

## LIFETIME PUBLICATIONS:

### (i) Peer-Reviewed:

### (c) *Published Journal Articles:*

On each of the entries below, authors are listed as published with the first author being the principal author.

66. Newbold, K.B., **Scott, D.M.** and Burke, C. (2015) Immigrant status and commute distance: an exploratory study based on Toronto's commuter shed. *Transportation*. Accepted.
65. Sullivan, J.L., Dowds, J., Novak, D.C., and **Scott, D.M.** (2015) Strategic location of satellite salt facilities for roadway snow and ice control. *Transportation Research Record: Journal of the Transportation Research Board*. 2482: 32-40.
64. Moniruzzaman, M., Páez, A., **Scott, D.** and Morency, C. (2015) Trip generation of seniors and the geography of walking in Montreal. *Environment and Planning A*, 47: 957-976.
63. Yiannakoulias, N., Bland, W. and **Scott, D.M.** (2014) A geography of moral hazard: sources and sinks of motor-vehicle commuting externalities. *Health & Place*, 29: 161-170.
62. **Scott, D.M.**, Lee, B.H.Y. and Miller, E.J. (2014). Innovations in location choice modeling underlying activity-travel behavior. *Journal of Transport and Land Use*, 7: 1-2.
61. Daxberger, H., Dalumpines, R., **Scott, D.M.** and Riller, U. (2014). The ValleyMorph Tool: an automated extraction tool for transverse topographic symmetry (T-) factor and valley width to valley height (Vf-) ratio. *Computers & Geosciences*, 70: 154-163.
60. Millward, H., Spinney J. and **Scott, D.M.** (2014) Durations and domains of aerobic activity: evidence from the 2010 Canadian time use survey. *Journal of Physical Activity and Health*, 11: 895-902.
59. Clark, A.F., **Scott, D.M.** and Yiannakoulias, N. (2014) Examining the relationship between active travel, weather, and the built environment: a multilevel approach using GPS-enhanced data. *Transportation*, 41: 325-338.
58. Clark, A.F. and **Scott, D.M.** (2014) Understanding the impact of the modifiable areal unit problem on the relationship between active travel and the built environment. *Urban Studies*, 51: 284-299.
57. Clark, A.F. and **Scott, D.M.** (2013) The social environment and walking for travel: a case study for Hamilton, Ontario, Canada. *Journal of Transport Geography*, 31: 278-285.
56. **Scott, D.M.**, Dugundji, E.R. and Páez, A. (2013) The social dimension of activity, travel and location choice behavior. *Journal of Transport Geography*, 31: 212-215.
55. Wilson, J., Spinney, J., Millward, H., **Scott, D.M.**, Tyedmers, T. and Hayden, A. (2013) Blame the exurbs, not the suburbs: exploring the distribution of greenhouse gas emissions within a city region. *Energy Policy*, 62: 1329-1335.
54. Yiannakoulias, N. and **Scott, D.M.** (2013) The effects of local and non-local traffic on child pedestrian safety: a spatial displacement of risk. *Social Science and Medicine*, 80: 96-104.
53. Yiannakoulias, N., Bland, W. and **Scott, D.M.** (2013) Altering school attendance times to prevent child pedestrian injuries. *Traffic Injury Prevention*, 14: 405-412.
52. Newbold, K.B. and **Scott, D.M.** (2013) Migration, commuting distance, and urban sustainability in Ontario's Greater Golden Horseshoe: implications of the Greenbelt and Places to Grow legislation. *The Canadian Geographer*, 57: 474-487.

51. Papinski, D. and **Scott, D.M.** (2013) Route choice efficiency: an investigation of home-to-work trips using GPS data. *Environment and Planning A*, 45: 263-275.

50. Millward, H., Spinney J. and **Scott, D.M.** (2013) Active-transport walking behavior: destinations, durations, distances. *Journal of Transport Geography*, 28: 101-110.

49. Chowdhury, T., Scott, D.M. and Kanaroglou, P.S. (2013) Urban form and commuting efficiency: a comparative analysis across space and time. *Urban Studies*, 50: 191-207.

48. Newbold, K.B. and **Scott, D.M.** (2012) What Ontario's Greenbelt and Places to Grow legislation means for commuting in the GGH. *Plan Canada*, 52: 13-15.

47. Brown, W.M. and **Scott, D.M.** (2012) Human capital location choice: accounting for amenities and thick labor markets. *Journal of Regional Science*, 52: 787-808.

46. Axisa, J.J., Newbold, K.B. and **Scott, D.M.** (2012) Migration, urban growth and commuting distance in Toronto's commuter shed. *Area*, 44: 344-355.

