

***Curriculum Vitae* – LISA AULTMAN-HALL, Ph.D.**

Professor, Civil and Environmental Engineering
University of Vermont, Burlington, VT 05405

Academic Appointments

University of Vermont

Professor, Civil and Environmental Engineering (2006-present)
USDOT National Center for Sustainable Transportation – Associate Director (2013-present)
USDOT Vermont National University Transportation Center (UTC) – Director (2006-2015)
UVM Transportation Research Center – Founding Director (2006-2011)

University of California Davis

Visiting Scholar, Institute for Transportation Studies (2012-2013 and 2016-2017)

University of Connecticut

Associate Professor, Dept. of Civil and Environmental Engineering (2001-2006)
Director, Connecticut Transportation Institute (2003-2006)

University of Kentucky

Assistant Professor, Department of Civil Engineering (1996-2001)

Education

McMaster University, Hamilton, Ontario, Canada

1996 Ph.D., Civil Engineering

Queen's University, Kingston, Ontario, Canada

1993 Master of Science, Civil Engineering

McMaster University, Hamilton, Ontario, Canada

1991, Bachelor of Engineering, Civil Engineering

Research Expertise

- Transportation network resiliency and adaptation planning
- Travel survey methods including on-line surveys, GPS and “big data”
- Travel behavior – long distance overnight travel, bicycle transportation
- Vehicle tailpipe emissions, especially second-by-second driving style
- Transportation system design (recently safety, streetscapes design and bicycle transportation)

Grants and Funding (58 projects or programs 1995-2017):

External Grant Program PI (Center grants) – \$20.7M

Research Grants as PI – \$2.6M

Dissemination of Research:

Refereed Journal Papers: 60

Conference Papers, Presentations and Invited Seminars: 118 (not including those also in journals)

Technical Reports: 85

Students Supervised:

4 Ph.D., 15 MS students, 16 Undergraduate researchers

Highlights Of Recent University of Vermont Service:

- Engineering & Mathematical Sciences Dean Search Committee (1 of 4 elected faculty) (2017-2018)
- Campus-wide Administrative Unit Review Oversight Committee (2014-present)
- President and President-elect UVM Faculty Senate (2014-2016)
- Steering Committee for Incentive-based Budgeting (2013-2015; 2018-present)
- Chair of the Subcommittee on Undergraduate Tuition Revenue (2013-2015)
- College Tenure and Promotion Review Committee (2009-10; 2011-13 and 2017-18)
- Diversity Curriculum Review Committee (2007-2010)
- Graduate Faculty Executive (2008-2010)
- Faculty Senate Committee on Research & Graduate Education (2009-2012)

Highlights Of Recent Professional Service:

- Board of Advisors of the Institute of Transportation Studies at UC Davis (2017-2020)
- TRB – National Household Travel Survey Workshop – technical committee chair – August 2018
- TRB and U.S. DOT UTC Spotlight Conference - Pedestrian and Bicycle Safety. December 1-2, 2016 – organizing committee
- Biennial Asilomar Conference: Transportation and Energy Policy in a Volatile World August 18 – 21, 2015 Steering Committee
- TRB – Chair of Committee on National Transportation Data ABJ10 (March 2018)
- Task Force on the Future of the National Household Transportation Survey (NHTS) (2011-present)
- Transportation Research Board and U.S. DOT – Conference Chair October 2010 National Research Council Conference – Research for Transportation and Livable Communities
- TRB Committees: Travel Survey Methods (2005-15); National Transportation Data (2014-present); Travel Behavior and Values (2017-20)
- Transportation Research Part A (member of editorial review board 2008-present)
- Journal of Transportation Safety and Security (member of editorial review board 2008-2015)

Accomplishments In Research Director Positions

University of Vermont Transportation Research Center

(2006-2011 – Founding Director; 2006-2015 USDOT UTC Program Director)

- Reported to the Provost and Vice-President for Research; developed and implemented *Strategic Plan* for research and education
- Managed \$17M of USDOT UTC programs (plus 1:1 non-federal cost share)
- Hired a staff of 12 for research, program coordination and administration
- Negotiated center structure, budget and incentive funds with central administration
- Managed 5 major research grant competitions and numerous small incentive programs
- Mentored 35+ faculty from multiple colleges in foundational transportation research projects
- Developed new cooperative research partnership with Vermont Agency of Transportation
- Coordinated external relationships with state/federal partners, external advisory committee
- Led development of external grant proposals (including initial awards of FHWA Workforce Development Center (2008-present), New England Transportation Consortium (2011-present))

University of Connecticut – Connecticut Transportation Institute (2003-2006)

- Reported to Engineering Dean; implemented new *Strategic Plan* for 30-yr old Institute
- Reconstituted staff of 12, management structure and financial procedures
- Managed the peer-reviewed Connecticut Cooperative Highway Research Program
- Oversaw a six-state research partnership: New England Transportation Consortium

Grant Funding

(shaded entries are centers/programs; * indicates research projects for which I was also director of the overall program)

	Year	Months	Agency, Title and PIs	Award
58.	2016-2021	60	USDOT through UC Davis National University Transportation Center on Environmental Sustainability – Aultman-Hall UVM PI (90%)	\$1.4M
57.	2016	12	Vermont Agency of Transportation “Designing the All-in-One Vermont Travel Survey” Aultman-Hall (100%)	\$65K
56.	2016	12	*USDOT National Center for Sustainable Transportation – “White Paper on Long Distance Travel in the United States” Aultman-Hall (100%)	\$61K
55.	2015	24	*USDOT National Center for Sustainable Transportation – “Advancing Models of Intercity Travel: Overnight Models and Mobile Device Data” – Aultman-Hall PI (100%)	\$267K
54.	2015	24	*USDOT National Center for Sustainable Transportation “Assessing Network Criticality for Climate Adaptation Planning” – Dowds (PI) and Aultman-Hall co-PI (33%)	\$200K
53.	2014	12	*USDOT National Center for Sustainable Transportation “White Paper on Challenges and Opportunities for Integrating Climate Adaptation Efforts across State, Regional and Local Transportation Agencies” – Aultman-Hall (100%)	\$30K
52.	2014	3	Vermont Agency of Transportation “Assessing the Travel Data Needs for Vermont Transportation Performance Metrics” Aultman-Hall (100%)	\$12K
51.	2013-2018	60	US DOT through UC Davis National University Transportation Center on Environmental Sustainability – Aultman-Hall UVM PI (100%)	\$843K
50.	2013	24	Vermont Agency of Transportation “A Study of Driver Idling Behavior” Aultman-Hall (65%) and Sullivan (35%)	\$130K
49.	2011	12	*UVM UTC, New England Transportation Institute and Green Mountain Coffee Roasters “Modeling Vehicle Choice to Assess Potential GHG Emission Gains” – Aultman-Hall (60%) and Lee (40%)	\$80K
48.	2012	36	*UVM UTC “Long Distance and Overnight Travel” Aultman-Hall (100%)	\$90K
47.	2011	30	*UVM UTC “Emissions, Rural Travel Behavior and Efficiency” Aultman-Hall (100%)	\$180K
46.	2009	12	Vermont Agency of Transportation “Quantifying Vermont Transportation Safety Factors” – Watts, Zhang, Glitman and Aultman-Hall (50%)	\$50K
45.	2009-2011	24	Federal Transit Administration (through Univ of Montana) “National Technical Assistance Center for Alternative Transportation on Public Lands” – Aultman-Hall (50%) and Manning	\$100K
44.	2008	12	Maine DOT “Impacts of Transit Oriented Development in Rural Towns” – Watts, Aultman-Hall (50%)	\$50K

