



Antonio Páez

Professor

May 2022

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paezha

About me

This is me.

About me

- I trained in civil engineering before being adopted into geography.
- My areas of interest include spatial analysis, spatial statistics, transportation, travel behavior, cities.
- Also, too, mathematics, computer languages, science fiction, poetry, and memes.
- I have been known to look professorial on occasion.
- At this rate my only hope of being recognized is as the most promising oldest researcher in my discipline.

Education

| | | |
|-----------|---|---|
| 1997-2000 | PhD | Tohoku University |
| | Sendai, Japan | |
| | • Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects | |
| 1995-1997 | M.Sc. | Tohoku University |
| | Sendai, Japan | |
| | • Thesis Title: Evaluation of Environmental Changes Caused by Urbanization | |
| 1989-1993 | B.Eng. | Instituto Tecnológico y de Estudios Superiores de Monterrey |
| | Monterrey, Mexico | |

Current Status at McMaster

Full Professor in the School of Earth, Environment and Society since 2014. Tenured since 2007.

Employment History

Academic

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|----------------------------|--|---|
| July 2014-present | Professor | School of Earth, Society and Environment, McMaster University |
| July 2007-June 2014 | Associate Professor | School of Earth, Environment and Society, McMaster University |
| July 2002-June 2007 | Assistant Professor | School of Geography and Earth Sciences, McMaster University |
| October 2000-March 2002 | Research Fellow-Lecturer | Center for Northeast Asian Studies, Tohoku University |
| January 1993-December 1993 | Instructor-Topographical Survey Laboratory | Dept. of Civil Engineering, Instituto Tecnológico y de Estudios Superiores de Monterrey |
| | | Monterrey, Mexico |

Industry

Surveyor and construction site supervisor (August 1993 – March 1995) Topographical survey projects in Nuevo León, Mexico, sponsored by various Municipal Public Works Departments (Monterrey, Guadalupe, Santa Catarina), and by Mercedes-Benz. These projects involved in-field data collection and computer aided design. Construction site supervision.

Editor-in-Chief:

Journal of Geographical Systems (January, 2008-present)

Associate Editor:

Papers in Regional Science (November, 2016-August, 2019)

Editorial Board Membership

January 2012-December 2017Computers, Environment, and Urban Systems

April 2014-March 2017 Decision Support Systems

January 2014-present Economic and Business Letters

January 2010-December 2017Environment and Planning A

2018-present Geographical Analysis

2015-present Ingeniería de Transporte

January 2019-present International Journal of Geographic Information Science

2018-present Journal of Transport Geography

January, 2008-May, 2012 Open Environmental Journal

January, 2008-May, 2012 Open Geography Journal

January, 2008-May, 2012 Open Urban Studies Journal

January 2015-present Papers in Regional Science

January 2012-present Transportation

Journal Referee

Number of Total Lifetime Reviews

306

Number of Reviews in 2022

5

Reviews-to-Publications per Year

Fig. 1 is a summary of journal reviews-to-publications per year showing contributions to peer-review relative to demands on peer-review.

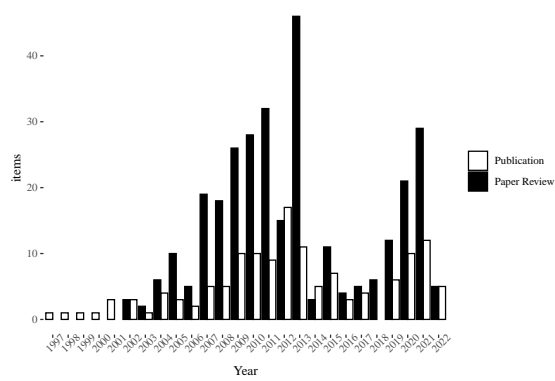


Figure 1: Reviews-to-publications by year

Reviews per journal

| | |
|----|--|
| 2 | Ageing and Society |
| 4 | Annals of the Association of American Geographers |
| 1 | Applied Geography |
| 2 | Applied Spatial Analysis and Policy |
| 1 | Automotives |
| 1 | Canadian Journal of Regional Science |
| 1 | Cartography and Geographic Information Science |
| 1 | Case Studies in Transport Policy |
| 1 | Computational and Mathematical Organization Theory |
| 1 | Computers and Geosciences |
| 14 | Computers, Environment and Urban Systems |
| 1 | Decision Support Systems |
| 1 | Ecological Applications |
| 1 | Economia Aplicada |
| 1 | Economic Modelling |
| 15 | Environment and Planning A |
| 5 | Environment and Planning B |
| 1 | Environmental Modelling & Assessment |
| 4 | Findings |
| 1 | Geo-Spatial Information Science |
| 25 | Geographical Analysis |
| 7 | Health and Place |
| 1 | Health Policy and Technology |
| 1 | IEEE Access |

Areas of Interest

Spatial data analysis and statistics; transportation modeling; travel behavior; health geography; Geographic Information Systems.

