

ERIC L. JESSUP

CURRENT POSITIONS

Research Professor: Washington State University, School of Economic Sciences

Director: Freight Policy Transportation Institute, Washington State University

Board of Directors: Region 10, Pac-Trans University Transportation Center

EDUCATION

1998 **Ph.D. Agricultural Economics**
Washington State University, Pullman, Washington, USA

1992 **M.S. Agricultural Economics**
University of Kentucky, Lexington, Kentucky, USA

1988 **B.S. Agricultural Economics**
University of Kentucky, Lexington, Kentucky, USA

PROFESSIONAL EXPERIENCE

2016 – Current
Director, Freight Policy Transportation Institute
Research Professor, School of Economic Sciences
Washington State University, Pullman, Washington, USA

2014 – 2016
Vice President
Informa Economics, Inc., Memphis, TN

2012 – 2014
Honorary Professor
Albert-Ludwigs-Universität, Freiburg, Germany

2009 - 2012
Associate Research Professor, School of Economic Sciences
Washington State University, Pullman, Washington, USA

2001 - 2009
Assistant Research Professor, School of Economic Sciences
Washington State University, Pullman, Washington, USA

PROFESSIONAL EXPERIENCE (CONTINUED)

1999 – 2001

Manager, International Risk Management, New Product Development

American Express, Inc., Phoenix, Arizona, USA

1998 – 1999

Econometrician

American Express, Inc., Phoenix, Arizona, USA

1994 – 1998

Research Associate

Washington State University, Pullman, Washington, USA

1993 – 1994

Graduate Research Assistant

Washington State University, Pullman, Washington, USA

1991 – 1992

Teaching / Research Assistant

University of Kentucky, Lexington, Kentucky, USA

1991

Loan Analyst

Farm Credit Services, Lexington, Kentucky, USA

1988 - 1990

Dairy Farm Manager

Quality Valley Dairy, Quality, Kentucky, USA

COURSES TAUGHT

EconS 351 Introduction to Food and Agricultural Markets (undergraduate)

EconS 452 Advanced Business Management

EconS 426 Transportation Economics & Supply Chain Analysis

STUDENT RESEARCH DIRECTED

Member	Ph.D.	Student Graduate Committee, Wisnu Sugiarto
Member	Ph.D.	Student Graduate Committee, Christopher Clarke
Member	Ph.D.	Student Graduate Committee, Jiehong Qiu
Co-Chair	Ph.D.	Student Graduate Committee, Eric Lang
Member	Ph.D.	Student Graduate Committee, You Zhou
Chair	Ph.D.	Student Juliana Walkiewicz, Albert Ludwig University
Chair	Ph.D.	Student Graduate Committee, Jeremy Sage

GRADUATE RESEARCH DIRECTED (CONTINUED)

Member	Ph.D.	Student Graduate Committee, Mark Holmgren
Member	Ph.D.	Student Graduate Committee, Diem Ngyen
Member	Ph.D.	Student Graduate Committee, Tosmai Puenpatom
Member	Ph.D.	Student Graduate Committee, Hayk Khachatryan
Member	Ph.D.	Student Graduate Committee, Steve Peterson
Chair	M.A.	Student Graduate Committee, Christopher Frank
Chair	M.A.	Student Graduate Committee, Yudum Turgut
Chair	M.A.	Student Graduate Committee, Ricky Thai
Member	M.A.	Student Graduate Committee, Hui Luo
Member	M.A.	Student Graduate Committee, Anika Islam
Member	M.A.	Student Graduate Committee, Mehrzad Mehrabipour
Chair	M.A.	Student Taner Tuerkmengil, Albert Ludwig University
Member	M.A.	Student Graduate Committee, Brian Sancwich
Member	M.A.	Student Graduate Committee, Selmin Creamer
Chair	M.A.	Student Graduate Committee, Jamie Everett
Member	M.A.	Student Graduate Committee, Hamilton Galloway
Chair	M.A.	Student Graduate Committee, Stephanie Meenach
Member	M.A.	Student Graduate Committee, Jason Monson
Chair	M.A.	Student Graduate Committee, Ryan Herrington
Member	M.A.	Student Graduate Committee, Toby Ripplinger
Member	M.A.	Student Graduate Committee, Wayne Stigge
Member	M.A.	Student Graduate Committee, Ashley James
Member	M.A.	Student Graduate Committee, Grant Monson
Chair	B.S.	Student Under-Graduate Research, John Michael Lowry
Chair	B.S.	Student Under-Graduate Research, Michael Babicz

CONSULTING ASSIGNMENTS

Cambridge Systematics, Inc., Cambridge, MA
Northwest Container Services, Inc., Portland, Oregon
U.S. Army Corps of Engineers, Portland, Oregon
Idaho Department of Transportation, Boise, Idaho
Port of Moses Lake, Moses Lake, Washington
Port of Whitman, Colfax, Washington
HDR Engineering, Inc., Bellevue, Washington
Idaho Wheat Commission, Boise, Idaho
Battelle Northwest Memorial Institute, Richland, Washington

Following the recommendations of CAHNRS Policies, Procedures and Criteria, the following indicators are used after the listing of PIs on each grant: 1) Provided the initial idea, 2) Developed research design & hypothesis, 3) Authorship of grant application, 4) Developed and/or managed budget, 5) Managed personnel and project activities. The first name listed represents the PI, followed by Co-PIs.

FUNDED RESEARCH GRANTS

	<u>Principal Investigators</u>	<u>Title</u>	<u>Agency</u>	<u>\$ Amount</u>
1.	Jessup, Yoder, Casavant (2005) (2, 3, 4, 5)	Program Scoping State of Practice	WSDOT	\$50,000
2.	Jessup, Casavant (2005) (1, 2, 3, 4, 5)	Development of Washington State Freight Data System	WSDOT	\$75,000
3.	Jessup, Casavant (2003) (2, 3, 4, 5)	Evaluation of Freight Data Collection Methods in Urban Areas	ODOT	\$117,000
4.	Jessup, Casavant (2005) (2, 3, 4, 5)	Prioritize Transportation Security Projects	WSDOT	\$60,000
5.	Jessup (2006) (1, 2, 3, 4, 5)	PTR/WIM Evaluation	WSDOT	\$50,000
6.	Jessup (2004) (1, 2, 3, 4, 5)	Evaluating Port Security Systems for Container	TransNow	\$112,000
7.	Jessup, Goodchild (UW) (2005) (2, 3, 4, 5)	Modeling Port to Warehouse Freight Movements	TransNow	\$287,000
8.	Jessup, Casavant (2002) (2, 3, 4, 5)	Attributes Influencing Intermodal Facilities Viability	TransNow	\$147,000
9.	Jessup, Casavant (2007) (2, 3, 4, 5)	Washington State Freight System Resiliency Study	TransNow	\$72,000
10.	Jessup, Goodchild (UW) (2008) (1, 2, 3, 4, 5)	Development and Analysis of a GIS Statewide Data Flow Network	WSDOT	\$25,000
11.	Jessup (2007) (1, 2, 3, 4, 5)	Biofuel Mandates and Mass Balance: Community Level Socioeconomic and Land Use Impacts in the PNW	Battelle/ DOE	\$72,946
12.	Casavant, Jessup (2007) (2, 5)	Washington State Log Truckers Survey and Analysis	WA Legislature	\$150,000
13.	Jessup (2007) (1, 2, 3, 4, 5)	Identification of Market Opportunities Washington Potato Exports to Russia	WA Potato Commission	\$26,000