43.	2008	12	Two Rivers Regional Planning Commission and UVM Transportation Research Center “Demographics of Transportation in the Two Rivers Area” – Watts (75%) and Aultman-Hall (25%)	\$25K
42.	2008-2010	36	New England University Transportation Center, “Graduate Fellowships” – Aultman-Hall (PI)	\$200K
41.	2008	24	*UVM UTC “A Comprehensive Spatial-Based Measure for Transportation Infrastructure Management” – Novak (45%), Aultman-Hall (45%) and Scott (10%)	\$137K
40.	2008	3	Vermont Agency of Transportation “Incentives for Efficient Transportation” Watts and Aultman-Hall (50%)	\$15K
39.	2008-2012	48	USDOT “Transportation Workforce Development” McRae (PI) and Aultman-Hall (co-PI - 10%)	\$979K
38.	2007	12	*USDOT thru UVM TRC “Application of the Network Robustness Index to Identify Critical Road Network Links Comprehensive” – Novak (45%), Aultman-Hall (45%) and Scott (10%)	\$50K
37.	2007	12	New England University Transportation Center, “Characterizing Older Driver Behavior for Traffic Simulation and Emissions Modeling” – Aultman-Hall (80%), Sadek and Fang	\$79K
36.	2007-2008	12	U.S. Department of Energy and Vermont Department of Public Service Vermont Clean Cities	\$30K
35.	2006-2011	60	USDOT “National University Transportation Center” Aultman-Hall (PI)	\$17.2M
34.	2006	18	New England University Transportation Center, “Measuring the Effect of Passengers on the Safety of Older Drivers” – Aultman-Hall (80%) and Stamatiadis	\$61K
33.	2006	18	New England University Transportation Center, “Using Network Disruptions to Measure System Robustness” – Novak (PI), Aultman-Hall (50%) and Scott (co-PI),	\$92K
32.	2005	18	New England Transportation Consortium “Analysis of Roundabout Operational Characteristics Utilizing Microscopic Simulation Modeling” – Sadek (PI), Aultman-Hall (20%)	\$75K
31.	2005	24	*Connecticut Cooperative Highway Research Program, “Design and Feasibility Study: Connecticut Transportation Planning Data” – Aultman-Hall (80% PI), Ivan (co-PI)	\$68K
30.	2005	10	Connecticut Academy of Science and Engineering, “Improving Winter Highway Maintenance” – Aultman-Hall (100%)	\$10K
29.	2005	6	New England Transportation Consortium, “Management Grant,” – Aultman-Hall (PI)	\$65K
28.	2004	8	Connecticut Department of Transportation, “Evaluating the Long-Term Performance of Pavements Thermally Image During Construction” – Mahoney (PI) and Aultman-Hall (co-PI)	\$48K
27.	2004	12	New England University Transportation Center, “Development of an Optimal Nationwide Freight Planning Zone System” – Aultman-Hall (90% PI), Guo	\$55K

26.	2004	12	Connecticut Department of Transportation, “Development of Internet-based Computer Databases,” – Mahoney (PI) and Aultman-Hall (co-PI – 20%)	\$154K
25.	2003- 2005	36	Connecticut Department of Transportation, “Connecticut Cooperative Highway Research Program,” – Aultman-Hall (PI)	\$750K
24.	2003	60	National Science Foundation. “Modeling the Spatial Distribution of Fine Particulate Matter Emissions from Transportation Vehicles”– Aultman-Hall (50%), Holmén	\$318K
23.	2003	12	New England University Transportation Center, “Modeling Modal Transient Events for Vehicle Emission Models” – Aultman-Hall (50%), Holmén	\$53K
22.	2003	12	New England University Transportation Center, “Parking Demand Management for Sustainable Development: Learning from Innovative New England Communities” – Garrick (PI) and Aultman-Hall (20%)	\$63K
21.	2003	30	National Science Foundation. “Women Engineering Faculty Leadership Network”– Holmén (PI), Aultman-Hall (45%) and MacKay	\$100K
20.	2003	12	*Connecticut Cooperative Highway Research Program, “Factors Affecting Young Drivers Safety” – Aultman-Hall	\$32K
19.	2003	12	Connecticut Department of Transportation, “Program Development for the Connecticut Transportation Institute” – Dougan and Aultman-Hall (50%)	\$105K
18.	2002	16	New England University Transportation Center, “Route Behavior Analysis from a System Efficiency Perspective” – Aultman-Hall (70%), ElDessouki and Parkany	\$57K
17.	2002	24	Connecticut Cooperative Highway Research Program, “Incorporating Truck Flows into the State-wide Planning Traffic Model” – Aultman-Hall	\$100K
16.	2002	16	Connecticut Cooperative Highway Research Program, “Developing a Methodology to Evaluate the Safety of Shared-use Paths” – Aultman-Hall	\$25K
15.	2001	12	University of Connecticut Research Foundation, “Route Choice Behavior in Transportation Networks”, – Aultman- Hall	\$20K
14.	2001	16	Connecticut Department of Transportation, “Lateral Variation in Pavement Smoothness”, – Dougan and Aultman-Hall (30%)	\$80K
13.	2001	16	U.S. Department of Transportation, Bureau of Transportation Statistics, “Development of Freight Commodity Generation Models” – Aultman-Hall	\$64K
12.	2000	12	Kentucky Transportation Cabinet, “Designing Dedicated Infrastructure for Non-motorized Transportation on Rural Low Volume Roads”– Aultman-Hall	\$31K
11.	2000	12	National Science Foundation “Developing a Model to Map Global Positioning System (GPS) Data onto Transportation Networks”– Aultman-Hall	\$65K
10.	2000	12	Southeastern Transportation Center, “Modeling Truck Route Safety with Geometric Roadway Characteristics” –	\$9K

			Aultman-Hall	
9.	2000	12	University of Kentucky Research Committee Grants , “Modeling Traffic Route Choice Behavior” - Aultman-Hall	\$5K
8.	1999	16	Presnell Associates , “Commercial Vehicle Monitoring” - Aultman-Hall (70%) and Crabtree	\$55K
7.	1999	24	Kentucky Transportation Cabinet , “Traffic Growth Rates”– Pigman, Allen and Aultman-Hall (50%)	\$135K
6.	1998	18	FHWA, Kentucky Transportation Cabinet and Ohio DOT , “Evaluation of the ARTIMIS Telephone Traveler Information System”– Aultman-Hall (90%) and Pigman	\$75K
5.	1998	12	Kentucky Transportation Cabinet , “Bicycle Cordon Count Pilot Study” Aultman-Hall	\$5K
4.	1998	12	Southeastern Transportation Center , (1998) “Development of Secondary Highway Accident Countermeasures Through Induced Exposure Analysis”– Stamatiadis and Aultman-Hall (30%)	\$38K
3.	1997	24	Kentucky Transportation Cabinet , “Freight Movement and Intermodal Access in Kentucky”– Aultman-Hall (90%) and Pigman	\$400K
2.	1997	12	Southeastern Transportation Center , “Accidents on Secondary Highways and Counter-Measures,” - Stamatiadis and Aultman-Hall (30%)	\$25K
1.	1995	24	Ontario Ministry of Transportation , “Urban Bicycle Commuter Routes and Risk” – Hall and Aultman-Hall (50%)	\$46K

Research Supervision

Post Doctoral Fellows and Fulltime Research Staff:

Chester Harvey, 2014-2015

Dr. George Lu, 2010-2011

Justine Sears, 2010-2012

Dr. Chen Zhang, 2008-2009

Dr. Gopal Patil, October 2007 – June 2009

Andrew Weeks, 2008-2009

James Sullivan, 2009-2011

Dr. Hyeon-Shic Shin, August 2005-April 2007

Dr. Richard Watts, 2007-2010

James Mahoney, 2003-2006

Ph.D. Student Supervision

Nathan Belz, graduated August 2013, *Planning and Operational Models for Roundabouts*.

Dr. Belz is an Assistant Professor at the University of Alaska.

Feng Guo, May 2010, *National and State Level Freight Generation Modeling*.

Dr. Guo is an Associate Professor at Virginia Tech.

Eric Jackson, December 2007, *Modeling Vehicle Tailpipe Emissions Using Real-world Data*.

Dr. Jackson is Director of the Connecticut Transportation Safety Research Center at UConn

Jianhe Du, August 2005, *Factors Affecting Driver Route Choice*.

Dr. Du is a researcher at the Virginia Tech Transportation Institute.