Honours

Visiting Professorships

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|------|---|-----------------------------------|
| 2008 | Visiting Professorship Madrid, Spain | Universidad Politécnica de Madrid |
|------|---|-----------------------------------|

Scholarships

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|-------------------------------|---|---|
| October, 1997-September, 2000 | Graduate Scholarship (Monbusho) Japan | Japanese Ministry of Science, Education and Culture |
| April, 1995-September, 1997 | Graduate Scholarship (Monbusho) Japan | Japanese Ministry of Science, Education and Culture |

Scientific Awards

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|---------------|--|-------------------------------------|
| October, 2002 | Best Presentation Award 57th Annual Conference of the JSCE • K. Kawai, K. Miyamoto, V. Vichiensan, and Antonio Páez | Japan Society of Civil Engineers |
| 2010 | Meredith F. Burrill Award for work of exceptional merit and quality that lies at or near the intersection of basic research in geography on the one hand, and practical applications or policy implications on the other • Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda | Association of American Geographers |

Trainee Honours

| | | |
|------|---|------------------|
| 2021 | Transportation Geography Specialty Group of the Association of American Geographers Winner, Master's Competition | Elise Desjardins |
| 2016 | International Transportation Forum Young Researcher Award | Md Moniruzzaman |
| 2014 | Canadian Institutes for Health Research, Institute of Aging Age+ Prize | Md Moniruzzaman |
| 2013 | World Conference of Transport Research Society Ph.D. Prestige Grant | Md Moniruzzaman |
| 2012 | Transportation Geography Specialty Group of the Association of American Geographers Winner, Master's Competition | Md Moniruzzaman |
| 2011 | Transportation Geography Specialty Group of the Association of American Geographers Honorable Mention, Ph.D. Competition | Steven Farber |

Other

| | | |
|------|--|--------------------|
| 2022 | Web of Science • Páez A, Scott DM, Morency C (2012) Measuring accessibility: Positive and normative aspects of various accessibility indicators, Journal of Transport Geography. 25 141-153 (doi: 10.1016/j.jtrangeo.2012.03.016) • Páez A, Lopez FA, Menezes T, Cavalcanti R, Galdino da Rocha Pitta M (2021) A spatio-temporal analysis of the environmental correlates of COVID-19 incidence in Spain, Geographical Analysis, 53 (3) 397-421 (doi:10.1111/gean.12241) | Highly Cited Badge |
|------|--|--------------------|

Supervisorships

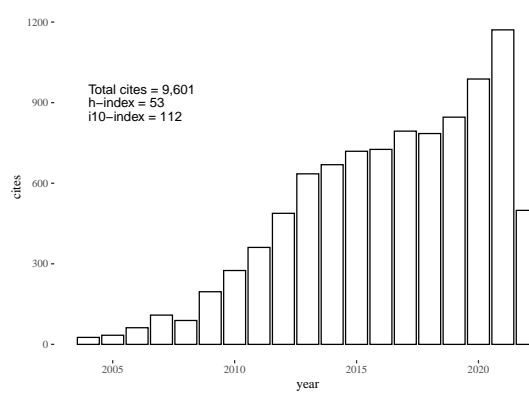


Figure 2: Citations per year according to Google Scholar

Undergraduate

Diploma and Certificate

Master

Ph.D.

Supervisory Committees

Examination Committees

Research and Other Funding

Research Impact

Fig. 2 is a summary of research impact according to Google Scholar.