<u>Principal Investigators</u>	<u>Title</u>	<u>Agency</u>	<u>\$ Amount</u>
14. Casavant, Jessup (2008) (2, 5)	Fuel Factors Study in Oregon	ODOT	\$107,000
15. Casavant, Jessup (2008) (2, 3, 5)	Freight Trans. Policy Institute Phase I	USDOT	\$441,000
16. Casavant, Jessup (2009) (2, 3, 5)	Freight Trans. Policy Institute Phase II	USDOT	\$475,000
17. Casavant, Jessup (2010) (2, 3, 5)	Freight Trans. Policy Institute Phase III	USDOT	\$750,000
18. Jessup (2009) (1, 2, 3, 4, 5)	Washington State Community Colleges Trans. Access Study	Community Colleges	\$89,700
19. Chen, Casavant, Jessup (2009) (2, 5)	Pryolysis Biorefinery of Low Value Waste Stream Biomass	DOE	\$33,000
20. Jessup (2009) (1, 2, 3, 4, 5)	Improving Statewide Freight Routing Capabilities for Sub-National Commodity Flows	WSDOT	\$67,501
21. Casavant, Jessup (2009) (2, 4, 5)	National Ag. Transportation Study	USDA	\$100,000
22. Casavant, Jessup (2010) (2, 4, 5)	Econ. Impact of Truck Congestion on WA Highways	WSDOT	\$42,500
23. Madrazo, Laborie, Jessup (2012) (2, 3, 4, 5)	Innovative Harvest and Transport of Nanocellulosic Material from the Amazon	German AES/Brazil	€160,000
24. Asikainen, Antti et al. (METLA) (2012-2015) (2, 3, 4, 5)	Improved Transport Logistics for Lignocellulosic Biomass Harvest, Storage and Transport	EU FP7 www.INFRE S.eu	€3,085,000 (€220,000)
25. Jessup (2013-2015) (1, 2, 3, 4, 5)	Development of Forest Market Model of Germany	Cluster Forst-Holz	€214,000
26. Jessup, Casavant (2016) (1, 2, 3, 4, 5)	Preservation Benefit Estimation Improvement	WSDOT	\$175,000
27. Casavant, Jessup (2016) (2, 4, 5)	Agricultural Transportation Study	USDA	\$130,824
28. Jessup (2017) (1, 2, 3, 4, 5)	Ag. Export Infrastructure Investment Modeling	USDA	\$83,378

<u>Principal Investigators</u>	<u>Title</u>	<u>Agency</u>	<u>\$ Amount</u>
29. Hernandez, Jessup (2017) (1, 2, 3, 4, 5)	Confounding Factor Analysis for Commercial Vehicle Crashes	PacTrans	\$161,000
30. Jessup, Hernandez (2017) (1, 2, 3, 4, 5)	Idaho Freight Supply Chain Analysis	ITD	\$186,000
31. Jessup (2017) (1, 2, 3, 4, 5)	Infrastructure Modeling Workshops	USDA	\$266,639
32. Jessup (2017) (1, 2, 3, 4, 5)	PacTrans Admin, Education & Research	PacTrans	\$59,170
33. Jessup (2017) (1, 2, 3, 4, 5)	PNW Container Availability Study	USDA	\$80,387
34. Jessup (2018) (1, 2, 3, 4, 5)	PNW Inland Container Terminal Modeling/Simulation Project	USDA	\$109,758
35. Jessup (2018) (1, 2, 3, 4, 5)	Geographical Analysis of Barriers to Efficient Rail Grain Movements	USDA	\$101,200
36. Jessup (2018) (1, 2, 3, 4, 5)	Agricultural Truck Freight Safety Analysis	USDA	\$97,258
37. Jessup (2018) (1, 2, 3, 4, 5)	PacTrans Admin, Education & Research	PacTrans	\$59,170
38. Jessup (2019) (1, 2, 3, 4, 5)	Expanding the Oregon Motor Carrier Safety Action Plan: Best Return on Investment	ODOT	\$38,341
39. Jessup (2019) (1, 2, 3, 4, 5)	PacTrans Admin, Education & Research	PacTrans	\$124,170
40. Jessup (2020) (1, 2, 3, 4, 5)	Pacific Northwest Forest Transportation Efficiency Modeling Project	USDA	\$117,150
41. Jessup (2020) (1, 2, 3, 4, 5)	Truck/Rail Rate Analysis for Ag. Shipments	USDA	\$130,000
42. Jessup (2020) (1, 2, 3, 4, 5)	Economic Benefits of Columbia/Snake River Navigation	USDA	\$150,000
43. Jessup (2020) (1, 2, 3, 4, 5)	PacTrans Admin, Education & Research	PacTrans	\$117,150
<u>TOTAL</u>			≈ \$6,130,242

JOURNAL MANUSCRIPT REVIEWS

Transportation Research Record
Western Journal of Agricultural Economics
Journal of the Transportation Research Forum
Canadian Transportation Research Journal
Research in Transportation Economics
National Association of College Teachers of Agriculture

ACADEMIC SERVICE/HONORS

2020 Provided the Batjer Address to the Washington State Tree Fruit Association Annual Meeting

2019 Promoted from Associate Research Professor to Research Professor

2018 "Sweet 16" Selection by the National Academies of Science, Transportation Research Board, for paper submitted from WSDOT research project dealing with preservation benefit estimation

2017 Pac-Trans Associate Director, Pacific Northwest Transportation Consortium

2017 External Advisory Board: DendroMass4Europe (D4EU), European Union Project

2017 Internship Director, WSU School of Economic Sciences

2012 Winner of USDA Agricultural Marketing Service Administrator's Award in recognition of USDA/DOT Study of Rural Transportation Issues

2011 Nominated for USDA Agricultural Marketing Service Administrator's Award in recognition of USDA/DOT Study of Rural Transportation Issues

2008-2012 Academic Vice President for the Transportation Research Forum

2008-2012 President, Agricultural and Rural Transportation Chapter, Transportation Research Forum

Best Paper Award at the 2006 International Economics and Business Research Conference, titled "Transportation Usage and Characteristics of Washington State Warehouse/Distribution Center Businesses.", Siena, Italy, May, 2006

Best Paper Award at the 2004 International Applied Business Research Conference, titled "Business Decisions in a Cooperative Environment", San Juan, Puerto Rico, March 2004

Advisor to WSU student Agricultural Business Club and Chair of the SES Social Committee

Selected as an *Eno Fellow* by the Eno Transportation Foundation's Board of Regents, Washington D.C., 1994

Selected as Student of the Year from the Northwest Region University Transportation Center Program, 1996

President, Agricultural and Rural Transportation Chapter, National Transportation Research Forum, 1995-1996

Vice President – Programs, Agricultural and Rural Transportation Chapter, National Transportation Research Forum, 1994-1995

Vice President, Agricultural Economics Graduate Student Association, Washington State University, 1993-1994

Inducted into the Gamma Sigma Delta National Honor Society, 1993

Recipient of the John A. Moser scholarship as an undergraduate and twice recipient of the John Redman scholarship as a graduate student at the University of Kentucky

TECHNICAL SKILLS

Thorough knowledge of many computer software packages including SAS, GAMS, and Microsoft Office. Also very experienced and proficient with the Geographical Information System, ArcInfo/ArcMap/ArcLogistics.

COMMUNITY ACTIVITIES

Board of Directors, Gladish Community Center, Pullman WA 2017- Present

Chair of SES Social Committee 2002-2008.

Volunteer pie/ice cream server at 4th of July festivities, Pullman, Washington.

Volunteer for annual “Make a Difference” day, Phoenix, AZ 1999, 2000, 2001 (Landscaping and painting homeless shelters and animal humane society).

Volunteer Junior Achievement instructor for 5th and 6th grade, 1998-1999.

Judge for Washington State FFA current issues debate, 1995-1998.

Pullman Little League baseball coach, 1994.