Masters Student Supervision

<u>Student</u>	<u>Graduation</u>	<u>Research Topic</u>
Sarah Howerter	Expected 2019	Long Distance Travel
Hannah Ullman	Summer 2017	Long Distance Travel
Sean Neely	Spring 2016	Long Distance Travel
Saghar Sadeghpour	Fall 2015	Network Robustness Analysis
Chester Harvey	Summer 2014	Streetscape Design
James Sullivan	Spring 2009	Network Robustness Analysis
Stephanie Mather	Summer 2006	Planning Data
Chris O'Brien	January 2005	Asphalt Binder Testing
Patrycja Padlo	August 2005	Young Driver Safety, HMA Testing
Eric Jackson	August 2004	GPS and Vehicle Operating Mode
Sarah Bowling	May 2001	Intermodal Transportation
Stewart Robertson	May 2001	Safety
Brian Aldridge	Dec 1999	Intermodal Transportation
Jill Clemons Asher	May 1998	Intermodal Transportation
Sarah Schulte	Dec 1998	Safety
Michael Adams	Dec 1997	Transportation Air Quality
Michael Hill	Dec 1997	Intermodal Transportation

Undergraduate Student Research Advising

The following undergraduate students worked in my research group and several continued to graduate school () or co-authored peer-reviewed journal papers or research reports (#).*

Knowles Spofford (2017-2018)	Lance Jennings (2008-2009)*
Maxfield Green (2017)	Jeffrey LaMondia (2003 - 2005)*#
Madeline Suender (2017-2018)#	Christine Hobson (2002-2003)#
Lev McCarthy (Spring 2015)	Bejay Nichols (2000)
Alyssa Johnson (Summer 2014)#	Eric Jackson (2000-2002)*
Julia Ursaki (Summer 2014 - Summer 2015)#	Meredith Himmler (UK, 1999)*
Michael Toth (2014)	Bradford Johnson (1998-1999)#
Ben Rouleau (2011)	Brian Aldridge (1997)*#
Kris Kretch (2008-2009)	

Awards

To me directly:

- UVM Graduate Student Senate Outstanding Faculty Advisor 2014
- Winner TRB Committee on Roundabouts Best Paper Award 2014
- ITE Southern District, 1998 Outstanding Non-Sponsored Technical Paper Award
- ITE Southern District, 1998 Outstanding Sponsored Technical Paper Award

Select Awards for students advised by me:

- Consortium of University Transportation Centers (CUTC) 2015 Wootan Award for Best Master's thesis in Policy and Planning, Chester Harvey
- UVM UTC Student of the Year 2014, Chester Harvey
- Edith D. Hendley Award (for excellence in research as well as dedicated service to women) 2009, Cassandra Gekas
- UVM UTC Student of the Year 2009, Nathan Belz
- UVM UTC Student of the Year 2008, James Sullivan
- Best Presentation Award, TRB Doctoral Student Dissertation Seminar, Jianhe Du 2005

Peer-Reviewed Journal Publications

An * indicates a student working under my supervision while ** indicates other students. ^ indicates my Ph.D. advisors.

60. Dowds, Jonathan, Karen Sentoff, James L. Sullivan and Lisa Aultman-Hall. (2017) Assessing the Impact of Network Resolution and Origin-Destination Aggregation on the Stability of Transportation Network Criticality Rankings. *Transportation Research Record* 2653. DOI 10.3141/2653-11
59. Aultman-Hall, Lisa, Chester Harvey, James Sullivan and Jeffrey LaMondia. (2016) The Impact Of Long-Distance Tour Generation And Travel Attributes On Data Collection In The United States. *TRANSPORTATION*, Volume 43 Number 6, December. DOI 10.1007/s11116-016-9754-y
58. LaMondia, J.J., Michael Moore** and Lisa Aultman-Hall. (2016) Matching Household Lifecycle Characteristics To Clustered Annual Schedules Of Long-Distance And Overnight Travel. *Transportation Research Record*. Volume 2594 pp. 11-17. DOI: <http://dx.doi.org/10.3141/2594-02>
57. Belz*, Nathan, Lisa Aultman-Hall and James Montague**. Influence of Priority Taking and Abstaining at Single-Lane Roundabouts using Cellular Automata. *Transportation Research Part C* (2016), 69 pp. 134-149. DOI:10.1016/j.trc.2016.05.021
56. Harvey*, Chester, Lisa Aultman-Hall, Austin Troy and Stephanie Hurley. (2016) Streetscape Skeleton Measurement and Classification. *Environment and Planning B: Planning and Design*. doi: 10.1177/0265813515624688
55. Belz*, Nathan, Lisa Aultman-Hall and Austin Troy. (2016) Roundabouts in Northern New England, 1990–2010. *Transportation Research Record* 2585. DOI 10.3141/2585-01
54. Aultman-Hall, Lisa. Chester Harvey, Jeff LaMondia and Chloe Ritter. (2015) Design and Response Quality in a One-Year Longitudinal Survey of Overnight and Long-distance Travel. *Transportation Research Procedia*. Volume 11, pp. 136-153. [doi:10.1016/j.trpro.2015.12.012](https://doi.org/10.1016/j.trpro.2015.12.012)
53. Sullivan, James, Jeffrey LaMondia, Chester Harvey, Carter Garrison** and Lisa Aultman-Hall. (2016). An Analysis of the Long Distance and Overnight Travel Tour-Planning Process. *Transportation Research Record*. 2594 pp 1-10. DOI: <http://dx.doi.org/10.3141/2594-01>
52. Harvey*, Chester, and Lisa Aultman-Hall. Measuring the Design and Appeal of Urban Streetscapes A Review of Approaches. (2016) *Professional Geographer* Volume 68 pp. 149-158. <http://dx.doi.org/10.1080/00330124.2015.1065546>
51. Lee, B. H. Y., L. Aultman-Hall, M. A. Coogan, & T. J. Adler. (2016) Rideshare mode potential in northern non-metropolitan areas. forthcoming *Journal of Transport and Land Use*. Volume 9 No. 3. DOI: <http://dx.doi.org/10.5198/jtlu.2015.669>
50. Harvey*, Chester, Lisa Aultman-Hall, Stephanie Hurley and Austin Troy. (2015) Effects of Skeletal Streetscape Design on Perceived Safety. *Landscape and Urban Planning* 142 pp. 18-28. <http://dx.doi.org/10.1016/j.landurbplan.2015.05.007>
49. LaMondia, Jeff, Michael Moore** and Lisa Aultman-Hall. (2015) Modeling Inter-Trip Time Intervals Between Individuals' Overnight Long-Distance Trips. *Transportation Research Record* 2495. DOI: <http://dx.doi.org/10.3141/2495-03>
48. Dowds, Jon and Lisa Aultman-Hall. (2015) Barriers to Implementation of Climate Adaptation Frameworks by State DOTs. *Transportation Research Record* 2532, pp.21-28.
47. Kristine Harootunian**, Brian H. Y. Lee, Lisa Aultman-Hall. (2015) Fault Determination for Crashes in Vermont Implications of Distance from Home. *Transportation Research Record* 2514. DOI: <http://dx.doi.org/10.3141/2514-11>

