

Department of Human Geography
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ACADEMIC APPOINTMENTS

Assistant Professor, Department of Human Geography, University of Toronto Scarborough 2014–Present
Assistant Professor, Department of Geography and Planning, University of Toronto 2014–Present
Research Assistant Professor, Department of Geography, University of Utah 2014–Present
Assistant Professor, Department of Geography, University of Utah 2011–2014
Assistant Professor (Limited Term), Department of Geography, Ryerson University 2010–2011

EDUCATION

Doctor of Philosophy (Geography), McMaster University, Hamilton, Ontario 2010
Dissertation: The Social Costs of Automobility

Master of Spatial Analysis, Ryerson University, Toronto, Ontario 2004
Research Paper: A Comparison of Localized Regression Models in an Hedonic House Price Context

Bachelor of Arts (Computer Science and Geography), McGill University, Montreal, Quebec 2003

HONORS AND AWARDS

Awards

Dean's Special Merit Award, University of Toronto Scarborough 2015
Junior Faculty Research Award, College of Social and Behavioral Science, University of Utah 2013
Innovative Teaching Award, College of Social and Behavioral Science, University of Utah 2012
Dissertation Award Runner Up, Transportation Geography Specialty Group, AAG 2011
Meredith F. Burrill Award, Association of American Geographers 2010
Jim Davey Award, First Place Student Paper, Canadian Transportation Research Forum 2007
First Place, Graduate Student Article Competition, Ryerson University 2003
McConnel Award, McGill University 2002
Dean's Honour List, McGill University 2002

Fellowships

Visiting Researcher, Ghent University, Belgium 2014
Visiting Researcher, University of Concepcion, Chile 2012
Visiting Researcher, University of Murcia, Spain 2012
Visiting Researcher, Polytechnic University of Cartagena, Spain 2011
Visiting Researcher, TRANSyT, Universidad Politecnica de Madrid, Spain 2009
Canada Graduate Scholarship, Doctoral, Social Science and Humanities Research Council 2007–2009
Ontario Graduate Scholarship (declined) 2007
Graduate Scholarship, McMaster University (declined) 2007–2009
Graduate Scholarship, McMaster University 2006

Canada Graduate Scholarship, Masters, Social Science and Humanities Research Council	2003–2004
Graduate Research Stipend, Ryerson University	2003
Graduate Research Assistant, Center for the Study of Commercial Activity, Ryerson University	2003

EXTRAMURAL RESEARCH FUNDING

Awarded

- 2015-2016 **Steven Farber (PI)** and Evan Castel. *Benchmarking the Health and Public Transit Connection in the GTHA: An Analysis of Survey Microdata*. Metrolinx; \$47,600.
- 2014-2015 **Steven Farber (PI)**. *Price Elasticities in Distance Based Transit Fares*. National Institute for Transportation and Communities. \$40,000. -- Declined
- 2014-2015 **Steven Farber (PI)** and Kristin Tuft. *Connecting people to places- spatiotemporal analysis of transit supply using travel-time cubes*. National Institute of Transportation and Communities, Grant no. NITC-662; \$95,869.
- 2013–2015 **Steven Farber (PI)**, Harvey J. Miller and Morton O’Kelly (Co-PI). *Interaction Potential and the Social and Economic Vibrancy of Metropolitan Regions*. Geography and Spatial Sciences Program, National Science Foundation, Grant no. BCS-1339462; \$160,000.
- 2013-2013 **Steven Farber (PI)**. *NITC Undergraduate Research Initiative*. National Institute of Transportation and Communities; \$7,490.00.
- 2012–2013 Keith Bartholomew and **Steven Farber (PI)**. *Assessing Transit Fare Equity in Utah using a Geographic Information System*. National Institute of Transportation and Communities, Grant no. NITC-540; \$73,101.
- 2011–2014 Juan A. Carrasco (PI), **Steven Farber**, Karen Lucas, Alejandro M. Tudela and Carolina A. Rojas. *Understanding the link between transport and social exclusion in the Chilean context: An assessment through quantitative indicators (1110920)*. Chilean National Fund for Scientific and Technological Development.
- 2009–2010 **Steven Farber**, Catherine Morency and Antonio Páez (PI). *Understanding the Transportation Situation of Canadian Adults with Disabilities*. Human Resources and Skills Development Canada; \$35,982.
- 2008–2009 **Steven Farber**, Ruben Mercado, Catherine Morency, Antonio Páez (PI) and Matthew Roorda. *Spatial Mismatch in Canadian Communities*. Human Resources and Social Development Canada; \$56,805.

Not Awarded

- 2014 **Steven Farber (PI)**. *Transport Poverty and Transit Equity in Canada*. Social Sciences and Humanities Research Council. Insight Grant.
- 2014 **Steven Farber**, Mark W. Horner, Michael J. Widener (PI). *Spatiotemporal analysis of individuals’ access to food and related health impacts*. National Institutes of Health. R01.
- 2013 Jessie X. Fan (PI), **Steven Farber**, Kevin A. Henry, Lori Kowalski-Jones and Ming Wen. *Obesity and the Food Environment: Density, Proximity, Diversity, and Potential*. National Institutes of Health.

- 2012 **Steven Farber (Co-PI)**, Harvey J. Miller (Co-PI) and Martijn Van Excel. *Development of a Sustainable Transportation Observatory*. National Institute of Transportation and Communities.
- 2009 **Steven Farber** and Antonio Páez (PI). *Rural and Urban Differences: The Experiences of People with Disabilities*. Human Resources and Skills Development Canada.