PERSONAL

Birthdate: October 10, 1966

Place: Greenville, Kentucky, USA

PUBLICATIONS

Refereed Journal Articles - Published

- Brady, M., Padowski, J., Yoder, J., Jessup, E., Christensen, D., Yang, Q., and B. Anderson. "Mitigating Groundwater Impacts of Residential Wells through Small-Scale Distributed Storage in the Skagit River Basin." *Journal of the American Water Resources Association*. Volume 55, No. 6, (<https://doi.org/10.1111/1752-1688.12795>) December 2019. **(2, 3, 4, 5, 6)**
- Zhou, Y., Jessup, E., and Xiaodong Lang. "Improved Methodology for Benefit Estimation of Highway Pavement Projects." *Research in Transportation Economics*. Volume 77, ISSN: 0739-8859, (<https://doi.org/10.1016/j.retrec.2019.100739>), September, 2019. **(2, 3, 4, 5, 6)**
- Claveria, J., Hernandez, S., Anderson, J.C., Jessup, E. "Understanding Truck Driver Behavior with Respect to Cell Phone Use and Vehicle Operation." *Transportation Research Part F: Traffic Psychology and Behavior*, 65 (2019), pp. 389-401. **(2, 3, 4, 5, 6)**
- Anderson, J. C., Salvador Hernandez, Eric Jessup and S. North. "Perceived Safe and Adequate Parking: A Random Parameters Binary Logit Analysis of Truck Drivers Opinions in the Pacific Northwest." *International Journal of Transportation Science and Technology*. Vol. 7, Issue 1, Pages 89-102, March, 2018, ISSN: 2046-0430. **(2, 3, 4, 5, 6)¹**
- Spinelli, Raffaele, Natascia Magagnotti, Eric Jessup and Michel Soucy. "Perspectives and Challenges of Logging Enterprises in the Italian Alps." *Forest Policy and Economics*, Volume 80, Pages 44-51, March, 2017, ISSN: 1389-9341. **(2, 3, 4, 5, 6)**
- Spinelli, Raffaele, Fabio De Francesco, Lars Eliasson, Eric Jessup and Natascia Magagnotti. "An Agile Chipper Truck for Space Constrained Operations." *Biomass and Bioenergy*, Volume 81, Pages 137-143, October, 2015. ISSN: 0961-9534. **(2, 3, 4, 5, 6)**
- Wang, Zun, Jeremy Sage, Anne Goodchild, Eric Jessup, Ken Casavant. "A Framework for Determining Highway Truck-Freight Benefits and Economic Impacts." *Journal of the Transportation Research Forum*, Vol. 53, No. 1, Summer 2013. **(1, 2, 3, 4, 5, 6)**
- Andreoli, Derik, Anne Goodchild and Eric Jessup. "Estimating Truck Trips with Product Specific Data: A Disruption Case Study of Washington Potatoes." *Transportation Letters: The International Journal of Transportation Research*. Volume 4, Issue 3, July 2012. ISSN: 1942-7867. **(1, 2, 3, 4, 5, 6)**
- Nguyen, Diem, Vicki McCracken, Ken Casavant and Eric Jessup. "Geographic Location, Ownership and Profitability of Washington Log Trucking Companies." *Regional Science Policy and Practice*. Volume 3, Issue 2, p. 115-125, June 2011. **(2, 3, 4, 6)**
- Casavant, Ken, Eric Jessup, Marvin E. Prater, Bruce Blanton, Pierre Bahizi, Daniel Nibarger, Johnny Hill and Isaac Weingram. "Rail Rate and Revenue Changes Since the Staggers Act." *Journal of the Transportation Research Forum (JTRF)*. Vol. 50. No. 1. Spring 2011, p. 55-78. **(2, 3, 4, 5, 6)**

¹ These numbers reflect 1) developed the idea, 2) obtained funds, 3) collected data, 4) analyzed data, 5) wrote/created product, 6) edited product.

- Prater, Marvin, Ken Casavant and Eric Jessup. "Rail Competition Changes Since the Staggers Act." *Journal of the Transportation Research Forum (JTRF)*. Fall 2010. **(2, 3, 4, 5, 6)**
- Khachatryan, H., Eric Jessup and Ken Casavant. "Derivation of Crop Residue Feedstock Supply Curves Using Geographic Information Systems." *Journal of the Transportation Research Forum (JTRF)*, Vol. 48. No. 1, Spring 2009, p. 5 - 21. **(1, 5, 6)**
- Peterson, Steve and Eric Jessup. "Evaluating the Relationship between Transportation Infrastructure and Economic Activity: Evidence from Washington State." *Journal of the Transportation Research Forum*. Vol. 47, No. 2, Summer 2008, p. 21-39. **(1, 2, 3, 4, 5, 6)**
- Khachatryan, Hayk and Eric Jessup. "Spatial Investigation of Mineral Transportation Characteristics in the State of Washington." *Journal of the Transportation Research Forum*. Vol. 47. No. 1, Spring 2008, p. 43-58. **(1, 2, 3, 4, 5, 6)**
- Painter, K.M., Jessup, E.L., Gossard, M., & Casavant, K. "Demand Forecasting for Rural Transit: Models Applied to the State of Washington." *Transportation Research Record*. #1997 (2007), 35-40. **(3, 4, 5, 6)**
- Jessup, Eric, Jon. Newkirk, Ken Casavant, and Marcia Hill Gossard. "Qualitative Research for a Quality of Life: Benefits of Rural Airports." *Western Planner* 28 (1), 2007. **(1, 3, 4, 5, 6)**
- Farrell, Terence, Ken Casavant and Eric Jessup. "An Approach to Determining the Market for Academic Positions: Application to the Discipline of Agricultural Economics." *Journal of College Teaching and Learning*, TLC Publication #191, January, 2007. **(4, 5, 6)**
- Jessup, Eric, Ken Casavant and Quinton Pike. "Transportation Usage and Characteristics of Washington State Warehouse/Distribution Center Businesses: A First Look." *Journal of Business Case Studies*, JBCS# S06-168, Spring, 2007. **(1, 2, 3, 4, 5, 6)**
- Bridges, Deborah, Eric Jessup and Ken Casavant. "The Influence of Agricultural Background and Geographic Location on Students' Attitudes about Biotechnology." *North American Colleges and Teachers of Agriculture Journal*, Vol. 50, Number 4, December 2006, pp. 2-6. **(1, 3, 4, 5, 6)**
- Jessup, Eric, Ken Casavant, Catherine Lawson and Alan Kirk. "Intercept Surveys: Productivity in Collecting Truck Trip Data, A Case Study of Portland, Oregon." *Journal of the Transportation Research Forum*, Vol. 45, No. 2, Summer 2006. **(1, 3, 4, 5, 6)**
- Painter, Kate, Eric Jessup and Ken Casavant. "If you build It, Will they come—and How Many?" *Western Planner*, January 2006. **(2, 3, 4, 5, 6)**
- Gossard, Marcia, Eric Jessup and Ken Casavant. "Anatomy of a Classroom: An Exploratory Analysis of Elements Influencing Academic Performance." *North American Colleges and Teachers of Agriculture Journal*, Vol. 50, Number 2, June 2006, pp. 36-39. **(4, 5, 6)**

Jessup, Eric and Ryan Herrington. "Estimating the Impact of Seasonal Truck Shortages on the Movement of Time-Sensitive, Perishable Products." *Transportation Research Record* #1906, 2005, pp. 81-88. **(1, 2, 3, 4, 5, 6)**

Jessup, Eric and Ken Casavant. "Understanding Grain Movements for Demand Estimation: The Columbia-Snake River System in Washington State." *Transportation Research Record* #1909, 2005, pp. 17-21. **(1, 2, 3, 4, 5, 6)**

Jessup, Eric, Ken Casavant, Jason Monson, and Ken Duft. "Business Decisions in a Cooperative Environment." *Journal of Business and Economic Research*, Vol. 2, No. 6, June 2004. **(4, 5, 6)**

Monson, Jason, Ken Duft, Ken Casavant and Eric Jessup. Cooperative Structure, Performance and Economies of Size: A Northwest Perspective. *The Cooperative Accountant*, Winter 2003, pp. 13-26. **(4, 6)**

Jessup, Eric L., Ken L. Casavant and Terence C. Farrell. "Selected Private and Public Grain Transportation Impacts from Breaching the Snake River Dams in Eastern Washington." *Journal of the Transportation Research Forum*. Volume 40:(109-121), Number 3, Summer 2001. **(1, 3, 4, 5, 6)**

Jessup, Eric L. "An Economic Analysis of Trucker's Incentive to Overload as Affected by the Judicial System." *Research in Transportation Economics*. Volume 4, 1996. **(1, 2, 3, 4, 5, 6)**

Casavant, Ken L., Amy Arnis, William R. Gillis, Waynette Nell, and Eric L. Jessup. "Modeling Washington State Truck Freight Flows Using GIS-T: Data Collection and Design." *Transportation Research Record*. Number 1497, 1995. **(1, 3, 4, 5, 6)**