46. Harvey*, Chester and Lisa Aultman-Hall. (2015) Urban Streetscape Design and Crash Severity. *Transportation Research Record* 2500 pp 1-8. DOI: 10.3141/2500-01
45. Sentoff, Karen, Lisa Aultman-Hall and Britt Holmén, (2015) Implications of Driving Style and Road Grade for Accurate Vehicle Activity Data and Emissions Estimates. *Transportation Research Part D*. 1036:175-188, 10.1016/j.trd.2014.11.021
44. Harootunian, Kristine**, Brian H. Y. Lee and Lisa Aultman-Hall, (2014) Odds of Fault for Out-of-state Drivers in Crashes in Four States in the USA, *Accident Analysis and Prevention*, Volume 72:32-43, November. <http://dx.doi.org/10.1016/j.aap.2014.06.012>
43. Guo, Feng* and Lisa Aultman-Hall. (2014). A Zone Design Methodology for National Freight Origin-Destination Data and Transportation Modeling. *Transportation Planning and Technology*, Volume 37, Issue 8, pp738-756.
42. LaMondia, Jeffrey, Lisa Aultman-Hall, and Elizabeth Greene. (2014) Long-distance Work and Leisure Travel Frequencies: An Ordered Probit Analysis of Stated Preference Data, *Transportation Research Record*, Vol 2413, pp 1-12.
41. Harootunian**, Kristine, Lisa Aultman-Hall, and Brian H. Y. Lee. (2014). Assessing the Relative Crash Fault of Out-of-State Drivers in Vermont, U.S.A. *Journal of Transportation Safety and Security*, Volume 6, Issue 3, Pages 207-219.
40. Belz*, Nathan P., Lisa Aultman-Hall, Per E. Garder, Brian H.Y. Lee. (2014) An Event-Based Framework for Non-Compliant Driver Behavior at Single-Lane Roundabouts, *Transportation Research Record* Vol 2402 pp 38-46. <http://dx.doi.org/10.3141/2402-05>
39. Nam, Richard**, Brian H.Y. Lee, Lisa Aultman-Hall and Justine Sears. (2013) Exploration of Intra-Household Motorized Vehicle Allocation using the 2009 National Household Travel Survey. *Transportation Research Record* 2382, pp 63-74. DOI: 10.3141/2382-08
38. Dowds, Jonathan, James Sullivan and Lisa Aultman-Hall. (2013) Seasonal Comparison of Discretionary Passenger Vehicle Idling Behavior using GPS and OBD Devices. *Transportation Research Record* 2341 pp. 76-82. DOI: 10.3141/2341-08
37. Sears, Justine, Brian Flynn, Lisa Aultman-Hall, Greg Dana. To Bike or Not to Bike: Seasonal Factors for Bicycle Commuting, *Transportation Research Record* Volume 2314, pp 105-111, 2013.
36. Aultman-Hall, Lisa, Justine Sears, Jon Dowds and Paul Hines. (2012) Travel Demand and Charging Capacity for Electric Vehicles in Rural States: Vermont Case Study, *Transportation Research Record* Volume 2287, pp. 27-36. <http://dx.doi.org/10.3141/2287-04>
35. Flynn BS, Dana G, Sears J, Aultman-Hall L. Weather factor impacts on commuting to work by bicycle. *Preventive Medicine*, 54(1):122-124, 2012. doi:10.1016/j.ypmed.2011.11.002
34. Belz, Nathan* and Lisa Aultman-Hall (2011). Analyzing the Effect of Driver Age on Operating Speed and Acceleration Noise Using On-board Second-by-Second Driving Data. *Transportation Research Record* 2265 pp. 184-191.
33. Novak, David, Christopher Hodgdon, Feng Guo* and Lisa Aultman-Hall. "Nationwide Freight Generation Models: A Spatial Regression Approach" *Networks and Spatial Economics*. Volume 11, Issue 1, pp23-41, 2011.
32. Jackson, Eric* and Lisa Aultman-Hall (2010). Analysis of Real-World Lead Vehicle Operation for Integration of Modal Emissions and Traffic Simulation. *Transportation Research Record* Vol 2128.

31. Sullivan, James L.,* David C. Novak, Lisa Aultman-Hall and Darren Scott. (2010). Identifying Critical Road Segments and Measuring System-Wide Robustness in Transportation Networks with Isolating Links: A Link-Based Capacity-Reduction Approach. *Transportation Research Part A*, Volume 44, Issue 5, pp 323-336.
30. Sullivan, James L.,* Lisa Aultman-Hall and David C. Novak (2009). A review of current practice in network disruption analysis and an assessment of the ability to account for isolating links in transportation networks. *Transportation Letters* (2009) 1: 271-280.
29. Aultman-Hall, Lisa; Lane, Damon; Lambert, Rebecca Rockefeller** “Assessing the Impact of Weather and Season on Pedestrian Traffic Volumes” *Trans Research Record* 2140, pp.35-43, 2009.
28. Parkany, Emily, Jianhe Du*, Lisa Aultman-Hall and Ryan Gallagher, “Modeling Stated and Revealed Route Choice, Diversion and Attitudinal Variables” *Trans Research Record* 1985, pp.29-39, 2006.
27. Jackson, Eric*, Yingge Qu**, Britt Holmén and Lisa Aultman-Hall, “Driver and Road Type Effects on Light-duty Gas and Particulate Emissions” , *Trans Research Record* 1987, pp 118-127, 2006.
26. Scott, Darren , David Novak, Lisa Aultman-Hall and Feng Guo*. ”Network Robustness Index: A New Method for Identifying Critical Infrastructure and Evaluating the Performance of Transportation Networks” *Journal of Transport Geography* Volume 14, Issue 3, pp.215-227, 2005.
25. Du, Jianhe*, Lisa Aultman-Hall. “Increasing the Accuracy of Trip Rate Information from Passive Multi-Day GPS Travel Datasets: Automatic Trip Identification Issues.” *Transportation Research A*, Volume 41, Issue 3, March 2007, pp 220-232.
24. Jackson, Eric *, Lisa Aultman-Hall, Britt Holmén and Jianhe Du*, “Evaluating the Ability of Global Positioning System Receivers to Measure Real World Operating Mode for Emissions Research” *Transportation Research Record* #1941, pp.43-50, 2005.
23. Padlo, P. *, L. Aultman-Hall and N. Stamatiadis, “Passengers and Other Factors Affecting Young and Older Driver Safety” *Transportation Research Record*, #1937, pp. 7-13, 2005.
22. Aultman-Hall, Lisa and Jeffrey LaMondia**. “Evaluating the Safety of Shared-use Paths: Results from Three Corridors in Connecticut” *Transportation Research Record*, #1939, pp. 99-106, 2005.
21. Aultman-Hall, Lisa, Eric Jackson*, Charlie Dougan and Soon-Nai Choi**. “Models Relating Pavement Quality Measures” *Transportation Research Record* #1869, 2004.
20. Aultman-Hall, Lisa “A Bicycle Transportation Primer: Dispelling the Myths and Promoting the Realities” *ITE Journal* on the Web, December 2004.
19. Yaw Cheuk Hing, Jason **, Nikiforos Stamatiadis and Lisa Aultman-Hall, “Evaluating the Impact of Passengers on the Safety of Older Drivers” *Journal of Safety Research* Volume 34, Number 4, 2003.
18. Bowling, Sarah T. *, and Lisa Aultman-Hall, “The Development of a Random Sampling Procedure for Local Road Traffic Count Locations” *Journal of Transportation Statistics*, Vol 6, #1, 2003.
17. Dougan, Charles, Lisa Aultman-Hall, Soon-Nam Choi, Bradley Overturf and Christine Hobson**, “Lateral Variation in Pavement Smoothness: Implications for Performance Based Contracting” *Transportation Research Record* 1860, 2003.
16. Schulte, Sarah Lynn *, Lisa Aultman-Hall, Matt McCourt** and Nikiforos Stamatiadis. “Consideration of Driver Home County Prohibition and Alcohol-related Vehicle Crashes” *Accident Analysis and Prevention*, Volume 35, No. 5, pages 641-648, 2003.
15. Robertson, Stewart*, and Lisa Aultman-Hall. “Impact of Road Conditions on Elderly Drivers” *ASCE Journal of Transportation Engineering* May/June 2001, Volume 127, Number 3, pages 244-246.