INTRAMURAL RESEARCH FUNDING

Awarded

- 2015-2017 **Steven Farber (PI)**. *Leveraging Open Data and High Performance Computing to Usher in a New Era of Multi-Modal Accessibility Metrics*. Connaught New Researcher Award. University of Toronto; \$10,000
- 2013-2015 **Steven Farber (PI)**. *Longitudinal Analysis of Light Rail Transit Infrastructure in the Wasatch Front: Insights on the Transportation / Land Use Relationship*. Faculty Research And Creative Grant Program. University of Utah; \$6,000 -- Declined

Not Awarded

- 2012 **Steven Farber (PI)**. *Assessing Transit Fare Equity in Utah Using a Geographic Information System*. Funding Incentive Seed Grant Program. University of Utah; \$34,940.

PUBLICATIONS

Refereed Journal Articles

- 2015 Fransen, K., Neutens, T., **Farber, S.**, De Maeyer, P., Deruyter, G. & F. Witlox. "Identifying public transport gaps using time-dependent accessibility levels." *Journal of Transport Geography*. (Accepted)
- Patterson, Z. and **S. Farber**. "Potential Path Areas and Activity Spaces in Application: A Review." *Transport Reviews*. (Accepted)
- Farber, S.**, Ruiz, M. and A. Páez. "Testing for Spatial Independence Using Similarity Relations." *Geographical Analysis*, 47, 97-120.
- Widener, M.J., **Farber, S.**, Neutens, T. and M.W. Horner. "Spatiotemporal accessibility to supermarkets using public transit: an interaction potential approach in Cincinnati, Ohio." *Journal of Transport Geography*, 42, 72-83.
- Liao, H. and **S. Farber**. "Compact Development and Preference Heterogeneity in Residential Location Choice Behavior: A Latent Class Analysis." *Urban Studies*, 52(2), 314-337.
- 2014 **Farber, S.**, Neutens, T., Carrasco, J.A. and C. Rojas. "Social interaction potential and the spatial distribution of face-to-face social interactions." *Environment and Planning B*, 41, 960-976.
- Farber, S.**, Bartholomew, K., Li, X., Páez, A. and K.M. Nurul Habib. "Assessing social equity in distance based transit fares using a model of travel behavior." *Transportation Research Part A: Policy and Practice*, 67, 291-303.
- Farber, S.**, Morang, M. and M.J. Widener. "Temporal Variability in Transit-Based Accessibility to Supermarkets." *Journal of Applied Geography*, 53, 149-159.

- 2013 Neutens, T., **Farber, S.**, Delafontaine, M. and K. Boussauw. "Spatial Variation in the Potential for Social Interaction: A Case Study in Flanders (Belgium)." *Computers, Environment and Urban Systems*, 41, 318-331.
- Páez, A., **Farber, S.**, Mercado, R.G., Roorda, M. and C. Morency. "Jobs and the Single Parent: An Analysis of Accessibility to employment in Toronto." *Urban Geography*, 34(6), 815-842.
- Farber, S.** and X. Li. "Urban Sprawl and Social Interaction Potential: an Empirical Analysis of Large Metropolitan Regions throughout the United States." *Journal of Transport Geography*, 31, 267-277.
- Henry, K.A., Sherman, R., **Farber, S.**, Cockburn, M., Goldberg, G. and A.M. Stroup. "The joint effects of census tract poverty and geographic access on late-stage breast cancer diagnosis in ten US States." *Health & Place*, 21, 110-127.
- Widener, M.J., **Farber, S.**, Neutens, T. and M.W. Horner. "Using Urban Commuting Data to Calculate a Spatiotemporal Accessibility Measure for Food Environment Studies." *Health & Place*, 21, 1-9.
- Farber, S.**, Neutens, T., Miller, H. J. and X. Li. "The Social Interaction Potential of Metropolitan Regions: a Time-Geographic Measurement Approach Using Joint Accessibility." *Annals of the Association of American Geographers*, 103(3), 483-504.
- 2012 Mercado, R.G., Páez, A., **Farber, S.**, Roorda, M. and C. Morency. "Explaining transport mode use of low-income persons for journey to work in urban areas: a case study of Ontario and Quebec." *Transportmetrica*, 8(3), 157-180.
- Farber, S.**, Páez, A. and C. Morency. "Activity Spaces and the Measurement of Clustering: A Case Study of Cross-linguistic Exposure in Montreal." *Environment and Planning A*, 44(2), 315-332.
- Páez, A., and **S. Farber**. Participation and desire: leisure activities among Canadian adults with disabilities. *Transportation*, 39(6), 1055-1078.
- 2011 Páez, A., **Farber, S.** and D. Wheeler. "A simulation-based study of geographically weighted regression as a method for investigating spatially varying relationships." *Environment and Planning A*, 43(12), 2992-3010.
- Farber, S.**, and A. Páez. "Running to stay in place: the time-use implications of automobile oriented land-use and travel." *Journal of Transport Geography*, 19(4), 782-793.
- Farber, S.**, Páez, A., Mercado, R.G., Roorda, M. and C. Morency. "A time-use investigation of shopping participation in three Canadian cities: Is there evidence of social exclusion?" *Transportation*, 38(1), 17-44.
- 2010 Páez, A., Mercado, R.G., **Farber, S.**, Morency, C. and M. Roorda. "Accessibility to health care facilities in Montreal Island: An application of relative accessibility indicators from the perspective of senior and non-senior residents." *International Journal of Health Geographics*, 9(52).
- Farber, S.** and A. Páez. "Spatial Analysis in Canada: Introduction." *The Canadian Geographer*, 54(1), 1-3.
- Farber, S.** and A. Páez. "Employment status and commute distance of Canadians with disabilities." *Transportation*, 37(6), 931-952.

Morency, C., Páez, A., Roorda, M., Mercado, R.G. and **S. Farber**. "Distance Traveled in Three Canadian Cities: Spatial Analysis from the Perspective of Vulnerable Population Segments." *Journal of Transport Geography*, 19(1), 31-50.