Squires, Glen W., Eric L. Jessup, and Ken L. Casavant. "The Role of Canadian Rail Rate Subsidies in U.S./Canadian Dry Pea and Lentil Export Markets: A Delivered Cost Analysis." *Journal of the Transportation Research Forum*. Volume 34, Number 2, 1995. **(3, 4, 5, 6)**

Buzby, Jean C. and Eric L. Jessup. "The Relative Impact of Macroeconomic and Yearling-Specific Variables in Determining Thoroughbred Yearling Price." *Applied Economics*. Vol. 26:1-8, 1994. **(1, 2, 3, 4, 5, 6)**

Journal Articles - Submitted / Manuscripts in Progress

Dincer, Timur, Lee, Jukwan, Jessup, E.L. "Empirical Estimation of Accidents Involving Agricultural Truck Movements." Article to be submitted to the *Journal of Transportation Economics*. **(2, 3, 4, 6)**

Wilson, Wes, Wagner, J., Jessup, E.L. "Determinants of Rail Network Change and Effects of Shortline Railroad Entry/Exit." Article to be submitted to the *Transportation Research Record or Economic Inquiry*. **(2,3, 4, 6)**

You, Zhou, Mohammad, M., J., Jessup, E.L. "Optimization Modeling Inland Container Terminal Site Selection." Article to be submitted to the *Journal of Transportation Economics*. **(2, 3, 4, 6)**

Wagner, Jake, Moore, D., Jessup, E.L., Vakoeh, D. "Commuters' Mode and Parking Decisions." Article to be submitted to the *Transportation Research Part A: Policy and Practice*. (2, 3, 4, 6)

Research Publications – Proceedings

Jessup, Eric, Ken Casavant, Craig Frear and Hayk Khachatryan. "Economic Feasibility Assessment for Renewable Fertilizers from Anaerobic Digestion With Integrated Nutrient Recovery System." Proceedings, International Food and Agribusiness Management Association (IFAMA) Symposium, Frankfurt, Germany, June, 2011.

Casavant, Ken., Mason, Larry, Nguyen, D., & Jessup, Eric. "Economics and Safety in the Log Trucking Industry in Washington." Proceedings, Transportation Research Forum, Portland, OR, March, 2009.

Jessup, Eric. "Weigh-in-Motion / Permanent Traffic Recording Site Evaluation." Proceedings, Transportation Research Forum, Portland, OR, March, 2009.

Khachatryan, Hayk., Jessup, Eric, & Casavant, Ken. "A GIS-based Estimation of Regional Biomass Supply and Transportation Costs for Biofuel Plant Least-Cost Location Decisions." Proceedings, Transportation Research Forum, Portland, OR, March 2009.

Chen, J., Khachatryan, Hayk., Frear, Craig., Chen, Shulin., & Jessup, Eric. "Techno-Economic Analysis of Waste to Energy Process Based On Biorefinery Process Models." Proceedings, The American Institute of Chemical Engineers, Nashville, TN, November, 2009.

Khachatryan, H., Eric Jessup and Ken Casavant. "A Geographic Information Systems Approach to Estimating Delivered Cost of Energy Feedstocks." Proceedings, Canadian Transportation Research Forum, Fredericton, New Brunswick, Canada, June, 2008.

Khachatryan, H., Eric Jessup and Ken Casavant. "Estimating Distribution Costs for Cellulosic Ethanol: Origin-Destination Route Optimization using Geographic Information Systems." Proceedings, Regional Science Association International (RSAI), Brooklyn, NY, November, 2008.

Everett, Jamie N., and Eric L. Jessup. "Investigating the Demand for Warehouse Space and the Spatial Attributes Influencing Those Decisions." Proceedings, Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.

Khachatryan, H., and Eric L. Jessup. "Payload Weights and Hauling Distances: The Potential Effects on Highway Deterioration." Proceedings, Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.

Galloway, H., Ken Casavant and Eric L. Jessup. "Projections of British Columbia-Washington Truck Freight Border Crossings Based on Commodity Trade." Proceedings, Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.

- Jessup, Eric L., Cullen, K., and Jerry Lenzi. "Washington State All-Weather Road GIS Mapping: Improved Statewide Freight Flows and Connectivity." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Gossard, M., Jessup, Eric L., and Ken Casavant. "CO2 vs. Salmon: Complementary Policies in Wheat Transportation in the Pacific Northwest?" Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Painter, K.M., Jessup, Eric L., Gossard, M., and Ken Casavant. "Rural Transit Demand Estimation: An Alternative Approach in the State of Washington." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Peterson, S., and Eric L. Jessup. "Transportation Infrastructure and Economic Activity: Evidence Using Vector Autoregression, Error Correction and Directed Acyclic Graphs." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Monson, G., Jessup, Eric L., and Ken Casavant. "Supply Chain Analysis: Port Security Measures and Catastrophic Events." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Khachatryan, H., and Eric L. Jessup. "Spatial Investigation of Mineral Transportation Characteristics in the State of Washington." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Jessup, Eric L., Meenach, S., and Ken Casavant. "Modeling Containerized Hay Shipments in the Pacific Northwest: Investigating Cost and Volume Impacts as Port of Portland Container Services is Reduced." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Galloway, H., Casavant, K., and Eric L. Jessup. "Projections of Washington-British Columbia Trade and Traffic, by Commodity, Route and Border Crossing." Proceedings, Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Fujisawa, K., Goodchild, A., and Eric L. Jessup. "Modeling Containerized Cargo Shipments Between Ocean Port and Handling Facilities." Proceedings, INFORMS Annual Meeting, Seattle, WA, November, 2007.
- Jessup, Eric, Quintin Pike and Ken Casavant. "Empirical Estimation of Attributes Influencing Warehouse/Distribution Center Operations: Washington State Warehouse Industry." Proceedings, Annual Transportation Research Forum Meetings, New York., March, 2006.
- Puenpatom, Tosmai, Eric Jessup and Ken Casavant. "Geo-Coding Survey Truck Route Data: GIS Analytical Applications." Proceedings, Annual Transportation Research Forum Meetings, New York., March, 2006.
- Casavant, Ken and Eric Jessup. "How Can Inter-Modal Truck-Rail Facilities Provide Continuing Service in the Supply Chain: An Application in Washington State." Proceedings, International PENSA Conference on Agri-Food Chain/Networks Economics and Management, Ribeirao Preto, Brazil, August, 2005.

- Jessup, Eric, Jon Newkirk and Ken Casavant. "What Information on Grain Movements is Useful to Estimate the Demand for Barge Transportation?" Proceedings, International PENSA Conference on Agri-Food Chain/Networks Economics and Management, Ribeirao Preto, Brazil, August, 2005.
- Jessup, Eric and Ryan Herrington. "Estimating the Impact of Seasonal Truck Shortages to the Pacific Northwest Apple Industry: Transportation Cost Minimization Approach." Proceedings, Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Jessup, Eric, Ken Casavant, Catherine Lawson and Alan Kirk. "The Dirty Job of Truck Movement Data Gathering: An Evaluation of Intercept Surveys." Proceedings, Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Meenach, Stephanie, Eric Jessup and Ken Casavant. "Transportation Logistics and Supply Chain Characteristics of Washington Hay and Livestock Movements." Proceedings, Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Casavant, Ken, Eric Jessup and Jon Newkirk. "Airport Transportation: The Search for Benefits of Rural Airports." Proceedings, Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Casavant, Ken and Eric Jessup. "What Makes Them Viable? Determining the Attributes that Offer Potential Viability to Inter-Modal Truck-Rail Facilities in Washington State." Proceedings, Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
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- Jessup, Eric, Grant Monson and Ken Casavant. "A Feasibility Study Evaluating Transportation Security Systems and Associated Multi-Modal Efficiency Impacts." TransNow Final Report, August, 2006.
- Jessup, Eric, Steve Peterson and Ken Casavant. "Identification of Factors Influencing Inter-Modal Facility Location Decisions: Empirical Estimation Procedures." TransNow Final Report, May 2005.
- Jessup, Eric. "Trade, Transportation and Freight Mobility: Invest Now or Pay Later?" Chapter published in the Metropolitan Briefing Book 2005. Published by the Institute of Portland Metropolitan Studies, Portland State University, Portland, OR, January, 2005.
- Casavant, Ken and Eric Jessup. "Idaho Commercial Truck Registration Study: Final Report." Idaho Transportation Department and the National Institute for Advanced Transportation Technology. University of Idaho. NIATT #N04-05. March 2004.
- Jessup, Eric, Ken Casavant, and Catherine Lawson. "Truck Trip Data Collection Methods: Final Report SPR343." Oregon Department of Transportation and the Federal Highway Administration. Salem, OR. February 2004.
- Monson, Jason, and Ken D. Duft, Ken Casavant, and Eric Jessup. "The Changing Dynamics of Grain Cooperatives in Eastern Washington," Agribusiness Management Report, EB1985E, 2004, School of Economic Sciences, WSU
- Casavant, Ken and Eric Jessup. "Impact on Grain Movements from Columbia-Snake River Drawdown, in Eastern Washington Freight Mobility Study, HDR Engineering." Report to the Washington State Legislative Transportation Committee. January 1998.
- Casavant, Ken L. and Eric L. Jessup. "Characteristics of Idaho Wheat Transportation." Idaho Wheat Commission. January 1997.
- Jessup, Eric and Ken Casavant. "Characteristics and Structure of Elevators in BN/SF Sale." Report to HDR Engineering, September 1996.
- Jessup, Eric L. and Ken L. Casavant. "Logistical Efficiency Underlies Agribusiness Success." Agribusiness Management. Washington State University. Cooperative Extension, College of Agriculture. June 1994.