14. Aultman-Hall, Lisa, Bradford Johnson** and Brian Aldridge* “Statewide Commodity Flow Data and Assessing the Potential for Modal Substitution” *Trans Research Record* #1719, pages 10-16, 2000.
13. Aultman-Hall, Lisa, Sarah Bowling* and Jill Asher* “ARTIMIS Telephone Traveler Information Service: Current Use Patterns and User Satisfaction” *Transportation Research Record* #1739, pages 9-14, 2000.
12. Doherty, Sean T., Lisa Aultman-Hall and Jill Swaynos**. “Commuter Cyclist Accident Patterns in Toronto and Ottawa, Canada” *Journal of Transportation Engineering* Volume 126, No. 1, pages 21-26, January/February 2000.
11. Aultman-Hall, Lisa and K. Georgina Kaltenecker**. “Toronto Bicycle Commuter Safety Rates,” *Accident Analysis and Prevention*, Volume 31, pages 675-686, 1999.
10. Aultman-Hall, Lisa, Michael L. Hill* and Ken Agent. “A Methodology for Evaluating Large Truck Access to Intermodal and Other Facilities” *Trans Research Record* 1653, pages 61-68, 1999.
9. Aldridge, Brian*, Meredith Himmler**, Lisa Aultman-Hall, and Nikiforos Stamatiadis. “The Impact of Passengers on Young Driver Safety” *Transportation Research Record* 1693, pages 25-30, 1999.
8. Stamatiadis, Nikiforos, Samantha Jones** and Lisa Aultman-Hall. “Causal Factors for Accidents on Southeast Low-volume Roads” *Transportation Research Record* 1652, pages 111-117, 1999.
7. Aultman-Hall, Lisa and Fred L. Hall¹. “Research Design Insights from a Survey of Urban Bicycle Commuters” *Transportation Research Record* 1636, pages 21-28, 1998.
6. Aultman-Hall, Lisa and Michael F. Adams*. “Sidewalk Bicycling Safety Issues” *Transportation Research Record* 1636, pages 71-76, 1998.
5. Aultman-Hall, Lisa and Fred L. Hall¹. “Ottawa-Carleton On- and Off-road Cyclist Accident Rates” *Accident Analysis and Prevention*, Volume 30, No. 1, pages 29-44, 1998.
4. Aultman-Hall, Lisa, Matthew Roorda and Brian W. Baetz¹. “Using GIS for Evaluation of Neighborhood Pedestrian Accessibility” *J of Urban Plg & Development*, Vol 123-1, pp 10-17, 1997.
3. Aultman-Hall, Lisa, Fred L. Hall¹ and Brian W. Baetz¹, “Analysis of Bicycle Commuter Routes Using GIS - Implications for Bicycle Planning” *Trans Research Record* 1578, pages 102-110, 1997.
2. Hall, Fred L.¹ and Lisa M. Hall, “Capacity and Speed-Flow Analysis of the QEW in Ontario” *Transportation Research Record* 1287, pages 108-118, 1990.
1. Persaud, Bhagwant, Fred L. Hall¹ and Lisa M. Hall, “Congestion Identification Aspects of the McMaster Incident Detection Algorithm” *Trans Research Record* 1287, pages 167-175, 1990.

Book Chapters and Peer Reviewed White Papers

- W2. Jonathan Dowds and Lisa Aultman-Hall. “Challenges and Opportunities for Integrating Climate Adaptation Efforts across State, Regional and Local Transportation Agencies”, *National Center for Sustainable Transportation*, University of California Davis, 2015.
- W1. Lisa Aultman-Hall. “Bicycle Transportation” Chapter in *Transportation Engineers’ Handbook*, Myer Kutz Editor, McGraw-Hill, 2003.

¹ I am not related to Dr. Fred Hall.

Conference Proceedings (Full Papers Reviewed)

Papers presented at conferences that are also in published journal articles are not repeated here.

- A24. Aultman-Hall, Lisa and Jonathan Dowds. (2018). Who are we Missing when we Take Travel Survey Online – Assessments from Vermont. 97th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A23. Ullman*, Hannah, and Lisa Aultman-Hall (2018). Exploring Vermonter's Self-reported Unmet Long-distance Travel Need. 97th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A22. Harvey, Chester and Lisa Aultman-Hall. (2017). Assessing The Representativeness Of A Convenience Sample For Surveying Long-Distance Travel. 96th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A21. Aultman-Hall, Lisa and Jonathan Dowds. (2016) Role and Position of Local Agencies in Climate Adaptation Planning. 95th Trans Research Board Annual Meeting, January, Washington, D.C.
- A20. Ursaki**, Julia and Lisa Aultman-Hall. (2016). Quantifying the Equity of Bikeshare Access in U.S. Cities. 95th Annual Trans. Research Board Meeting Conference, January, Washington, D.C.
- A19. Belz*, Nathan P., Lisa Aultman-Hall, Austin Troy. (2014) Factors Affecting Implementation of Roundabouts in Northern New England. World Symposium on Transport and Land Use Research, June 24-27, 2014, Delft, the Netherlands.
- A18. Sullivan, J., D. Novak and L. Aultman-Hall. (2013) Transportation Network Resolution: Exploring How Much Of The Road Network Is Needed For Analysis. 92th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A17. Sullivan, James, Aultman-Hall, Lisa, and Nathan Belz*. (2011). Spatial Evaluation of a Statewide Rural Transit Network Spanning Multiple Service Areas. 90th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A16. Zhang, Chen, Lance Jennings**, Lisa Aultman-Hall and Darryl Benoit. (2010). Toward More Robust Spatial Sampling Strategies for Nonmotorized Traffic. 89th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A15. Belz, Nathan*, Lisa Aultman-Hall and Gopal Patil. (2010). Spatial Models for the Statewide Evaluation of Transit-Supportive Zones. 89th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A14. Aultman-Hall, Lisa, Karen Glitman and Jennifer Kenyan**. (2010). Rethinking Transportation Systems for Rural Areas: Role of the Federal Government, Funding Formulas, and Strategic Disinvestment, 89th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A13. Zhang, Chen, Cassandra Gekas* and Lisa Aultman-Hall (2010). Destination Choice Study by Activity for Rural Vermont Households, 89th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A12. Gekas, Cassandra, Lisa Aultman-Hall and Chen Zhang. (2009) Travel Time and Quality of Life: A Framework for Assessing Gender and Socioeconomic Equity in Transportation Systems, presented at the 4th International Conference on Women's Issues in Transportation, San Diego, October.
- A11. Roche, Erin, Jane Kolodinsky and Lisa Aultman-Hall (2009) Estimation of the Inelasticity of Incentive Demand for Non-motorized Commuting, 88th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.

- A10. Sullivan, James, Lisa Aultman-Hall, David Novak and Darren Scott. (2009). Investigation of Link Capacity-Disruption in the Calculation of a Transportation Network Robustness Index, 88th Annual Transportation Research Board Meeting Conference, January, Washington, D.C.
- A9. Aultman-Hall, Lisa, Chapin Spencer, Amy Bell and Carl Bard. "Context Sensitive Solutions, Bicycles and Pedestrians: Some Lessons Learned in New England" *Transportation Research Board Annual Meeting*, Washington, D.C., January, 2008.
- A8. Shin, Hyeon-Shic and Lisa Aultman-Hall. "Development of Nation-wide Freight Analysis Zones." *Transportation Research Board Annual Meeting*, Washington, D.C., January, 2006
- A7. Scott, Darren, David Novak, Lisa Aultman-Hall and Feng Guo*. "Network Robustness Index: A New Method for Identifying Critical Infrastructure and Evaluating the Performance of Transportation Networks" *Transportation Research Board Annual Meeting*, Washington, D.C., January 23, 2006 (Paper #06-2231 – similar to 26 above).
- A6. Du, Jianhe*, and Lisa Aultman-Hall, "Using Spatial Analysis to Estimate Link Travel Times on Local Roads", *Transportation Research Board Annual Meeting*, Washington, D.C., January 24, 2006
- A5. Guo, Feng* and Lisa Aultman-Hall, "Alternative Nationwide Freight Generation Models" *Transportation Research Board Annual Meeting* January 2005.
- A4. Guo, Feng*, Lisa Aultman-Hall and Patrycja Padlo*, "Comparing and Integrating Data Sources to Update the Truck Generation Model in a State-wide Planning Model" *Transportation Research Board Annual Meeting* January 2005.
- A3. Aultman-Hall, Lisa "Assessing the Demand for Bicycle Commuter Travel on Shared-Use Paths", *Transportation Research Board Annual Meeting*, Washington, DC January 2002.
- A2. Bowling, Sarah T.* and Lisa Aultman-Hall, "The Development of a Random Sampling Procedure for Local Road Traffic Count Locations" *Transportation Research Board Annual Meeting* January 2002.
- A1. Van Aerde, M., L. Aultman-Hall, P. Masters and A. Ugge, "Microscopic Theory and Modelling of Macroscopic Freeway Capacity Characteristics", presented at the *1993 Transportation Research Board Annual Meeting in Washington, D.C.*

Conference Proceedings (Full Papers with Abstract Reviewed)

Papers presented at conferences but listed above as journal papers are not repeated here.