Páez, A., Mercado, R.G., **Farber, S.**, Morency, C. and M. Roorda. "Relative accessibility deprivation indicators for urban settings: Definitions and application to food deserts in Montreal." *Urban Studies*, 47(7), 1415-1438.

Roorda, M., Páez, A., Morency, C., Mercado, R.G. and **S. Farber**. "Trip generation of vulnerable populations in three Canadian cities: a spatial ordered probit approach." *Transportation*, 37(3), 525-548.

2009 **Farber, S.**, Maoh, H. and P.K. Kanaroglou. "The Impacts of Urban Growth Policies on Transportation System Usage and Performance: A Simulation Approach." *Canadian Journal of Transportation*, 3(1).

Farber, S., Páez, A. and E. Volz. "Topology and dependency tests in spatial and network autoregressive models." *Geographical Analysis*, 41(2), 158-180.

Farber, S. and A. Páez. "My car, my friends, and me: An exploratory analysis of automobility and social activities." *Journal of Transportation Geography*, 17(3), 216-225.

2008 Páez, A., Long, F. and **S. Farber**. "Moving window approaches for hedonic price estimation: An empirical comparison of modeling techniques." *Urban Studies*, 45(8), 1565-1581.

2007 **Farber, S.** and A. Páez. "A systematic investigation of cross-validation in GWR model estimation: Empirical analysis and Monte Carlo simulations." *Journal of Geographical Systems*, 9(4), 371-396.

2006 **Farber, S.** and M. Yeates. "A comparison of localized regression models in an hedonic house price context." *Canadian Journal of Regional Science*, 29(3), 405-420.

Yeates, M. and **S. Farber**. "Do malls affect property values? A GWR/GIS analysis." *International Journal of Management Cases*, 8(3), 5-20.

Book Chapters

2011 **Farber, S.** and A. Páez. "Mobility without accessibility: the case of car use and discretionary activities." In K. Lucas, E. Blumenberg, and R. Weinberger (Eds.), *Auto Motives? Understanding our car use behaviour*. Emerald Group.

2009 **Farber, S.**, Páez, A. and E. Volz. "Topology, dependency tests and estimation bias in network autoregressive models." In A. Páez, J. Le Gallo, R. Buliung, and S. Dall'Erba (Eds.), *Advances in Spatial Sciences*. Springer-Verlag.

Government Reports

2014 **Farber, S.**, Bartholomew, K., Li, X., Páez, A. and K.M. Nurul Habib. Assessing Transit Fare Equity in Utah using a Geographic Information System. NITC-RR-540. National Institute for Transportation and Communities.

2010 Páez, A. and **S. Farber**. *Understanding the Transportation Situation of Canadian Adults with Disabilities*. Report to the Office for Disability Issues, Disability Research and Knowledge Development, Human Resources and Skills Development Canada.

2009 Páez, A., Mercado, R.J., **Farber, S.**, Morency, C. and M. Roorda. *Mobility and social exclusion in Canadian communities: An empirical investigation of opportunity access and*

deprivation from the perspective of vulnerable groups. Report to Policy Research Directorate, Strategic Policy and Research, Human Resources and Social Development Canada.

Papers Under Review

- 2015 **Farber, S.**, Ritter, B. & L. Fu. "Space-Time Mismatch between Transit Supply and Travel Demand in the Wasatch Front, Utah." *Travel Behaviour and Society*. (Resubmitted)
- Farber, S.**, O'Kelly, M, Miller, H.J. & T. Neutens. "Measuring segregation using patterns of daily travel behavior: a social interaction based model of exposure." *Journal of Transport Geography*. (Resubmitted)
- Li, X. & **S. Farber**. "Spatial Representation in the Social Interaction Potential Metric: an Analysis of Scale and Parameter Sensitivity". *Journal of Geographical Systems*.

INVITED LECTURES, PANELS AND CONFERENCE PRESENTATIONS

Invited Lectures and Panels

- 2015 *Building a Multi-modal Network to Perform Accessibility Equity Analyses*. Transport Equity Analysis (TEA) Cost Action Training School. Thessaloniki, Greece, May 5, 2015.
- Measuring segregation using patterns of daily travel behavior: A social interaction based model of exposure*. Friday Seminar Series. Institute of Transportation Engineers Student Chapter. University of Toronto, Toronto, Canada, February 27, 2015.
- 2014 *A Time Geographical Measurement of Segregation using Meso-Scale Commuter Flow Matrices*. Center for Urban and Regional Analysis. The Ohio State University, Columbus, OH, November 13, 2014.
- Travel Behaviour and Socially Vibrant Cities*. Department of Geography. University of Ghent, Ghent, Belgium, July 10, 2014.
- Travel Behaviour and Socially Vibrant Cities*. Center for Transportation Studies Lunch Seminar. KTH, Stockholm, Sweden, June 10, 2014.
- 2013 *Three Vignettes Demonstrating the Use of GIS in Transportation Geography Research*. Keynote Speaker. Utah Valley GIS Day, Orem, UT, November 7, 2013.
- Social Equity in Distance Based Transit Fares*. Invited speaker in session titled "What if the fare isn't fair?" Oregon Transportation Summit, Portland, OR, September 16, 2013.
- Urban Social Processes and their Ramifications: a Geo-Computational Approach*. Invited panel presentation in session 2118 CyberGIS Symposium: Frontiers and Roadmaps - Academic Viewpoints. Presented at the annual meeting of the Association of American Geographers, Los Angeles, CA, April 10, 2013.
- 2012 *Spatial Structure and Social Contact Opportunities at the Metropolitan Scale*. Presented at the Department of Civil Engineering, University of Concepcion, Chile, October 12, 2012.
- Urban Sprawl and Social Interaction Opportunities: New Methods and Measurement Approaches*. Presented at the Department of Quantitative Methods, University of Murcia, Spain, June 6, 2012.