45. Páez, A., **Scott, D.M.** and Morency, C. (2012) Measuring accessibility: positive and normative implementations of various accessibility indicators. *Journal of Transport Geography*, 25: 141-153.

44. Novak, D.C., Sullivan, J.L. and **Scott, D.M.** (2012) A network-based approach for evaluating and ranking transportation roadway projects. *Applied Geography*, 34: 498-506.

43. **Scott, D.M.** and He, S.Y. (2012) Modeling constrained destination choice for shopping: a GIS-based, time-geographic approach. *Journal of Transport Geography*, 23: 60-71.

42. Dugundji, E., **Scott, D.M.**, Carrasco, J.A. and Páez, A. (2012) Urban mobility and social-spatial contact – introduction. *Environment and Planning A*, 44: 1011-1015.

41. **Scott, D.M.**, Dam, I., Páez, A. and Wilton, R.D. (2012) Investigating the effects of social influence on the choice to telework. *Environment and Planning A*, 44: 1016-1031.

40. Neutens, T., Delafontaine, M., **Scott, D.M.** and De Maeyer, P. (2012) An analysis of day-to-day variations in individual space-time accessibility. *Journal of Transport Geography*, 23: 81-91.

39. Axisa, J.J., **Scott, D.M.** and Newbold, K.B. (2012) Factors influencing commute distance: a case study of Toronto's commuter shed. *Journal of Transport Geography*, 24: 123-129.

38. Yiannakoulis N., Bennett, S.A. and **Scott, D.M.** (2012) Mapping commuter cycling risk in urban areas. *Accident Analysis and Prevention*, 45: 164-172.

37. Spinney, J.E.L., Millward, H. and **Scott, D.** (2012) Walking for transport versus recreation: a comparison of participants, timing and locations. *Journal of Physical Activity and Health*, 9: 153-162.

36. Neutens, T., Delafontaine, M., **Scott, D.M.** and De Maeyer, P. (2012) A GIS-based method to identify spatiotemporal gaps in public service delivery. *Applied Geography*, 32: 253-264.

35. Abou-Zeid, M. and **Scott, D.M.** (2011) Current issues in mode choice modeling. *Transportation*, 38:581-585.

34. Spinney, J.E.L., Millward, H. and **Scott, D.M.** (2011) Measuring active living in Canada: a time-use perspective. *Social Science Research*, 40: 685-694.

33. Yiannakoulis, N., **Scott, D.M.**, Rowe, B. and Voaklander, D.C. (2011) Child pedestrian injuries and urban change. *Injury Prevention*, 17: 9-14.

32. Papinski, D. and **Scott, D.M.** (2011) A GIS-based toolkit for route choice analysis. *Journal of Transport Geography*, 19: 434-442.
31. Kang, H. and **Scott, D.M.** (2011) Impact of different criteria for identifying intra-household interactions: a case study of household time allocation. *Transportation*, 38: 81-99.
30. Spinney, J., Kanaroglou, P. and **Scott, D.** (2011) Exploring spatial dynamics with land price indexes. *Urban Studies*, 48: 719-735.
29. Wilton, R.D., Páez, A. and **Scott, D.M.** (2011) Why do you care what other people think? A qualitative investigation of social influence and telecommuting. *Transportation Research Part A: Policy and Practice*, 45: 269-282.
28. Kang, H. and **Scott, D.M.** (2010) Exploring day-to-day variability in time use for household members. *Transportation Research Part A: Policy and Practice*, 44: 609-619.
27. Sullivan, J.L., Novak, D.C., Aultman-Hall, L. and **Scott, D.M.** (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: Policy and Practice*, 44:323-336.
26. Papinski, D., **Scott, D.M.** and Doherty, S.T. (2009) Exploring the route choice decision-making process: a comparison of planned and observed routes obtained using person-based GPS. *Transportation Research Part F: Traffic Psychology and Behaviour*, 12: 347-358.
25. Horni, A., **Scott, D.M.**, Balmer, M. and Axhausen, K.W. (2009) Location choice modeling for shopping and leisure activities with MATSim: combining microsimulation and time geography. *Transportation Research Record: Journal of the Transportation Research Board*, 2135: 87-95.
24. Kang, H., **Scott, D.M.** and Doherty, S.T. (2009) Investigation of planning priority of joint activities in household activity-scheduling process. *Transportation Research Record: Journal of the Transportation Research Board*, 2134: 82-88.
23. Spinney, J.E.L., **Scott, D.M.** and Newbold, K.B. (2009) Transport mobility benefits and quality of life: a time-use perspective of elderly Canadians. *Transport Policy*, 16: 1-11.
22. Maoh, H., Kanaroglou, P., **Scott, D.**, Páez, A. and Newbold, B. (2009) IMPACT: an integrated GIS- based model for simulating the consequences of demographic changes and population ageing on transportation. *Computers, Environment and Urban Systems*, 33: 200-210.
21. Kang, H., **Scott, D.M.**, Kanaroglou, P.S. and Maoh, H. (2009) An exploration of issues related to the study of generated traffic and other impacts arising from highway improvements. *Environment and Planning B: Planning and Design*, 36: 67-85.
20. Kanaroglou, P.S., Maoh, H.F., Newbold, K.B., **Scott, D.M.** and Páez, A. (2009) A demographic model for small area population projections: an application to the Census Metropolitan Area of Hamilton in Ontario, Canada. *Environment and Planning A*, 41: 964-979.
19. **Scott, D.M.**, Newbold, K.B., Spinney, J.E.L., Mercado, R.G., Páez, A. and Kanaroglou, P.S. (2009) New insights into senior travel behavior: the Canadian experience. *Growth and Change*, 40: 140-168.