- B14. Aultman-Hall, Lisa, Jeffrey J. LaMonica, Hannah Ullman*, and Madeline Suender*. (2017) Surveying Social Network Geography to Model Long-distance Travel. International Conference on Travel Survey Methods, L'Estrel Quebec.
- B13. Gekas, Cassandra*, Lisa Aultman-Hall and Jane Kolodinsky, (2009). Assessing Gender and Socioeconomic Equity in Transportation Systems. American Time Use Research Conference and Workshop. June 25-26, 2009, University of Maryland.
- B12. Aultman-Hall, Lisa and Britt Holmén (2006) "Promoting Women Leaders for Engineering Academia" ASEE Annual Conference & Exposition, Chicago, IL, June 18-21.
- B11. Guo, Feng and Lisa Aultman-Hall. "Towards Continental Freight Transportation Planning Models" European Transport Conference, October 8-10, 2003, Strasbourg France.
- B10. Du, Jianhe*, John Ivan, Per Garder and Lisa Aultman-Hall. "Public Perceptions of Traffic Calming Devices" 2003 *Institute of Transportation Engineers Annual Meeting and Exhibit*, August 2003.
- B9. Aultman-Hall, Lisa "ARTIMIS Telephone Travel Information Service: Overall Public Awareness" 2001 *ITS America Meeting* Conference Proceedings.

- B8. Aultman-Hall, Lisa “A Summary of the Safety Related Results of a Canadian Bicycle Commuter Survey” *Traffic Safety on Two Continents*, Malmo, Sweden, September 1999.
- B7. Schulte, Sarah* and Lisa Aultman-Hall. “Using Geographic Information Systems to Evaluate the Influence of County Level Alcohol Prohibition on the Distance from Home in Alcohol-related Vehicle Crashes” *Traffic Safety on Two Continents*, Malmo, Sweden, September 1999.
- B6. Aultman-Hall, Lisa “Using Route Data for Quantitative Assessment of Bicycle Use, Safety and Exposure” *Pro Bike Pro Walk* 98, September 8-11, 1998, Santa Barbara, CA.
- B5. Aultman-Hall, Lisa and Michael L. Hill*, “Characterizing the Personal Attributes and Travel Behavior of Adult Commuter Cyclists” *ITE International Annual Mtg*, Toronto, ON, August 1998.
- B4. Aultman-Hall, Lisa “Safety Issues Concerning Sidewalk Cycling” *Canadian Multidisciplinary Road Safety Conference X*, June 9,10,11, 1997, Toronto, Canada.
- B3. Hellinga, B., M. Baker, L. Aultman-Hall and M. Van Aerde, “Simulation Modelling of the Highway 401 FTMS” *CITE Annual Conference Proceedings*, Edmonton, Alberta, June, 1993.
- B2. Hall, Fred L.^, Shi Yong, Lisa Aultman-Hall and P.H. Masters, “Before-after Evaluation of the Effectiveness of the 401 Freeway Management System in Toronto” *Proceedings of the Third International Conference on Applications of Advanced Technology in Transportation Engineering*, Seattle, Washington, July, 1993.
- B1. Aultman-Hall, Lisa, Fred L. Hall^, Yong Shi and Bradley Lyall, “A Catastrophe Theory Approach to Freeway Incident Detection” *Proceedings of the Second International Conference on Applications of Advanced Technologies in Transportation Engineering*, 1991.

Invited Conference Presentations

19. Invited Presentations: “Lessons Learned from Establishing a New Transportation Research Center” US DOT Annual Meeting of the University Transportation Center Programs, January 11, 2015.
18. “NHTS Travel Data in Rural States and Small MPOs” Transportation Research Board Annual Meeting, January 2014, Washington, D.C.
17. “Using the NHTS to consider EV Market Penetration” Transportation Research Board Annual Meeting, January 13, 2013, Washington, D.C.
16. “The Complex Interactions between EVs and Travel Demand” Transportation Research Board Annual Meeting, January 13, 2013, Washington, D.C.
15. “Research Perspectives on Transportation Systems for Livable Communities” Transportation Research Board Annual Meeting, January 25, 2011, Washington, D.C.
14. “The Role of UTCs in Advancing Livability and Transportation” October 2010 TRB and UTC Spotlight Conference – Research for Transportation and Livable Communities Washington, DC.
13. "Signature Projects to Create Transdisciplinary Transportation Research" Council of University Transportation Centers Annual Meeting, San Jose, CA, June 25, 2008.
12. Commodity Flow Survey (CFS) Conference, “Improving Use and Accessibility of 2002 Commodity Flow Survey Session”, July 8-9, 2005.
11. Northeast Asphalt User Producer Group, “Models Relating Pavement Quality Measures”, October 21, 2004

10. Sustainable Transport in Europe and Links and Liaisons with America, January 15-16, 2004, Washington, DC. "Continental Freight Planning Models: An EU/US Comparative Perspective" by Lóri Tavasszy (The Netherlands), Lisa Aultman-Hall (United States), Arnaud Burgess (The Netherlands), José Holguin Veras (United States).
9. American Association of State and Highway Officials Non-motorized Task Force Meeting, "Refining the Role of Non-motorized Transportation for Context Sensitive Design", Burlington VT, Sept 2003.
8. Association of Pedestrian and Bicycle Professionals, Professional Development Series, "Existing University Programs – Making the Most of What We've Got" Cambridge MA June 24, 2003.
7. Association of Pedestrian and Bicycle Professionals, Professional Development Series, "Refining the Role of Non-motorized Transportation for Context Sensitive Design" Cambridge MA June 23, 2003.
6. Connecticut Conference on Bicycling and Walking, "Trail Safety – What are the Facts?" May 2003.
5. Connecticut Conference on Bicycling and Walking, "Incorporating Bicycles and Pedestrians into Transportation Projects – The Kentucky Experience" May 16, 2003.
4. Uncovering Freight Trends Seminar, Reebie Associates, Cambridge MA, "State Level Freight Transportation Planning Needs" October 16-17, 2001
3. National Highway Traffic Safety Administration (NHTSA) Young Drivers Safety Conference, Atlanta, GA, "The Impact of Passengers on Young Driver Safety" Dec 6-8, 2000.
2. West Virginia 21 Intermodal Transportation and Economic Development Summit, "Intermodal Research Initiatives in the Appalachian Region", June 12-13, 2000.
1. Kentucky State Model User's Group - freight transportation data workshop speaker, October 2000.

Conference Presentations (Abstract only)

Conference Presentations made by me (abstract reviewed and not including those cited as papers above):

17. B15. Ullman, Hannah and Lisa Aultman-Hall*. (2018) Assessing Long-Distance Travel Need and Its Impact on Well-Being. Transportation Research Board Annual Meeting, January 8, Washington D.C. Poster Session on Community Impact Assessment.
16. Aultman-Hall, Lisa, Brian H.Y. Lee and Matthew Coogan. Daily and Trip-based Vehicle Choice in Rural and Micropolitan areas. Transportation Planning for Small and Medium-based Communities Tools of the Trade Conference, July 21-23, 2014, Burlington, VT.
15. Aultman-Hall, Jonathan Dowds, and Karen Sentoff. Assessing the Duration and Location of Discretionary Passenger Vehicle Idling in Addison County Vermont. Trans Planning for Small and Medium-based Communities Tools of the Trade Conference, July 21-23, 2014, Burlington, VT.
14. Aultman-Hall and Dill, Jennifer. National Household Travel Survey: What's Next?. ProWalk ProBike, Long Beach CA, September 11, 2012.
13. Aultman-Hall, Sullivan, Novak and Scott (2010). Assessing Critical Transportation Network Links and Robustness. American Association of Geographers (AAG), April.
12. Plug-in Hybrid Vehicles and the Vermont Electric Grid" Rethinking Transportation for a Sustainable Future, October 28, 2008, Louisville, KY.
11. "Context Sensitive Design Around the Country: Route 3 over the Salmon River, New York" Transportation Research Board Annual Meeting, Washington, D.C. January 2003. (Subsequently published in *Transportation Research Circular E-C067*, July 2004)

10. "Refining the Role of Non-motorized Transportation for Context Sensitive Design" American Society of Civil Engineers Annual Conference and Exposition, Washington, D.C., November 3-7, 2002.
9. "Where and When do Commuter Cyclists Use Paths Versus Roads" Pro-Bike Pro-Walk 2000, Philadelphia, Sept 2000.
8. "The Influence of County-level Prohibition on Alcohol-related Crashes" Institute for Transportation Engineers Southern District Meeting, Montgomery AL, April 1999
7. "Examples of GIS Applications in Transportation Engineering" Kentucky GIS Conference, May 17-20, 1998, Somerset, KY.
6. "The Time Has Come to Base Traffic Assignment on Actual Route Data" Institute for Transportation Engineers Southern District Meeting, Memphis, TN, April 1998.
5. "Embarking on Bicycle Demand Analysis" Institute for Transportation Engineers Southern District Meeting, Memphis, TN, April 1998.
4. "Demonstration of GIS Applications in Transportation" Kentucky TransForum '97, September 20, 1997.
3. "Ottawa-Carleton On- and Off-road Commuter Cyclist Accident Rates," ITE District 5 Meeting, Louisville, KY, April 1997.
2. "Using Geographic Information Systems (GIS) for Bicycle Transportation Engineering" *Canadian Public Works Conference*, Hamilton, Canada, June 1996.
1. "Designing Cities to Encourage Non-Motorized Transportation" *McMaster University International Symposium on Sustainable Development*, June 7, 1995.