Urban Spatial Structure, Automobility and the Potential for Social Interaction Opportunities. Presented at the Institute for Transportation Studies Spring Seminar Series, UC Davis, CA, May 18, 2012.

- 2011 *A non-parametric test for network and spatial dependence.* Invited speaker at Departamento Métodos Cuantitativos e Informáticos, Facultad de Ciencias de la Empresa, Universidad Politécnica de Cartagena, Cartagena, Spain, February 23, 2012.

Refereed Conference Presentations

- 2014 **Farber, S.**, Morang, M. and M.J. Widener (2014, June). *Temporal variability in transit-based accessibility: A case study of Cincinnati Supermarkets.* Presented at the World Symposium on Transport and Land Use Research, Delft, NL.
- Farber, S.**, Bartholomew, K., Li, X., Páez, A. and K.M. Nurul Habib (2014, January). *Social Equity in Distance Based Transit Fares.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- Liao, H. and **S. Farber** (2014, January). *Compact Development and Preference Heterogeneity in Residential Location Choice Behavior: A Latent Class Analysis.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- Widener, M.J., **Farber, S.**, Neutens, T. and M.W. Horner. (2014, January). *Spatiotemporal accessibility to supermarkets using public transit: an interaction potential approach in Cincinnati, Ohio.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- 2013 **Farber, S.**, Neutens, T., Carrasco, J.A. and C. Rojas (2013, January). *The Spatial Distribution of Face-to-face Social Interactions.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- Widener, M.J., **Farber, S.**, Neutens, T. and M.W. Horner (2013, January). *Using Urban Commuting Data to Calculate a Spatiotemporal Accessibility Measure for Healthy Food Environment Studies.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- 2012 **Farber, S.**, Neutens, T. and H.J. Miller (2012, January). *A Metric for the Social Interaction Potential of Metropolitan Regions: a Time-Geographic Approach Using Joint Accessibility.* Presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- 2011 **Farber, S.** and A. Páez (2011, January). *Recreation and Leisure by Persons with Disabilities: Analysis of Transportation Factors Based on Canada's Participation Activity Limitation Survey.* Poster presented at the annual meeting of the Transportation Research Board, Washington, D.C.
- 2010 Cascajo, R., **Farber, S.**, Jorda, P., Páez, A. and A. Monzon (2010, July). *Urban Form and Bus Ridership.* Paper presented at the 12th World Conference on Transportation Research, Lisbon, Portugal.
- Farber, S.** and A. Páez (2010, January). *Employment status and commute distance of Canadians with disabilities.* Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Farber, S., Maoh, H. and P.K. Kanaroglou (2010, January). *The Impacts of Urban Growth Policies on Transportation System Usage and Performance: A Simulation Approach*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Farber, S., Páez, A., Mercado, R.G., Roorda, M. and C. Morency (2010, January). *Transport and social exclusion: A time-use investigation of shopping participation in three Canadian cities*. Poster presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Mercado, R.G., Páez, A., **Farber, S.**, Roorda, M. and C. Morency (2010, January). *Explaining the use of different transport modes for journey to work in urban areas: the case of low-income persons in Ontario and Quebec*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

2009 Roorda, M., Páez, A., Morency, C., Mercado, R.G. and **S. Farber** (2009, January). *Trip generation of vulnerable populations in three Canadian cities: A spatial ordered probit approach*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Morency, C., Páez, A., Roorda, M., Mercado, R.G. and **S. Farber** (2009, January). *Social and spatial dimensions of distance traveled in three Canadian metropolitan areas*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Páez, A., Mercado, R.G., **Farber, S.**, Morency, C. and M. Roorda (2009, January). *At the intersection between opportunities and travel: Development of a new indicator of relative accessibility*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

2008 **Farber, S.** and A. Paez (2008, January). *Automobility and social activity participation: A preliminary analysis using data from a US city*. Paper presented at the annual meeting of the Transportation Research Board, Washington, D.C.

Non-Refereed Conference Presentations

2015 Fransen, K., Neutens, T., **Farber, S.**, De Maeyer, P., Deruyter, G. & F. Witlox. (2015, September). *Applying a Time Continuous Schedule Based Transit Analysis to Determine Transport Gaps*. Presented at the 9th National GIS in Transit Conference, Washington, DC.

Farber, S., & L. Fu. (2015, September). *Dynamic Public Transit Accessibility: Comparing the Effects of Infrastructure (Dis)investments Over Time*. Presented at the 9th National GIS in Transit Conference, Washington, DC.

Farber, S., O'Kelly, M., Miller, H.J. & T. Neutens. (2015, April). *Measuring segregation using patterns of daily travel behavior: a social interaction based model of exposure*. Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

Fu, L.& **Farber, S.** (2015, April). *Dynamic public transit accessibility: Comparing the effects of infrastructure (dis)investments over time*. Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

Widener, M.J., **Farber, S.**, Neutens, T. and M.W. Horner. (2015, April). *Spatiotemporal accessibility to supermarkets using public transit: an interaction potential approach in Cincinnati, Ohio*. Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

