 7 El Paso 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.

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, etc)

Chairman's Graduate Student Recognition Award, Department of Geography, Indiana University, Bloomington, Indiana, 2005 – 2010

Research highlighted in Jacobs, T. "[Pump prices driving more to mass transit](#)," Miller McCune Magazine, 23 June 2009.

Service Activities

Book and Journal Reviews

International Journal of Applied Geospatial Research (since February 2011)
 International Journal of Sustainable Transportation (since May 2013)
 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)
 Proceedings of the National Academy of Sciences (since September 2012)
 Professional Geographer (since February 2012)
 Research in Transportation Business and Management (since June 2012)
 SAGE Publications (since March 2010)
 Transportation (since July 2011)
 Transportation Research Board (since August 2009)
 Transportation Research Part A: Policy and Practice (since June 2008)
 WH Freeman (since September 2011)

Professional Association Memberships

Association of American Geographers (October 2004 – November 2013)
 International Association of Travel Behaviour Research (since June 2011)
 Reader, AP Human Geography Exam, June 2008 – June 2009
 Regional Science Association International (since May 2010)
 Urban Affairs Association (since December 2009)
 World Conference on Transport Research (since June 2007)
 World Society on Transportation and Land Use Research (since October 2011)

Committee Service

- 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
- 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
- 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, Association of American 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
- 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
- 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

Professional Positions

August 2013 – Present

Assistant Professor, School of Public Affairs and Administration, The University of Kansas
Affiliated Faculty, Institute for Policy and Social Research
Affiliated Faculty, Transportation Research Institute

January 2011 – August 2013

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

August 2010 – January 2011

Assistant Professor, Master of Public Administration Program, Institute for Policy and Economic Development, University College, The University of Texas at El Paso

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