Conference Presentations made by Students under my Supervision and Other Co-authors

Other graduate students have made conference presentations that were either full papers or subsequently published in journals and are therefore listed elsewhere.

22. Harvey, Chester, (April 2015). "Measuring Streetscape Design for Livability Using GIS" American Association of Geographers, Chicago, IL.
21. Harvey, Chester, (January 2015). "Using Spatial Data and Methods to Assess Street Livability Transportation" Transportation Research Board Annual Meeting, Washington, D.C.
20. Harvey, Chester, (July 2014). "Using Spatial Data and Methods to Assess Street Livability Transportation" Planning for Small and Medium-based Communities Tools of the Trade Conference, July 21-23, 2014, Burlington, VT.
19. Belz, N.P*. Aultman-Hall, L. (May 2011). Roundabout Opposition and the Built Environment, 3rd International Conference on Roundabouts, Session 5 – Getting Your Roundabout Approved, Paper #IRC3-0034, Carmel, IN.
18. "The Challenges of Measuring Transportation Efficiency", Sullivan, Aultman-Hall & Watts, 51st Annual Transportation Research Forum, March 2010. Washington, D.C.
17. "Promoting Better Health Through Active Commuting: Can We Pay People To Exercise?", 2009 AAEA & ACCI Joint Annual Meeting in Milwaukee, Wisconsin, July 26 - July 28.
16. Scott, D.M., Novak, D., Aultman-Hall, L. and Guo, F. (2005) Identifying critical links in transportation networks: A new approach to an old problem. Paper presented at the 40th Annual Conference of the Canadian Transportation Research Forum, Hamilton, Ontario, May 8-11.

15. “Variability in On-Board Measurements of Light-Duty Vehicle Particle Number Emissions: Driver and Road Type” poster presented by Yingge Qu, American Association of Aerosol Researchers, Austin Texas, October 2005.
14. “Existing Challenges for use of Passive GPS Devices for Routine Travel Data Collection” presented by Jianhe Du, 2005 Mid-Continent Transportation Research Symposium, Iowa State University, August, 2005.
13. “Investigating Route Choice and Driving Behavior Using GPS-Collected Data”, presented by Ms Jianhe Du, TRB 2005 Doctoral Student Dissertation Seminar (winner of best presentation award) Transportation Research Board Annual Meeting, Washington, D.C. January 2005.
12. “Continental Freight Planning Models: an EU/US Comparative Perspective” Lorant Tavasszy (presenter), Lisa Aultman-Hall, Arnaud Burgess, and Jose Holguin Veras, Rensselaer Polytechnic Institute Transportation Research Board Annual Meeting, Washington, D.C. January 2005.
11. “What is the Model??? A Primer on Transportation Demand Forecasting Models” presented by Shawn Turner, Theo Petritsch, and Keith Lovan at the Pro Walk Pro Bike Conference, Victoria, B.C., September 2004.
10. “Effect of Passengers on Older Driver Crashes” presented by Nikiforos Stamatiadis at the *World Conference on Transport Research*, July 2004 Istanbul, Turkey.
9. “An Investigation of the Distribution of Driving Speeds Using In-vehicle GPS Data” presented by Jianhe Du at the Institute for Transportation Engineers New England District Meeting, Burlington, Vermont, May 2004.
8. “The Impact of Passengers on Young Driver Safety in Connecticut” presented by Pat Padlo at the Institute for Transportation Engineers New England District Meeting, Burlington, VT, May 2004.
7. “User Safety on Shared-Use Paths” presented by Jeff LaMondia at the Institute for Transportation Engineers New England District Meeting, Burlington, Vermont, May 2004
6. “Commuter Cyclist Accident Patterns in Toronto and Ottawa, Canada” presented by Jill Swaynos at the Institute for Transportation Engineers Texas District Meeting, College Station TX, June 2000 (an invited repeat of the presentation listed below).
5. “Adapting GIS Highway Databases for Random Sampling” presented by Sarah T. Bowling at the Kentucky GIS Conference, Bowling Green, June 7, 2000.
4. “The Influence of County-level Prohibition on Alcohol-related Crashes” presented by Sarah Schulte at the Kentucky GIS Conference, Northern Kentucky, May 1999.
3. “ARTIMIS Telephone Traveler Information Service: Current Use Patterns and User Satisfaction” presented by Jill Clemons Asher at the Institute for Transportation Engineers Southern District Meeting, Montgomery AL, April 1999.
2. “Commuter Cyclist Accident Patterns in Toronto and Ottawa, Canada” presented by Jill Swaynos at the Institute for Transportation Engineers Southern District Meeting, Montgomery AL, April 1999.
1. “The Impact of Passengers on Young Driver Safety” presented by Brian Aldridge at the Institute for Transportation Engineers Southern District Meeting, Montgomery AL, April 1999.

Recent Academic Seminars (Invited)

26. Modeling Long-distance Travel in an “Age of Global Mobility” University of California Irvine ITS Seminar, April 21, 2017

25. Modeling Long-distance Travel in an “Age of Global Mobility”, Podwal Lecture, City College of New York, March 7, 2017.
24. Integrating Climate Adaptation Efforts Across State, Regional, and Local Transportation Agencies, with Jonathan Dowds, National Center for Sustainable Transportation, University of California Davis, April 9, 2015. https://www.youtube.com/watch?v=J5AArgA_7JY
23. Moving Towards Better Measurement and Modeling of Long Distance Travel. University of California Davis, April 10, 2015. <http://mediasite.ucdavis.edu/Mediasite/Play/d8909c739f3b477993c18f4d71caf6691d>
22. Vermont Legislative Policy Research Summit on Climate Change. November 18, 2014. “Barriers to Implementation of Climate Adaptation Frameworks by State DOTs”
21. Doing Business with Friends-Canada and Vermont, hosted by the Consulate General of Canada, “Travel Demand Models: What are they and who uses them?”, November 17, 2014.
20. Long Distance and Intercity Travel: Who what where when? Georgia Institute of Technology, November 6, 2014. <https://www.youtube.com/watch?v=d5GVb1nN7Z8>
19. Transportation and Livability – What’s that really mean for Rural Transportation Systems, *Straight from the Source*, US DOT Volpe National Transportation Lab – seminar and webinar, February 28, 2014. <https://www.youtube.com/watch?v=YAB479ccVM4&feature=youtu.be>
18. Lessons Learned from the Transportation Buzzword “Livability”, Portland State Univ, May 3, 2013.
17. “Livability & Transportation What’s next and why Rural America matters” University of California, Berkeley, February 15, 2013
16. “Flash in the Pan: Transportation and the 2010 Buzz Word “Livability” UC Davis Institute of Transportation Studies Seminar Series, Oct 19, 2012
15. “Transportation System Challenges for Sustainable Resource Management” University of Vermont, Rubenstein School of the Environment and Natural Resources, October 11, 2012.
14. “Transportation Planning & Vehicle Emissions: Where are We? Where are We Going?” Dartmouth College, Jones Seminar Series, Thayer School of Engineering, May 22, 2009.