- Fransen, K., Neutens, T., **Farber, S.**, De Maeyer, P., Deruyter, G. & F. Witlox. (2015, April). *Public Transport Gaps in Flanders (Belgium)*. Presented at the annual meeting of the Association of American Geographers, Chicago, IL.
- Farber, S.**, O'Kelly, M, Miller, H.J. & T. Neutens. (2015, February). *Measuring segregation using patterns of daily travel behavior: a social interaction based model of exposure*. Presented at the 54th Meeting of the Western Regional Science Association, Tucson, AZ.
- 2014 Ritter, B. & **Farber, S.** (2014, April). *When and Where: Dynamic Public Transit Accessibility along the Wasatch Front*. Presented at the annual meeting of the Association of American Geographers, Tampa Bay, FL.
- Larsen, T., Reid, S., **Farber, S.**, and K. Henry (2014, May). *Spatial Access to Mammography Clinics Along the Wasatch Front*. Presented at 23rd annual conference of the Utah Geographic Information Council, Richfield, UT.
- Liao, H., **Farber, S.** and R. Ewing (2014, February). *Compact development and preference heterogeneity in residential location choice behavior: A latent class analysis*. Presented at the 53rd annual meeting of the Western Regional Science Association, San Diego, CA.
- 2013 **Farber, S.**, Bartholomew, K., Li, X., Páez, A. and K.M. Nurul Habib (2013, October). *Social Equity in Distance Based Transit Fares*. Presented at the GIS in Transit Conference, Washington, D.C.
- Morang, M., **Farber, S.**, and M.J. Widener (2013, October). *Calculating Food Deserts for the Transit-Dependent Population: What Southwest Ohio Regional Transit Authority Time-of-Day Effects Do We See?* Presented at the GIS in Transit Conference, Washington, D.C.
- Farber, S.**, Mur, J. and Ruiz, M. (2013, July). *Extremely dense weight matrices*. Presented at the 7th World Conference of the Spatial Econometrics Association, Washington, D.C.
- Farber, S.**, Mur, J. and Ruiz, M. (2013, April). *Finding a Needle in a Haystack: the Problem of Dense Weight Matrices in Spatial Econometric Models*. Presented at the annual meeting of the Association of American Geographers, Los Angeles, CA.
- Li, X. & **Farber, S.** (2013, April). *Spatial Representation in the Social Interaction Potential Metric: an Analysis of Scale and Parameter Sensitivity*. Presented at the annual meeting of the Association of American Geographers, Los Angeles, CA.
- 2012 Widener, M.J., **Farber, S.**, Neutens, T. & Horner, M.W. (2012,September). *Incorporating Spatiotemporal Accessibility and Activity Analysis in Urban Food Environment Studies*. Presented at the Workshop on Time-Geographic Information Science, GIScience Conference, Columbus, OH.
- Farber, S.**, Neutens, T., Carrasco, J.A. and Rojas, C. (2012, July). *The Spatial Distribution of Face-to-face Social Interactions*. Presented at the the 13th International Conference on Travel Behavior Research, Toronto, Canada.
- Neutens, T., **Farber, S.**, Delafontaine, M., Boussauw, K. (2012, May). *Spatial Variation in the Potential for Social Interaction: a Case Study in Flanders (Belgium)*. Presented at the 9th World Congress of Regional Science International, Timisoara, Romania.

- Henry, K.A. and **S. Farber** (2012, February). *Geographic Accessibility to Mammography Facilities and Breast Cancer Stage at Diagnosis*. Presented at the annual meeting of the Association of American Geographers, New York, NY.
- Neutens, T., **Farber, S.**, Delafontaine, M., Boussauw, K. (2012, February). *Urban Form and Social Capital: An Empirical Study of the Geography of Social Interaction Potential in Flanders (Belgium)*. Presented at the annual meeting of the Association of American Geographers, New York, NY.
- Farber, S.**, Neutens, T., Miller, H. J. (2012, February). *A Metric for the Social Interaction Potential of Metropolitan Regions: a Time-Geographic Approach Using Joint Accessibility*. Presented at the annual meeting of the Association of American Geographers, New York, NY.
- 2011 **Farber, S.**, Neutens, T., Miller, H. J. (2011, October). *A Metric for the Social Interaction Potential of Metropolitan Regions: a Time-Geographic Approach Using Joint Accessibility*. Presented at Frontiers in Transportation IV, Niagara-on-the-Lake, Canada.
- Farber, S.** and A. Páez (2011, April). *Measuring Segregation with Spatially Varying Mobility Metrics*. Presented at the annual meeting of the Association of American Geographers, Seattle, WA.
- 2010 **Farber, S.**, Páez, A. and Morency, C. (2010, November). *Who am I? Where am I? Socio-Spatial Perceptions of Clustering*. Paper presented at the annual North American meeting of the Regional Science Association International, Denver, CO.
- Páez, A. and **S. Farber** (2010, June). *Leisure participation and wants of adults with disabilities*. Presented at TRANSLOG 2nd Annual International Conference, Hamilton, Canada.
- Farber, S.** and A. Páez (2010, June). *Employment status and commute distance of Canadians with disabilities*. Presented at TRANSLOG 2nd Annual International Conference, Hamilton, Canada.
- Farber, S.**, Ruiz M. and A. Páez (2010, April). *A non-parametric test for network and spatial dependence using symbolic logic*. Presented at the annual meeting of the Association of American Geographers, Washington, D.C.
- 2009 **Farber, S.** and A. Páez (2009, October). *The Creeping Costs of Travel and the Time-use Implications of Automobility*. Presented at the Annual Meeting of the Ontario Division of the Canadian Association of Geographers, Mississauga, Canada.
- Farber, S.** and A. Páez (2009, August). *Activity Constraints and the Automobile: a Descriptive Analysis of Social Time Use Trends in Canada*. Presented at Frontiers in Transportation III, Niagara-on-the-Lake, Canada.
- Farber, S.** and A. Páez (2009, June). *Something Has Got to Give: The Effect of Car Travel on Discretionary Time Use*. Presented at TRANSLOG 1st Annual International Conference, Hamilton, Canada.
- Páez, A., Morency, C., Roorda, M., Mercado, R. and **S. Farber** (2009, July). *Fast food for thought: A tale of accessibility of low income individuals in Montreal*. Presented at the 13th International Symposium in Medical Geography, Hamilton, Canada.
- Farber, S.** and A. Páez (2009, June). *Which and Why? A conceptual and statistical investigation of W matrix coding schemes*. Poster presented at the Capturing Context

Conference, New York, NY.