Freshwater, David, Eric L. Jessup, Lisa Mangus and Richard Mook. "Factors Affecting the Stability of Thoroughbred Breeding Enterprise Income and Asset Values in the Bluegrass Region of Kentucky." University of Kentucky. May 1992.

Invited Speaking Requests / Presentations

Jessup, E. L., PacTrans Annual Conference, "Freight System Impacts Resulting from Covid-19." Seattle, WA, October, 2020 (Panel Moderator) (virtual event).

Jessup, E. L., Washington State Tree Fruit Association Annual Conference, Batjer Address, "Adapting to Change." Wenatchee, WA, December. 2020 (virtual event).

Jessup, E. L., Washington Transportation Commission Regional Meeting, "Freight Policy Transportation Update." Washington Transportation Commission, Pullman, WA, September 2020 (virtual event).

Jessup, E. L. and Sal Hernandez, Oregon Freight Model Users Conference, "Idaho Freight Data & Commodity Supply Chain Results." Salem, OR, May 2020 (virtual event).

Jessup, E. L., Food Distribution Research Society, "Transportation Challenges: Ag. & Food Products Panel," Seattle, WA, October 2019.

Jessup, E. L., Washington, Oregon and California Transportation Commission Meeting, "Agricultural & Rural Transportation," Washington Transportation Commission, Skamania, WA, September 2019.

Jessup, E. L., University of Idaho, College of Natural Resource Science, "PNW Transportation & Economic Connectivity," University of Idaho, Moscow, ID, August 2019.

Jessup, E. L., 2019 Washington State Congressional Delegation Tour, "Transportation Infrastructure & Technological Change," WSU, Pullman, WA, August 2019.

Jessup, E. L., WSDOT TRAC Research Spring Meeting, "Freight Transportation Research: WSU Freight Policy Transportation Institute," Pullman, WA, May 2019.

Jessup, E. L., Washington Public Ports Association Meeting, "Improving Freight Infrastructure Investments," Spokane, WA, May 2019.

Jessup, E. L., PacTrans Board of Directors Meeting, "PacTrans Research Activities at WSU," Seattle, WA, May 2019.

Jessup, Eric. "Innovative Infrastructure Investing." Invited speaker at the Washington Mayors Exchange, Walla Walla, WA, September, 2018.

Jessup, Eric. "Modeling Infrastructure Investments: Broiler Export Supply Chain." Invited speaker at the USDA Ag. Export Supply Chain Workshop in Atlanta, GA, September, 28, 2018.

Jessup, Eric. "Modeling Infrastructure Investments: Tree Nut Export Supply Chain." Invited speaker at the USDA Ag. Export Supply Chain Workshop in Oakland, CA, August, 14, 2018.

- Jessup, Eric. "Prioritizing Transportation Infrastructure Investments." Invited speaker at the National Agricultural Transportation Summit, Arlington VA, July, 26, 2018.
- Jessup, Eric. "Planning for Success: How rail will meet the needs of a growing PNW economy?" Invited speaker at the Pacific Northwest Waterways Association 2018 Summer Conference, Clarkston, WA, June 26, 2018.
- Jessup, Eric. "Modeling Infrastructure Investments: Soybean Export Supply Chain." Invited speaker at the Inland Marine Expo. and USDA Ag. Export Supply Chain Workshop in St. Louis, MO, May, 21, 2018.
- Jessup, Eric. "Modeling Infrastructure Investments: Wheat Export Supply Chain." Invited speaker at the USDA Ag. Export Supply Chain Workshop in Seattle, WA, March, 30, 2018.
- Jessup, Eric. "Freight Policy Transportation Institute Update." Invited speaker at the Puget Sound Regional Freight Roundtable, Seattle, WA, June 2, 2017.
- Jessup, Eric. "Marine Freight Outlook and Transportation Challenges." Invited speaker at the Equipment Leasing and Finance Association Conference, Scottsdale, AZ, February 21, 2016.
- Jessup, Eric. "Logistic Challenges Connecting Producers and Consumers Globally." Invited speaker at the Illinois Agricultural Leadership Program, Peoria, IL, September 10, 2015.
- Jessup, Eric. "Transportation Challenges for Rural America." Invited speaker at the National Farm Foundation Forum, National Press Club, Washington DC, November 19, 2014.
- Simmons, Sarah, Eric Jessup and Ken Casavant. "What Happened While it Was Down? The Columbia-Snake River Extended Lock Outage." Invited presentation to the Pacific Northwest Waterways Association Mid-Year Meeting, Coeur d'Alene, ID, June, 28, 2011.
- Jessup, Eric. "Transport Economics, Logistics and Optimizing Wood Flows." Invited presentation to the Institute for Forest Utilization and Work Science, Albert-Ludwigs-Universitat, Freiburg, Germany, Feb. 2011.
- Casavant, K. and Eric Jessup. "Final Recommendations for the Oregon Fuel Factor Process." Invited presentation to the technical advisory research committee for the Oregon State Department of Transportation, Salem, Oregon, March, 2010.
- Casavant, K. and Eric Jessup. "A Research Agenda for the Future." Invited presentation to the technical advisory committee of the Freight Policy Transportation Institute, Washington, DC, January, 2010.
- Jessup, Eric, Drumm, Scott, Taylor, April, Harris, Matt, Wong, Michael, & Sinner, Robert. "Transportation Challenges/Opportunities Facing the Agricultural Industry." Panel Organizer and Chair at the Transportation Research Forum Transportation Research Forum, Portland, OR, March, 2009