Lifetime Publications

Peer-Reviewed

Edited Books

1. Franklin, R. S., Leeuwen, E. S. van, & Paez, A. (2018). *Population loss: The role of transportation and other issues*. Academic Press.
2. Kanaroglou, P., Delmelle, E., & Páez, A. (2015). *Spatial analysis in health geography*. Ashgate Publishing, Ltd.
3. Páez, A., Gallo, J., Buliung, R. N., & Dall'erba, S. (2009). *Progress in spatial analysis: Methods and applications*. Springer Science & Business Media.

Book Chapters

Journal Articles (Published)

1. Whalen, K., & Paez, A. (2022). Reliability of the reflective learning framework for assessing higher-order thinking in geography and sustainability courses [Journal Article]. *Journal of Geography*, 121(1), 18–33. <https://doi.org/10.1080/00221341.2021.2003848>
2. Sears, S., Moataz, M., Ferguson, M., Razavi, S., & Páez, A. (2022). Perceived barriers to the movement of goods in Canada: A grounded theory investigation [Journal Article]. *Transportation Research Part A: Policy and Practice*, 162, 27–45. <https://doi.org/https://doi.org/10.1016/j.tra.2022.05.011>
3. Desjardins, E., Higgins, C. D., & Páez, A. (2022). Examining equity in accessibility to bike share: A balanced floating catchment area approach. *Transportation Research Part D: Transport and Environment*, 102, 103091. <https://doi.org/https://doi.org/10.1016/j.trd.2021.103091>
4. Demitry, M., Higgins, C. D., Páez, A., & Miller, E. J. (2022). Accessibility to primary care physicians: Comparing floating catchments with a utility-based approach. *Journal of Transport Geography*, 101, 103356. <https://doi.org/https://doi.org/10.1016/j.jtrangeo.2022.103356>

5. Brown, M. J., Scott, D. M., & Páez, A. (2022). A spatial modeling approach to estimating bike share traffic volume from GPS data [Journal Article]. *Sustainable Cities and Society*, 76, 103401. <https://doi.org/10.1016/j.scs.2021.103401>
6. Whalen, K., & Paez, A. (2021). Student perceptions of reflection and the acquisition of higher-order thinking skills in a university sustainability course [Journal Article]. *Journal of Geography in Higher Education*, 45(1), 108–127. <https://doi.org/10.1080/03098265.2020.1804843>
7. Pereira, R. H. M., Braga, C. K. V., Servo, L. M., Serra, B., Amaral, P., Gouveia, N., & Paez, A. (2021). Geographic access to COVID-19 healthcare in brazil using a balanced float catchment area approach [Journal Article]. *Social Science & Medicine*, 273. <https://doi.org/10.1016/j.socscimed.2021.113773>
8. Paez, A., Lopez, F. A., Menezes, T., Cavalcanti, R., & Rocha Pitta, M. G. da. (2021). A spatio-temporal analysis of the environmental correlates of COVID-19 incidence in spain [Journal Article]. *Geographical Analysis*, 53(3), 397–421. <https://doi.org/10.1111/gean.12241>
9. Páez, A., & Higgins, C. D. (2021). An examination of the accessibility implications of a pilot COVID-19 vaccination program in hamilton, ontario [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.24082>
10. Paez, A. (2021). Open spatial sciences: An introduction [Journal Article]. *Journal of Geographical Systems*, 23(4), 467–476. <https://doi.org/10.1007/s10109-021-00364-4>
11. Lira, B. M., & Paez, A. (2021). Do drivers dream of walking? An investigation of travel mode dissonance from the perspective of affective values [Journal Article]. *Journal of Transport & Health*, 20. <https://doi.org/10.1016/j.jth.2021.101015>
12. Higgins, C. D., Paez, A., Kim, G., & Wang, J. (2021). Changes in accessibility to emergency and community food services during COVID-19 and implications for low income populations in hamilton, ontario [Journal Article]. *Social Science & Medicine*, 291. <https://doi.org/10.1016/j.socscimed.2021.114442>
13. Eldeeb, G., Mohamed, M., & Paez, A. (2021). Built for active travel? Investigating the contextual effects of the built environment on transportation mode choice [Journal Article]. *Journal of Transport Geography*, 96. <https://doi.org/10.1016/j.jtrangeo.2021.103158>
14. Doulabi, S., Hassan, H. M., Ferguson, M. R., Razavi, S., & Paez, A. (2021). Exploring the determinants of older adults' susceptibility to pedestrians' incidents [Journal Article]. *Accident Analysis and Prevention*, 155. <https://doi.org/10.1016/j.aap.2021.106100>
15. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Paez, A. (2021). Using environmental audits and photo-journeys to compare objective attributes and bicyclists' perceptions of bicycle routes [Journal Article]. *Journal of Transport & Health*, 22. <https://doi.org/10.1016/j.jth.2021.101092>
16. Desjardins, E., Apatu, E., Razavi, S. D., Higgins, C. D., Scott, D. M., & Paez, A. (2021). "Going through a little bit of growing pains": A qualitative study of the factors that influence the route choice of regular bicyclists in a developing cycling city [Journal Article]. *Transportation Research Part F-Traffic Psychology and Behaviour*, 81, 431–444. <https://doi.org/10.1016/j.trf.2021.06.005>
17. de Arruda, R. G., de Menezes, T. A., dos Santos, J. M. A., Paez, A., & Lopes, F. (2021). The effect of politician denialist approach on COVID-19 cases and deaths [Journal Article]. *Economía*, 22(3), 214–224. <https://doi.org/https://doi.org/10.1016/j.econ.2021.11.007>
18. Victoriano, R., Paez, A., & Carrasco, J.-A. (2020). Time, space, money, and social interaction: Using machine learning to classify people's mobility strategies through four key dimensions [Journal Article]. *Travel Behaviour and Society*, 20, 1–11. <https://doi.org/10.1016/j.tbs.2020.02.004>
19. Sarlas, G., Paez, A., & Axhausen, K. W. (2020). Betweenness-accessibility: Estimating impacts of accessibility on networks [Journal Article]. *Journal of Transport Geography*, 84. <https://doi.org/10.1016/j.jtrangeo.2020.102680>