Farber, S., Páez, A., Mercado, R.G., Roorda, M. and Morency, C. (2009, May). *A simultaneous equations approach to measuring social exclusion through activities and time use*. Paper presented at the Spring Seminar of the Department of Economic Analysis, University of Zaragoza, Zaragoza, Spain.

Mercado, R.G., Páez, A., **Farber, S.**, Morency, C. and Roorda, M. (2009, March). *Journey to work in urban areas: Explaining travel mode choice of low-income persons in Ontario and Quebec*. Paper presented at the annual meeting of the Association of American Geographers, Las Vegas, NV.

2008 **Farber, S.**, Páez, A., Mercado, R.G., Roorda, M. and Morency, C. (2008, November). *A simultaneous equations approach to measuring social exclusion through activities and time use*. Paper presented at the annual North American meeting of the Regional Science Association International, Brooklyn, NY.

Páez, A., Mercado, R.G., **Farber, S.**, Morency, C. and Roorda, M. (2008, November). *At the intersection between opportunities and travel: Development of a new indicator of relative accessibility*. Paper presented at the annual North American meeting of the Regional Science Association International, Brooklyn, NY.

Páez, A., Mercado, R.G., **Farber, S.**, Morency, C. and Roorda, M. (2008, November). *Access to health care facilities by Canadian elderly: An application of relative accessibility indicators*. Paper presented at the annual North American meeting of the Regional Science Association International, Brooklyn, NY.

Farber, S. and A. Páez (2008, November). *Model specification searches in spatial econometrics*. Presented at the world conference of the Spatial Econometrics Association, Brooklyn, NY.

Páez, A., Morency, C., Roorda, M., Mercado, R. and **S. Farber** (2008, October). *Fast food for thought: A tale of accessibility of low income individuals in Montreal*. Presented at the national encounter of the Brazilian Association of Regional Studies, Aracaju, Brazil.

Farber, S., Páez, A. and Axhausen, K. (2008, April). *Any given Monday: An exploration of the stability of long term activity patterns*. Paper presented at the annual meeting of the Association of American Geographers, Boston, MA.

Páez, A., Wheeler, D. and **S. Farber** (2008, March). *Multicollinearity in GWR models: A comment and some further experiments*. Paper presented at the world congress of Regional Science Association International, Sao Paulo, Brazil.

2007 **Farber, S.**, Páez, A. and Volz, E. (2007, November). *Topology and dependency tests in spatial and network autoregressive models*. Paper presented at the annual North American meeting of the Regional Science Association International, Savannah, GA.

Farber, S. and A. Páez (2007, October). *My car, my friends, and me: An exploratory analysis of automobility and social activities*. Paper presented at Frontiers in Transportation: Social Interactions, Amsterdam, The Netherlands.

Farber, S., Páez, A. and Volz, E. (2007, September). *Topology and dependency tests in spatial and network autoregressive models*. Paper presented at the annual meetings of the Canadian Regional Science Association, Mississauga, Canada.

- Farber, S.**, Páez, A. and Volz, E. (2007, July). *Topology and dependency tests in spatial and network autoregressive models*. Paper presented at the world conference of the Spatial Econometrics Association, Cambridge, UK.
- 2006 **Farber, S.** and A. Páez (2006, November). *The effect of influential points in cross-validation on GWR model estimation*. Paper presented at the annual North American Meetings of the Regional Science Association International, Toronto, Canada.
- Long, F., Páez, A. and **S. Farber** (2006, November). *Moving window approaches for hedonic price estimation*. Paper presented at the annual North American Meetings of the Regional Science Association International, Toronto, Canada.
- 2004 **Farber, S.** and Yeates, M. (2004, July). *The effect of shopping malls and power centres on residential property values*. Paper presented at the Conference on Recent Advances in Retailing and Consumer Services Science, Prague, Czech Republic.
- Farber, S.** and Yeates, M. (2004, March). *Using geographically weighted regression in property valuation*. Paper presented at the annual meeting of the Association of American Geographers, Philadelphia, PA.

EDITORIAL ACTIVITIES

Editorial Appointments

- 2015–Present **Editorial Board**. *Applied Geography*.
- 2014–Present **Associate Editor**. *Regional Studies, Regional Science*.
- 2013–Present **Associate Editor**. *Travel Behaviour and Society*.
- 2012–Present **Paper Review Coordinator**. *The Committee on Social and Economic Factors of Transportation (ADD20)*. Transportation Research Board. National Academies of Science.

Special Issues

- 2014 Carrasco, J.A. and **S. Farber** (2014). Selected papers on the social context of travel behaviour. Special issue of *Transportation Research Part A: Policy and Practice*, 68. Guest Editors.
- 2010 **Farber, S.** and A. Páez (2010). Spatial Analysis in Canada. Special issue of *The Canadian Geographer*, 54(1). Guest Editors.

Conference Sessions and Panels

- 2015 **Farber, S.** *Public Transportation, GIS, and Spatial Analysis*. Organized a session at the 2015 Meeting of the AAG.
- 2013 **Farber, S.**, Yu, H., Shaw, S.L. and Neutens, T. *Time Geography in the Big Data Era*. Organized 2 sessions at the 2013 Meeting of the AAG.
- 2012 **Farber, S.** and Neutens, T. *Time Geographical Analysis of Urban Social Sustainability*. Organized 2 sessions at the 2012 Meeting of the AAG.

STUDENT SUPERVISION

Postdoctoral Supervision

- 2013-2014 Iryna Danilina, Geography, University of Utah

Membership on Ph.D. Committees

- In Progress Ling Zhang, Geography, University of Utah.
In Progress Dapeng Li, Geography, University of Utah.
In Progress Katherine Kittrell, Urban Planning, University of Utah.
2011-2014 Haifeng Liao, Geography, University of Utah.
2011-2013 Calvin Tribby, Geography, University of Utah.
2011-2013 Ying Song, Geography, University of Utah.