- Holmgren, Mark, Casavant, Ken, & Jessup, Eric. "Evaluation of Fuel Usage Factors in Construction for Oregon." Invited presentation to the Oregon Department of Transportation, Technical Advisory Committee, Salem, OR, November, 2009.
- Jessup, Eric & Sage, Jeremy. "Washington State Community & Technical Colleges Transportation Access Study." Invited Presentation to the Washington State Community and Technical Colleges Mission Study Task Force, Olympia, WA, June 2009.
- Casavant, Ken & Jessup, Eric. "Essential Issues in Agricultural Trucking; Politics, Policy and Practice." Invited presentation to the National Agricultural Trucking and Trade Conference, Washington DC, July, 2009
- Jessup, Eric and Casavant, Ken. "Transportation Research Group: Freight Transportation Update." Invited presentation to the Washington State Transportation Commission, Pullman, WA, March, 2008.
- Casavant, Ken and Eric Jessup. "Washington State University Transportation Research Group: Research Update." Invited presentation to Representative Cathy McMorris and Legislative Staff, Spokane, WA, May, 2008.
- Jessup, Eric and Casavant, Ken. "Freight Transportation Research at Washington State University." Invited presentation to the Washington Legislative Staff, Washington D.C., March, 2008.
- Casavant, Ken and Eric L. Jessup. "Energy Use and Alternatives in the Transport of People and Goods." Invited presentation at the 2007 All Extension Conference, Spokane, WA., July, 2007.
- Jessup, Eric L. "Freight Mobility: The Future of Shortline Railroads." Invited presentation at the Inland Northwest Regional Transportation Summit, Spokane, WA. August, 2007
- Casavant, Ken and Eric L. Jessup. "Transportation Infrastructure Bottlenecks in the Pacific Northwest." Invited presentation at the INFORMA: Transportation and Logistics Roundtable: The Northwest Passage, Land, Water and Sea, Port of Seattle, Seattle, WA., June, 2007.
- Jessup, Eric L. and Ken Casavant. "Transportation Challenges and Outlook: Bio Energy and Agriculture." Invited panel presentation at the School of Economic Sciences 2007 Annual Conference: Economic Issues and Outlook, Pasco, WA., November, 2007
- Jessup, Eric L. and Ken Casavant. "History, Function and Future of the Columbia-Snake Waterway." Invited presentation to the Washington State Transportation Commission, Skamania Lodge, Stevenson, WA, October, 2007.
- Casavant, Ken and Eric L. Jessup. "Moving it All: Supplying Transportation Capacity to Meet Regional and State Needs." Invited presentation at the School of Economic Sciences, Friends Event, Vancouver, WA. April, 2007.

Jessup, Eric. "SFTA Freight Data Applications." Invited presentation at the Washington State Department of Transportation Snoqualmie Pass Transportation Conference. Spokane, WA, December, 2005.

Jessup, Eric. "Grain Industry Changes, Challenges and Positive Initiatives." Invited presentation at the Cooperative Agricultural Producers Annual Meeting, Rosalia, WA, November, 2005.

Jessup, Eric. "Freight Transportation Impacts: Truck, Rail and Water." Invited presentation at the Global Conference on Oil Depletion, Spokane, WA, October, 2005.

Jessup, Eric and Ken Casavant. "Utilizing Origin-Destination Data to Evaluate WIM/PTR Sites in Washington State." Invited presentation to the Washington State Department of Transportation, Data Office, Olympia, WA. May, 2005.

Jessup, Eric and Ken Casavant. "Transportation and Market Accessibility: Dynamic Grain Industry Changes, Transportation Challenges and Positive Initiatives." Invited presentation to the Pullman Chamber of Commerce, Pullman, WA, February, 2005.

Jessup, Eric. "Trade, Transportation and Freight Mobility: Invest Now or Pay Later?" Invited presentation at the Institute of Portland Metropolitan Studies, Portland State University, Portland, OR, January, 2005.

Jessup, Eric and Ken Casavant. "Putting Freight Data To Work: Summary of Available SFTA Data and Studies." Invited presentation to the Puget Sound Regional Freight Mobility Roundtable. Seattle, WA. May 2004.

Casavant, Ken and Eric Jessup. "What Does Spokane Have and What Can Spokane Do?" Invited presentation to the International Trade Alliance, Spokane, WA, November 2003.

Jessup, Eric and Ken Casavant. "Freight Data and Information for Highway Users." Invited presentation to the Washington Highway Users Federation Meeting. Olympia, WA, October 2003.

Jessup, Eric and Ken Casavant. "Data and Information for Improved Freight Mobility." Invited presentation to the Washington State Freight Mobility Strategic Investment Board of Directors Meeting. Pasco, WA. September, 2003.

Jessup, Eric and Ken Casavant. "The Future of the Moses Lake Railroad Branch." Invited presentation to the Project Blue Sky Team, Moses Lake, WA, July, 2003.

Jessup, Eric and Ken Casavant. "The Role of the Columbia/Snake Waterway for Agricultural Transport: Regional Impact of Agricultural Transportation." Invited presentation to the Transportation Research Board Meeting, Portland, OR. July, 2003.

Casavant, Ken and Eric Jessup. "Shortline Railroads and the Role of the Port of Whitman County." Invited presentation to the Port of Whitman County, Colfax, WA, June, 2003.

Casavant, Ken and Eric Jessup. "SFTA Origin-Destination Data: Supporting Transportation Decision Making." Invited presentation to the Oregon Regional Freight Data Working Group. Portland, OR, May, 2003.

Casavant, Ken and Eric Jessup. "Report to the Port of Moses Lake Railroad Task Force." Invited presentation to the Port of Moses Lake, Moses Lake, WA, April, 2003.

Lenzi, Jerry, John Doyle, Eric Jessup and Ken Casavant. "SFTA: Supporting Transportation Decision Making." Invited presentation to the Washington State Department of Transportation Freight Working Group. Olympia, WA. March, 2003.

Jessup, Eric and Ken Casavant. "SFTA Projects and Prospects." Invited presentation to the Washington State Transportation Commission, Pasco, WA, March, 2003.

Casavant, Ken and Eric Jessup. "Shortline Railroad Economics." Invited presentation to the Port of Whitman County, Colfax, WA, February, 2003.

Jessup, Eric and Ken Casavant. "Grain Industry Changes in Washington." Invited presentation to the Washington Wheat Commission. Spokane, WA. January 2003.

Casavant, Ken and Eric Jessup. "SFTA and the Commission." Invited presentation to the Washington State Transportation Commission, Seattle, WA, January, 2003.

Jessup, Eric L. "GIS Applications in Agricultural Economics." Invited Symposium Presenter at the American Agricultural Economics Association Annual Meeting. Toronto, Canada. July 1997.

Jessup, Eric L. "Using GIS as a Planning Tool." Invited presentation to the WSDOT Joint Spring Planning Conference. Spokane, Washington. May 1996.

Presentations: Papers Presented

Hernandez, S., Jessup, E. L. "Safe & Adequate Truck Parking in the Pacific Northwest: Analysis of Truck Driver Survey." Paper presented at the PacTrans Conference, Seattle, WA, October 2017.

Lang, Eric and Eric Jessup. "An Improved Methodology to Evaluate the Benefits of Highway Preservation." Paper presented at the Western Economics Association International Meeting, San Diego, CA, June, 2017.

Sage, Jeremy, Austin Miller and Eric Jessup. "Transportation System Resiliency: A National Perspective of Potential Infrastructure Impacts from Climate Change." Paper presented at the Pacific Northwest Regional Economics Conference, Bend, OR, May, 2017.

Briscoe, Erika, Eric Jessup and Ken Casavant. "Economic and Environmental Impacts from the Columbia-Snake River Extended Lock Outage: 2016-2017." Paper presented at the Pacific Northwest Regional Economics Conference, Bend, OR, May, 2017.

Casavant, Ken, Jesse Gastelle, Peter Caffarelli and Eric Jessup. "U.S. Rail Freight Demand, Service, Capacity and Performance." Paper presented at the Pacific Northwest Regional Economics Conference, Bend, OR, May, 2017.