Recent Research Reports

*An * indicates a graduate student working under my supervision while ** indicates other students employed as research assistants. Some reports have overlap with papers above.*

86. Aultman-Hall, Lisa and Jonathan Dowds. (2017). Designing the All-in-One Vermont Transportation Survey. UVM TRC Report #17-003 (83 pages).
85. Nam, Richard, Jon Dowds, Brian H. Y. Lee, Lisa Aultman-Hall and Alyssa Johnson. (2015). Modeling Travel Choices to Assess Potential Greenhouse Gas Emissions Reductions. UVM TRC Report #13-001. (65 pages).
84. Harvey, Chester, Lisa Aultman-Hall, Jeffrey LaMondia, James Sullivan, Elizabeth Greene and Chloe Ritter. (2015). Conducting a Longitudinal Survey of Overnight Travel: Methods and Preliminary Findings. UVM TRC Report #15-003. (25 pages).
83. Sullivan, James, Jonathan Dowd and Lisa Aultman-Hall. (2014) Regional Models of Bicycle and Pedestrian Travel in Chittenden County, Vermont. UVM TRC Report #13-014. (12 pages).
82. Aultman-Hall, Lisa and Glenn McRae. (2014). Assessing the Travel Data Needs for Vermont Transportation Performance Metrics. UVM TRC Report #14-017. (12 pages).

81. Dowds, Jon. Aultman-Hall, Lisa. Sentoff, Karen. Sullivan, James. (2014). Passenger Vehicle Idling in Vermont: Year 2 Final Report. UVM TRC Report # 13-008 (37 pages).
80. Jackson, Eric, Lisa Aultman-Hall and Britt Holmén. (2014). Vehicle, Driver and Atmospheric Factors in Light-Duty Vehicle Particle Number Emissions. UVM TRC Report # 14-006 (34 pages).
79. Sullivan, James. Dowds, Jon. Aultman-Hall, Lisa (2012). Passenger Vehicle Idling in Vermont: Year 1 Report. UVM TRC Report # 12-009 (41 pages).
78. Sullivan, James; Novak, David; Aultman-Hall, Lisa. (2012). Identifying Network Representation Issues with the Network Trip. UVM TRC Report # 12-004 (11 pages).
77. Flynn, Brian. Greg Dana, Justine Sears and Lisa Aultman-Hall. (2012). Weather Factors Impact on Commuting to Bike by Bicycle. UVM TRC Report # 12-006 (16 pages).
76. Aultman-Hall, Lisa, Justine Sears, Jonathan Dowds and Paul Hines. (2012). Spatial Analysis of Travel Demand in Vermont: Where will EVs work? UVM TRC Report # 12-007 (35 pages).
75. Sullivan, James. Aultman-Hall, Lisa. Belz, Nathan. and Watts, Richard. (2011). Efficient Transportation for Vermont Optimal Statewide Transit Networks. UVM TRC Report # 11-002 (40 pgs).
74. Sears, Justine; Glitman, Karen; Aultman-Hall, Lisa. (2011). Quantifying Vermont Transportation Safety Factors: Young Drivers and Departure from Lane. UVM TRC Report # 10-011 (18 pages).
73. Sullivan, James. Lisa Aultman-Hall and David Novak. (2010). Application of the Network Robustness Index to Identifying Critical Road-Network Links in Chittenden County, Vermont. UVM TRC Report # 10-009 (19 pages).
72. Sullivan, J; Aultman-Hall, L; Troy, A; Azaria, D; Lawe, S; (2010). Phase 2 Report: Integrated Land-Use, Transportation and Environmental Modeling UVM TRC Report # 10-008 (39 pages).

Recent Professional Activities – External

- Board of Advisors of the Institute of Transportation Studies at UC Davis (2017-2020)
- Transportation Research Board and U.S. DOT UTC Spotlight Conference - Pedestrian and Bicycle Safety. December 1-2, 2016 – organizing committee
- Biennial Asilomar Conference: Transportation and Energy Policy in a Volatile World August 18 – 21, 2015 Steering Committee
- TRB – Committee on Travel Behavior and Values ADB10 (2017 –)
- TRB, Founding chair, Sub-committee on Intercity & Long Distance Travel (2015 – present)
- TRB – Committee on National Transportation Data Requirements and Programs ABJ10 (2015 –)
- TRB – Task Force on the Future of the National Household Travel Survey (2011-present)
- International Cycling Safety Conference (2017) Scientific Committee
- Transportation Research Board - Committee on Travel Survey Methods (2005-2014)
- TRB and U.S. DOT – Conference Chair October 2010 National Research Council Conference – Research for Transportation and Livable Communities (140 participants, USDOT funded)
- City of Burlington Bike Path Task Force (2011-2012)
- Local Motion, Vermont, Board of Directors (2009-2015)

University of Vermont Service

- Engineering & Mathematical Sciences Dean Search Committee (1 of 4 elected faculty) (2017-2018)
- Dept of Civil and Environmental Engineering – Search Committee – Department Chair (2017)

- President and President-elect UVM Faculty Senate (2014-2016)
- Ad Hoc Graduate Aid and Tuition on Grants Committee (2014-2015)
- UVM Administrative Unit Review Committee (2014-present)
- Provost Steering Committee for Incentive Based Budgeting (IBB) (2013-2015)
- Chair, Sub-committee on Undergraduate Tuition Revenue and Financial Aid for IBB (2013-2014)
- CEMS Faculty Council (2013-2015)
- College Tenure and Promotion Review Committee (2009-10 and 2011-2013)
- UVM Diversity Curriculum Review Committee (2007-2010)
- UVM Graduate Faculty Executive Committee (2008-2010)
- UVM Faculty Senate Committee on Research & Graduate Education (2009-2012)
- UVM Vice-President for Research and Graduate Dean search committee (2009)
- RSENR Dean Search Committee – AY2009-2010

Summary of Teaching

University of Vermont (5-point scale)

Course (Descriptions Below)	Level	Semesters Taught	%	Average Rating	
				Aultman-Hall	Dept
CE133 Intro to Trans Eng'g	Junior	F2017	100%	4.2	4.0
CE295B Trans Safety and Design	Senior/Grad	S 2016	100%	4.7	3.8
CE003 Introduction to Civil and Environmental Engineering	First year	F 2014	100%	3.5	3.8
		F 2013	100%	3.4	3.7
		F 2011	100%	2.7	3.7
TRC314 Travel, Safety and Human Factors	Graduate	S 2014	100%	3.6	3.9
		S 2012	100%	Interviews – no evals	
CE295 Critical Issues in Transportation	Grad/senior	F 2006	80%	-	-
		F 2007	60%	-	-
CE395/TRC312 Critical Issues in Transportation	Graduate	F 2008	30%	4.8	3.9
		F 2009	30%	-	-
		F 2010	100%	5.0	4.0

University of Connecticut Teaching Evaluations (10-point scale)

Course (Descriptions Below)	Level	Semesters Taught	Average Rating	
			Aultman-Hall	Dept
CE320 Transportation Safety	Graduate	S 2005	9.4	8.9
CE370 Transportation Planning	Graduate	S 2003	9.0	8.8
		S 2006	9.2	8.6
CE271 Geomatics and Spatial Measurement	Sophomore	F 2004	8.7	8.1
		F 2003	8.8	7.9
		F 2002	8.7	8.4
		F 2001	8.2	8.1
CE251 Probability and Statistics	Senior	F 2001	8.7	8.1

University of Kentucky Teaching Evaluations (4-point scale)

Course (Descriptions Below)	Level	Semesters Taught	Average Rating	
			Aultman-Hall	Dept
CE525 Civil Engineering Applications of Geographic Information Systems (GIS)	Graduate and senior	S 2001	3.5	3.2
		S 2000	3.6	3.2
		S 1999	3.4	3.0
CE635 Transportation Safety	Graduate	F 1999	3.3	3.1
		S 1999	3.5	3.0
		S 1998	3.1	3.1
CE331 Intro to Transportation Engineering	Junior	F 2000	2.9	3.1
		F 1998	2.4	3.1
		S 1998	3.2	3.1
		S 1997	3.0	3.2
		F 1996	2.7	3.1
CE599/631 Trans and Land Use Planning	Grad/Senior	S 2001	2.5	3.2
		S 2000	3.2	3.2
		F 1998	3.4	3.1
		S 1997	3.6	3.2
CE699 Transportation Systems Management	Graduate	F 1998	3.6	3.1
		F 1997	3.6	3.1
CE539 Transportation Systems Design	Grad/ senior	F 1997	2.9	3.1