Chaired Master's Committees

- In Progress Maria Grandez, CIP Supervisor, M.Sc. Program in Planning, University of Toronto
2012-2015 Liwei Fu, Geography, University of Utah, "Analyzing Route Choice of Bicyclists in Salt Lake City".
2012-2014 Benjamin Ritter, Geography, University of Utah, "Temporal Analysis of the Accessibility of the Salt Lake Valley's Public Transit Network".
2011-2015 Xiao Li, Geography, University of Utah, "Spatial Representation and Parameter Sensitivity in the Social Interaction Potential Metric".

Membership on Master's Committees

- 2015 Kelly Chan, Geography, University of Toronto
2014-2015 Steven Torkos, CIP Second Reader, M.Sc. Program in Planning, University of Toronto.
2014-2015 Sean House, CIP Second Reader, M.Sc. Program in Planning, University of Toronto.
2012-2014 Vy Nguyen, Geography, University of Utah
2013-2014 Kenneth Dudley, Geography, University of Utah
2011-2013 Korey Klein, Geography, University of Utah

Other Graduate Supervision

- In Progress James Lamers, RA Supervisor, M.Eng., University of Toronto
In Progress Evan Castel, RA Supervisor, Ph.D. Geography, University of Toronto
In Progress Jielan Xu, RA Supervisor, Ph.D. Planning, University of Toronto
2011 Kevin Hopkins, RA Supervisor, M.S.A., Ryerson University.

Undergraduate Research Supervision

- 2014 Tyler Larson, Geography, University of Utah.
2013 Sean Reid, Geography, University of Utah.
2013 Scott Barrell, Geography, University of Utah.

TEACHING

Teaching Projects

- 2013 Flipping Geographical Analysis. Innovative Teaching Award, College of Social and Behavioral Science, University of Utah. \$10,000.
2013 Steven Farber (Advisor) and Haifeng Liao (TA Scholar). GIS Pedagogy, Flipped Labs and Student Achievements. TA Scholars Program, University of Utah.

Courses Taught at University of Toronto

JPG1554	Transportation and Urban Form	2015
CITC18	Urban Transportation Policy Analysis	2015
GGRC32	Essential Spatial Analysis	2014-2015

Courses Taught at University of Utah

GEOG 3020	Geographical Analysis	2012-2013
GEOG 5020/6020	Advanced Spatial Analysis	2012
GEOG 5140/6140	Methods in GIS	2012-2013
GEOG 6960	Data Analysis Workshop	2012
GEOG 6960	Transportation, Land use and Accessibility	2011

Courses Taught at Ryerson University

SA 8912	Spatial Technologies in Strategic Planning	2011
GEO 361	Inferential Statistics in Geography	2010
GEO 505	Regional Analysis of Canada	2010

Courses Taught at McMaster University

GEO 2HB3	Urban Economic Geography	2008
GEO 3SA3	Applied Spatial Statistics (TA)	2008
GEO 2I03	Introductory GIS (TA)	2007

EXTERNAL SERVICE ACTIVITIES

2015-2016	Member. Transit Fare Equity Advisory Committee. City of Toronto.
2012–Present	Young Member and Paper Review Coordinator. Committee on Social and Economic Factors. Transportation Research Board. National Academy of Science.
2012–Present	Board Member. Transportation Geography Specialty Group. Association of American Geographers.
2009	Workshop Organizer. Frontiers in Transportation III. Niagara-on-the-Lake, September 2009.

INTERNAL SERVICE ACTIVITIES

2015-Present	Committee Member. Awards Committee. Department of Human Geography, University of Toronto Scarborough.
2015-Present	Committee Member. GIS Committee. Department of Human Geography, University of Toronto Scarborough.
2014-Present	Committee Member. OGS Committee. Department of Geography and Planning, University of Toronto.
2014-2015	Departmental Representative. Research Advisory Board. University of Toronto Scarborough.
2014-2015	Committee Member. Progress Through the Ranks Committee. Department of Human Geography, University of Toronto Scarborough.
2014-2015	Committee Member. City Studies Committee. Department of Human Geography, University of Toronto Scarborough.

2012–2014	Committee Member. Parking Advisory Committee. University of Utah.
2012–2014	Committee Member. Superior Research Award Committee. College of Social and Behavioral Science, University of Utah.
2012–2014	Committee Member. Graduate Committee. Department of Geography, University of Utah.
2012–2014	Committee Member. Undergraduate Committee. Department of Geography, University of Utah.
2012	Committee Member. Tenured Faculty Review Committee. Department of Geography, University of Utah.
2012	Committee Member. Masters of GIS Program Committee. Department of Geography, University of Utah.
2008–2009	Graduate Student Representative. Faculty Meetings. School of Geography and Earth Sciences, McMaster University.
2008–2010	Tutor. Statistics Helpdesk. School of Geography and Earth Sciences, McMaster University.
2007	Representative. Faculty Representative Council. Graduate Student Association, University of Utah.
2006–2009	Lab Instructor. High School Outreach GIS Day, School of Geography and Earth Sciences, McMaster University.

ACADEMIC REVIEW ACTIVITIES

Funding Agency Reviews

Research Foundation – Flanders (FWO). Postdoctoral Fellow Application. March 2015. 1 Proposal.

National Science Foundation. Geography and Spatial Sciences (GSS). October 2014. 1 Proposal.

National Science Foundation. Methodology, Measurement and Statistics (MMS). April 2014. 1 Proposal.

National Science Foundation. Geography and Spatial Sciences (GSS). October 2013. 2 Proposals.

National Commission for Scientific and Technological Research (CONICYT). National Fund for Scientific and Technological Development. Engineering 2 Study Group. Chile. August 2013.