- Hernandez, Salvador, Eric Jessup, Jason Anderson and Eric North. "Uncovering Confounding Factors of Large Truck Crashes and Safety Critical Events: An Exploratory Analysis of Northwest Truck Driver Survey." Paper presented at the Transportation Research Forum Annual Conference, Chicago, IL, April, 2017.
- Sage, Jeremy, Eric Jessup and Ken Casavant. "Investing in Connectivity: A Geographical Argument for the Importance of Agricultural Freight Flows." Paper presented at the Western Economics International Association Conference, Portland, OR, June 2016.
- Walkiewicz, Juliana and Eric Jessup. "Customers and Markets of Forest Biomass for the Future." Paper presented at the European Biomass Conference, Copenhagen, Denmark, June 2013.
- Casavant, Ken, Eric Jessup and Catherine Lawson. "Developing Successful Methods for Collecting Truck Trip Data." Paper presented at the International Conference on Transport Survey Methods. Puyehue, Chile, Nov. 14-18, 2011.
- Khachatryan, Hayk, Ken Casavant, Eric Jessup, Jie Chen, Shulin Chen, and Craig Frear. "Waste to Fuels Technology: Regional Evaluation of Three Technology Options and the Economics for Converting Biomass to Fuels." Paper presented at the 58th Annual North American Meetings of the Regional Science Association International (RSAI), Miami, FL, November, 2011.
- Khachatryan, Hayk., Ken Casavant, Eric Jessup, Craig Frear, and Jeremy Sage. "Geographic Market Assessment and Sensitivity Analysis for Renewable Fertilizers from Dairy Anaerobic Digestion with Integrated Nutrient Recovery Systems." Paper presented at the 58th Annual North American Meetings of the Regional Science Association International (RSAI), Miami, FL, November, 2011.
- Goodchild, Anne, Ken Casavant and Eric Jessup. "Quantifying Freight Benefits for Project Planning and Prioritization." Paper presented at the National Urban Freight Conference, Long Beach, CA, Oct 12-14, 2011.
- Jessup, Eric, Ken Casavant, Craig Frear and Hayk Khachatryan. "Economic Feasibility Assessment for Renewable Fertilizers from Anaerobic Digestion With Integrated Nutrient Recovery System." Paper presented at the International Food and Agribusiness Management Association (IFAMA) Symposium, Frankfurt, Germany, June, 2011.
- Simmons, Sarah, Eric Jessup and Ken Casavant. "A Real Time Assessment of a Major Transportation Disruption." Paper presented at the Pacific Northwest Regional Economic Conference, Victoria, BC, May 12, 2011.
- Simmons, Sarah, Eric Jessup and Ken Casavant. "A Real Time Assessment of a Major Transportation Disruption." Paper presented at the 52nd Annual Transportation Research Forum, Long Beach, CA, March 11, 2011.
- Casavant, Ken and Eric Jessup. "Transportation Costs Impacts on the Economic Viability of Ethanol/Biofuels Production." Paper presented at the World Conference on Transportation Research, Lisbon, Portugal, July, 2010.

- Casavant, Ken and Eric Jessup. "Developing New Fuel Factors for Construction Project Costs." Paper presented at the International Symposium on Agriculture, Athens, Greece, July, 2010.
- Khachatryan, H., E. Jessup and K. Casavant. "Locally Linear Spatial Estimation of Ethanol Demand in Minnesota." Paper presented at the 4th World Conference of the Spatial Econometrics Association, Chicago, IL, June, 2010.
- Sage, J., E. Jessup and K. Casavant. "When All Miles are Not the Same: Spatial Non-Stationary Impacts of Educational Travel Time Requirements." Paper presented at the 4th World Conference of the Spatial Econometrics Association, Chicago, IL, June, 2010.
- Khachatryan, H., E. Jessup and K. Casavant. "Waste to Fuel: Investigation of Regional Biomass Supply." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC), Missoula, MT, May, 2010.
- Sage, J., Jessup, E.L., & Casavant, K. "Spatial Non-Stationarity of Educational Travel Time Impacts: An Application of Geographically Weighted Regression." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC) Missoula, MT, May, 2010
- Simmons, Sara, Ken Casavant and Eric Jessup. "Factors in a Fuel Consumer's Choice to Drive: A Washington State Case Study." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC) Missoula, MT, May, 2010
- Casavant, Ken, Eric Jessup and Daniel Nibarger. "Rail Rate Changes Since the Staggers Act." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC) Missoula, MT, May, 2010
- Holmgren, Mark, Ken Casavant and Eric Jessup. "Evaluating the Current Practice of Fuel Price Adjustments in Highway Construction: A Case Study of the State of Oregon." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC), Missoula, MT, May, 2010.
- McCracken, Vicki, Nguyen, Diem, Jessup, Eric and Ken Casavant. "Structural Characteristics and Performance of Washington Log Trucking Companies: An Empirical Analysis." Paper presented at the Transportation Research Forum, Washington DC, March, 2010.
- Prater, Marvin, Casavant, Ken, Jessup, Eric, Bahizi, Pierre, Nybarger, Daniel, & Blanton, Bruce. "An Investigation of Rail Freight Transportation Competition." Paper presented at the Transportation Research Forum, Washington DC, March 2010.
- Denicoff, Marina, Jessup, Eric, Taylor, April, Nybarger, Daniel, Casavant, Ken, & Blanton, Bruce. "Assessing the Importance of Freight Transportation to U.S. Agriculture." Paper presented at the Transportation Research Forum, Washington DC, March 2010.
- Holmgren, Mark, Jessup, Eric, Casavant, Ken, & Lazarus, Jon. "Improving Fuel Price Adjustments for State Departments of Transportation: A National Survey of Practice." Paper presented at the Transportation Research Forum, Washington DC, March, 2010.

- Casavant, Ken, Jessup, Eric, Prater, Marvin, Blanton, Bruce, Bahizi, Pierre, Nybarger, Daniel, Hill, Johnny, & Weingram, Isaac. "Rail Rate Changes Since the Staggers Act." Paper presented at the Transportation Research Forum, Washington DC, March, 2010.
- Khachatryan, H., E. Jessup and K. Casavant. "Spatial Patterns in Household Demand for Ethanol." Paper presented at the Transportation Research Forum (TRF), Washington DC, March, 2010.
- Khachatryan, H., E. Jessup and K. Casavant. "The Spatial and Temporal Differences in the Price-Elasticity of Demand for Biofuels." Paper presented at the Regional Science Association International (RSAI), San Francisco, CA, November, 2009.
- Chen, J., H. Khachatryan, C. Frear, S. Chen, and E. Jessup. "Techno-Economic Analysis of Waste to Energy Process Based On Biorefinery Process Models." Paper presented at the American Institute of Chemical Engineers (AIChE), Nashville, TN, November, 2009.
- Khachatryan, H., K. Casavant, and E. Jessup. "Waste to Fuels: Economic Feasibility of Biofuels Processing in the State of Washington." Paper presented at the Beyond Waste Workshop, Washington State Department of Ecology (Head Office), Lacey, WA, June, 2009.
- Casavant, Ken., Mason, Larry, Nguyen, D., & Jessup, Eric. "Economics and Safety in the Log Trucking Industry in Washington." Paper presented at the Transportation Research Forum, Portland, OR, March, 2009.
- Jessup, Eric. "Weigh-in-Motion / Permanent Traffic Recording Site Evaluation." Paper presented at the Transportation Research Forum, Portland, OR, March, 2009.
- Khachatryan, Hayk., Jessup, Eric, & Casavant, Ken. "A GIS-based Estimation of Regional Biomass Supply and Transportation Costs for Biofuel Plant Least-Cost Location Decisions." Paper presented at the Transportation Research Forum, Portland, OR, March 2009.
- Chen, J., Khachatryan, Hayk., Frear, Craig., Chen, Shulin., & Jessup, Eric. "Techno-Economic Analysis of Waste to Energy Process Based On Biorefinery Process Models." Paper presented at the American Institute of Chemical Engineers, Nashville, TN, November, 2009.
- Sage, Jeremy, & Jessup, Eric. "Educational Access: A Geography of Opportunity for the Community Colleges of Washington." Paper presented at the Regional Science Association International, San Francisco, CA, November, 2009.
- Khachatryan, Hayk, Casavant, Ken & Jessup, Eric. "The Spatial and Temporal Differences in the Price-Elasticity of Demand for Biofuels." Paper presented at the Regional Science Association International, San Francisco, CA, November 2009.
- Khachatryan, Hayk, Casavant, Ken, & Jessup, Eric. "Waste to Fuels: Economic Feasibility of Biofuels Processing in the State of Washington." Paper presented at the Beyond Waste Workshop, Washington State Department of Ecology Beyond Waste Workshop, Lacey, WA, August, 2009.