18. Kanaroglou, P., Mercado, R., Maoh, H., Páez, A., **Scott, D.M.** and Newbold, B. (2008) Simulation framework for analysis of elderly mobility policies. *Transportation Research Record: Journal of the Transportation Research Board*, 2078: 62-71.
17. **Scott, D.M.** and Horner, M.W. (2008) The role of urban form in shaping access to opportunities: an exploratory spatial data analysis. *Journal of Transport and Land Use*, 1: 89-119.
16. Páez, A., **Scott, D.M.** and Voltz, E. (2008) Weight matrices for social influence analysis: an investigation of measurement errors and their effect on model identification and estimation quality. *Social Networks*, 30: 309-317.
15. Páez, A., **Scott, D.M.** and Voltz, E. (2008) A discrete choice approach to modeling social influence on individual decision making. *Environment and Planning B: Planning and Design*, 35: 1055-1069.
14. Kang, H. and **Scott, D.M.** (2008) An integrated spatio-temporal GIS toolkit for exploring intra- household interactions. *Transportation*, 35: 253-268.
13. Mercado, R., Páez, A., **Scott, D.M.**, Newbold, K.B. and Kanaroglou, P. (2007) Transport policy in aging societies: an international comparison and implications for Canada. *The Open Transportation Journal*, 1: 1-13.
12. Páez, A., **Scott, D.M.**, Potoglou, D., Kanaroglou, P. and Newbold, K.B. (2007) Elderly mobility: demographic and spatial analysis of trip making in the Hamilton CMA. *Urban Studies*, 44: 123-146.
11. Páez, A. and **Scott, D.M.** (2007) Social influence on travel behavior: a simulation example of the decision to telecommute. *Environment and Planning A*, 39: 647-665.
10. **Scott, D.M.** (2006) Embracing activity analysis in transport geography: merits, challenges and research frontiers. *Journal of Transport Geography*, 14: 389-392.
9. **Scott, D.M.** and Axhausen, K.W. (2006) Household mobility tool ownership: modeling interactions between cars and season tickets. *Transportation*, 33: 311-328.
8. **Scott, D.M.**, Novak, D.C., Aultman-Hall, L. and Guo, F. (2006) Network robustness index: a new method for identifying critical links and evaluating the performance of transportation networks. *Journal of Transport Geography*, 14: 215-227.
7. Newbold, K.B., **Scott, D.M.**, Spinney, J.E.L., Kanaroglou, P. and Páez, A. (2005) Travel behavior within Canada's elderly population: a cohort analysis. *Journal of Transport Geography*, 13: 340-351.
6. **Scott, D.M.**, Coomes, P. and Izyumov, A. (2005) The location choice of employment-based immigrants among U.S. metro areas. *Journal of Regional Science*, 45: 113-145.
5. Páez, A. and **Scott, D.M.** (2004) Spatial statistics for urban analysis: a review of techniques with examples. *GeoJournal*, 61: 53-67.
4. **Scott, D.M.** (2002) Overcoming traffic congestion: a discussion of reduction strategies and behavioral responses from a North American perspective. *European Journal of Transport and Infrastructure Research*, 2: 317-338.
3. **Scott, D.M.** and Kanaroglou, P.S. (2002) An activity-episode generation model that captures interactions between household heads: development and empirical analysis. *Transportation Research B: Methodological*, 36: 875-896.
2. **Scott, D.M.**, Kanaroglou, P.S. and Anderson, W.P. (1997) Impacts of commuting efficiency on congestion and emissions: case of the Hamilton CMA, Canada. *Transportation Research D: Transport and Environment*, 2: 245-257.

1. **Scott, D.M.** and Pazner, M. (1992) Image-processing of space-time graphs: an example using the Toronto–Montréal train schedule. *Cartographica*, 29: 31-37.