Ad Hoc Journal Reviews

Applied Geography	2012:1; 2014:1
Annals of the Association of American Geographers	2012:1; 2013:4; 2015:1
Big Data and Urban Informatics: Book Chapter Review	2015:1
Computers, Environment and Urban Systems	2012:5; 2013:6; 2014:3; 2015:3
Economic Geography	2012:1
Environment and Planning A	2009:1; 2010:1; 2012:1; 2014:1
Environment and Planning B	2015:1
Environmental Software and Modelling	2013:1
Geographical Analysis	2010:2
Health & Place	2009:2

International Journal of Geographical Information Science	2013:2; 2014:1
International Journal of Health Geographics	2012:1
International Regional Science Review	2013:3
International Journal of Sustainable Transportation	2012:1; 2013:1; 2014:1
Jahrbuch für Regionalwissenschaft	2011:1
Journal of Geographical Systems	2008:2; 2009:4; 2010:1; 2011:2; 2013:4; 2014:2
Journal of Regional Science	2009:2
Journal of Transport and Health	2014:3
Journal of Transport Geography	2011:1; 2012:2; 2013:5; 2014:2; 2015:3
Journal of Transportation and Land Use	2013:1; 2014:3
Journal of Urban Planning and Development	2015:1
Regional Studies, Regional Science	2014:3; 2015:1
Regional Studies and Urban Economics	2007:1
Social and Cultural Geography	2008:1
The Canadian Geographer	2009:2
The Professional Geography	2014:2
The Transportation Research Board	2008:1; 2009:3; 2010:1; 2011:6; 2012:7; 2013:6; 2014:4; 2015:5
Transactions in GIS	2013:2
Transactions of the Institute of British Geographers	2011:1
Transport Policy	2012:1; 2013:2; 2014:1
Transport Review	2015:1
Transportation	2012:1; 2013:2; 2014:1
Transportation Research Part A: Policy and Practice	2014:1; 2015:1
Transportmetrica	2011:2
Travel Behaviour and Society	2013:2; 2014:1
Urban Geography	2012:1; 2013:1
Urban Studies	2012:1; 2013:1; 2014:1; 2015:1
URISA Journal	2012:1

IN THE PRESS

- 2015 Lorinc, John. "The Promise of Big Data." *Spacing* Winter 2014-2015.
- Vanta, Maria. "[Crosstown LRT brings new development, and controversy, to Eglinton.](#)" *The Globe and Mail* January 9, 2015.
- 2013 Edward, Olivia. "[Face-to-face time.](#)" *Geographical: Magazine of the Royal Geographical Society* 13 June 2013. Web.
- Ramos, Elliot & Natalie Moore. "[Why are Chicago's sidewalk cafes all on the North Side? Part 2.](#)" *WBEZ91.5* 5 June 2013. Web.
- Nettler, Jonathan. "[Maximizing Your City's Friendship Dividend.](#)" *Planetizen* 30 May 2013. Web.
- Lindsay, Greg. "[The Best Cities Are Ones Where You Can Make Friends.](#)" *Fast Company* 28 May 2013. Web.
- Julius, Britt. "[Where "they" live.](#)" *WBEZ91.5* 9 May 2013. Web.
- Davis, Julie. "[Building sociable cities.](#)" *Medill Reports Chicago* 2 May 2013. Web.

Association of American Geographers. "[Study: Sprawl may inhibit social interaction.](#)" *AAG SmartBrief* 25 April 2013. Web.

Badger, Emily. "[Is Your City Getting in the Way of Your Social Life?](#)" *The Atlantic Cities* 23 April 2013. Web.

Pitorak, Doug. "[Home alone: Urban sprawl decreases number of social interactions, study finds.](#)" *The Columbia Chronicle* 22 April 2013. Web.

Lee Davison. "[Halting urban sprawl may improve social interaction.](#)" *The Salt Lake Tribune* 18 April 2013.

Stewart, Kirsten. "[Poor, uninsured women prone to late-stage breast cancer, says U. of Utah study.](#)" *The Salt Lake Tribune* 5 March 2013.

Badger, Emily. "[What Food Desert Maps Get Wrong About How People Eat.](#)" *The Atlantic Cities* 20 February 2013. Web.

PROFESSIONAL AND ACADEMIC AFFILIATIONS

Current Affiliations

Association of American Geographers
North American Regional Science Council
Transportation Research Board
Western Regional Science Association
World Society for Transport and Land Use Research

Past Affiliations

Canadian Association of Geographers
Canadian Regional Science Association
Canadian Transportation Research Forum
International Association of Travel Behaviour Research
Spatial Econometrics Association

EMPLOYMENT AND CONSULTING

Statistics and Research Consulting Projects

2011 Cold Intolerance Management. Dr. Christine Novak, Toronto Rehab Institute.

2011 The determinants of seatbelt use in Kuwait. Dr. Mike Landry, Department of Physical Therapy, University of Toronto.

2010 Carpal Tunnel Study, Dr. Mike Landry, Department of Physical Therapy, University of Toronto.

2009—2010 Wellspring Network of Cancer Support Centres, Holley Bradley.

2009 Regional Osteoporosis Coordinator Knowledge Exchange Trial (ROCKET), Dr. Susan Jaglal, Department of Physical Therapy, University of Toronto.

2008—2009 Embodied Selfhood Study, Dr. Pia Kontos, Toronto Rehabilitation Institute.

Other Related Employment

2004–2005 **Research Analyst**, Environics Analytics Group, Toronto, Canada.

- Designed and implemented a spatial interaction model for predicting the effect of retail bank branch consolidations on patronage and transactions.
- Developed a GIS-based data-fusion methodology for tracking built-up land and developing a built-boundary for the Greater Golden Horseshoe for use within the Ontario Places to Grow Act.
- Worked with data development team to create propriety geodemographic datasets including census estimates and projections, the adjusted census, and PrizmCE.