- Yoder, J., Shumway, C.R., Wandschneider, P., Young, D.L., Chouinard, H.H., Espinola-Arredondo, A.F., Galinato, S., Frear, C.S., Holland, D., Jessup, E.L., Lafrance, J.T., McCullough, M., Painter, K., & Stodick, L. (2009). "Searching for the Right Niche: Biofuel Policy Design for Washington State." Paper presented at the Western Agricultural Economics Association Meetings, Hawaii, June, 2009.
- Khachatryan, H., Eric Jessup and Ken Casavant. "A Geographic Information Systems Approach to Estimating Delivered Cost of Energy Feedstocks." Paper presented at the Canadian Transportation Research Forum, Fredericton, New Brunswick, Canada, June, 2008.
- Khachatryan, H., Eric Jessup and Ken Casavant. "Estimating Distribution Costs for Cellulosic Ethanol: Origin-Destination Route Optimization using Geographic Information Systems." Paper presented at the Regional Science Association International (RSAI), Brooklyn, NY, November, 2008.
- Khachatryan, H., E.L. Jessup and K.L. Casavant, and S. Chen. "Biomass Inventory Technology and Economics Assessments: Collection and Distribution Cost Curves." Paper presented at the Pacific Rim Summit on Industrial Biotechnology and Bioenergy, Vancouver BC, September, 2008.
- Khachatryan, H., E.L. Jessup and K.L. Casavant. "Delivered Transportation Costs of Forest Residue for Cellulosic Ethanol Processing." Paper presented at the International Food and Agribusiness Management Association (IFAMA), Monterey, CA, June 2008.
- Khachatryan, H., E.L. Jessup and K.L. Casavant. "Spatial Investigation of Biomass for Cellulosic Ethanol Processing in the State of Washington." Paper presented at the Pacific Northwest Regional Economic Conference (PNREC), Tacoma, Washington, May, 2008.
- Khachatryan, H., E.L. Jessup and K.L. Casavant. "Modeling Infrastructure for Biofuels Industry: Derivation of Crop Residue Feedstock Supply Curves Using Geographic Information Systems." Paper presented at the Transportation Research Forum (TRF), Fort Worth, TX, March, 2008.
- Everett, Jamie N., and Eric L. Jessup. "Investigating the Demand for Warehouse Space and the Spatial Attributes Influencing Those Decisions." Paper presented at the Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.
- Khachatryan, H., and Eric L. Jessup. "Payload Weights and Hauling Distances: The Potential Effects on Highway Deterioration." Paper presented at the Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.
- Galloway, H., Ken Casavant and Eric L. Jessup. "Projections of British Columbia-Washington Truck Freight Border Crossings Based on Commodity Trade." Paper presented at the Canadian Transportation Research Forum, Winnipeg, Canada, June, 2007.
- Jessup, Eric L., Cullen, K., and Jerry Lenzi. "Washington State All-Weather Road GIS Mapping: Improved Statewide Freight Flows and Connectivity." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.

- Gossard, M., Jessup, Eric L., and Ken Casavant. "CO2 vs. Salmon: Complementary Policies in Wheat Transportation in the Pacific Northwest?" Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Painter, K.M., Jessup, Eric L., Gossard, M., and Ken Casavant. "Rural Transit Demand Estimation: An Alternative Approach in the State of Washington." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Peterson, S., and Eric L. Jessup. "Transportation Infrastructure and Economic Activity: Evidence Using Vector Autoregression, Error Correction and Directed Acyclic Graphs." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Monson, G., Jessup, Eric L., and Ken Casavant. "Supply Chain Analysis: Port Security Measures and Catastrophic Events." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Khachatryan, H., and Eric L. Jessup. "Spatial Investigation of Mineral Transportation Characteristics in the State of Washington." Paper presented at the Transportation Research Forum Annual Meetings Boston, MA, May, 2007.
- Jessup, Eric L., Meenach, S., and Ken Casavant. "Modeling Containerized Hay Shipments in the Pacific Northwest: Investigating Cost and Volume Impacts as Port of Portland Container Services is Reduced." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Galloway, H., Casavant, K., and Eric L. Jessup. "Projections of Washington-British Columbia Trade and Traffic, by Commodity, Route and Border Crossing." Paper presented at the Transportation Research Forum Annual Meetings, Boston, MA, May, 2007.
- Fujisawa, K., Goodchild, A., and Eric L. Jessup. "Modeling Containerized Cargo Shipments Between Ocean Port and Handling Facilities." Paper presented at the INFORMS Annual Meeting, Seattle, WA, November, 2007.
- Monson, Grant, Eric L. Jessup and Ken. "Management of Supply Chains for Economic Efficiency in a Security Environment: A Case Study of a Big Box Chain Store." Paper presented at the I Mediterranean Conference of Agro-Food Social Scientists, Barcelona, Spain, April, 2007.
- Galloway, H., Casavant, Ken and Eric L. Jessup. "Projecting Trade and Traffic by Commodity, Route, and Border Crossings: A Case Study of Washington State and Canada." Paper presented at the I Mediterranean Conference of Agro-Food Social Scientists, Barcelona, Spain, April, 2007.
- Jessup, Eric, Stephanie Meenach and Ken Casavant. "Transportation Optimization Modeling for Washington State Hay Shipments: Mode and Cost Implications Due to Loss of Container Services at the Port of Portland." Paper presented at the International Association of Agricultural Economist Annual Meeting, Brisbane, Australia, August 2006.

- Jessup, Eric, Quintin Pike and Ken Casavant. "Empirical Estimation of Attributes Influencing Warehouse/Distribution Center Operations: Washington State Warehouse Industry." Paper presented at the Annual Transportation Research Forum Meetings, New York., March, 2006.
- Puenpatom, Tosmai, Eric Jessup and Ken Casavant. "Geo-Coding Survey Truck Route Data: GIS Analytical Applications." Paper presented at the Annual Transportation Research Forum Meetings, New York., March, 2006.
- Casavant, Ken and Eric Jessup. "How Can Inter-Modal Truck-Rail Facilities Provide Continuing Service in the Supply Chain: An Application in Washington State." Paper presented at the International PENSA Conference on Agri-Food Chain/Networks Economics and Management, Ribeirao Preto, Brazil, August, 2005.
- Jessup, Eric, Jon Newkirk and Ken Casavant. "What Information on Grain Movements is Useful to Estimate the Demand for Barge Transportation?" Paper presented at the International PENSA Conference on Agri-Food Chain/Networks Economics and Management, Ribeirao Preto, Brazil, August, 2005.
- Puenpatom, Tosmai and Eric Jessup. "Impact of Identity Preserved Grain on Rail Car Allocation." Paper presented at the Western Agricultural Economics Association Annual Meeting. San Francisco, CA, July, 2005.
- Jessup, Eric and Ryan Herrington. "Estimating the Impact of Seasonal Truck Shortages to the Pacific Northwest Apple Industry: Transportation Cost Minimization Approach." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Jessup, Eric, Ken Casavant, Catherine Lawson and Alan Kirk. "The Dirty Job of Truck Movement Data Gathering: An Evaluation of Intercept Surveys." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Meenach, Stephanie, Eric Jessup and Ken Casavant. "Transportation Logistics and Supply Chain Characteristics of Washington Hay and Livestock Movements." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Casavant, Ken, Eric Jessup and Jon Newkirk. "Airport Transportation: The Search for Benefits of Rural Airports." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Casavant, Ken and Eric Jessup. "What Makes Them Viable? Determining the Attributes that Offer Potential Viability to Inter-Modal Truck-Rail Facilities in Washington State." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Jessup, Eric, Shushanik Makaryan and Ken Casavant. "Pacific Northwest Waterborne Commerce: A Detailed Analysis of Up-River and Down-River Movements on the Columbia/Snake River System." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.

- Pike, Quintin, Ken Casavant and Eric Jessup. "Transportation Usage and Characteristics of the Washington Warehouse/Distribution Center Industry." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Peterson, Steve, Eric Jessup and Ken Casavant. "Freight Origin and Destination Study for Washington State Trucking: Characteristics and Trends." Paper presented at the Annual Transportation Research Forum Meetings, Washington D.C., March, 2005.
- Jessup, Eric and Ryan Herrington. "Estimating the Impact of Seasonal Truck Shortages on Movement of Time-Sensitive, Perishable Products: Transportation Cost Minimization Approach." Paper presented at the Transportation Research Board Meetings, Washington D.C., January 2005
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