20. Romero, F., Gomez, J., Paez, A., & Manuel Vassallo, J. (2020). Toll roads vs. Public transportation: A study on the acceptance of congestion-calming measures in madrid [Journal Article]. *Transportation Research Part a-Policy and Practice*, 142, 319–342. <https://doi.org/10.1016/j.tra.2020.11.001>
21. Paez, A., Hassan, H., Ferguson, M., & Razavi, S. (2020). A systematic assessment of the use of opponent variables, data subsetting and hierarchical specification in two-party crash severity analysis [Journal Article]. *Accident Analysis and Prevention*, 144. <https://doi.org/10.1016/j.aap.2020.105666>
22. Paez, A., Anjum, Z., Dickson-Anderson, S. E., Schuster-Wallace, C. J., Martin Ramos, B., & Higgins, C. D. (2020). Comparing distance, time, and metabolic energy cost functions for walking accessibility in infrastructure-poor regions [Journal Article]. *Journal of Transport Geography*, 82. <https://doi.org/10.1016/j.jtrangeo.2019.102564>
23. Páez, A. (2020). Using google community mobility reports to investigate the growth of COVID-19 in the united states [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.12976>
24. Jamal, S., & Páez, A. (2020). Changes in trip-making frequency by mode during the COVID-19 emergency in bangladesh [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.17977>
25. Jamal, S., Mohiuddin, H., & Paez, A. (2020). How do the perceptions of neighborhood conditions impact active transportation? A study in rajshahi, bangladesh [Journal Article]. *Transportation Research Part D-Transport and Environment*, 87. <https://doi.org/10.1016/j.trd.2020.102525>
26. He, L., Paez, A., Jiao, J., An, P., Lu, C., Mao, W., & Long, D. (2020). Ambient population and larceny-theft: A spatial analysis using mobile phone data [Journal Article]. *Isprs International Journal of Geo-Information*, 9(6). <https://doi.org/10.3390/ijgi9060342>
27. Cupido, K., Jevtic, P., & Paez, A. (2020). Spatial patterns of mortality in the united states: A spatial filtering approach [Journal Article]. *Insurance Mathematics & Economics*, 95, 28–38. <https://doi.org/10.1016/j.insmatheco.2020.08.003>
28. Whalen, K., & Paez, A. (2019). Development of a new framework to guide, assess, and evaluate student reflections in a university sustainability course [Journal Article]. *Teaching & Learning Inquiry-the Issotl Journal*, 7(1), 55–77. <https://doi.org/10.20343/teachlearninqu.7.1.5>
29. Paez, A., Lopez, F., Ruiz, M., & Camacho, M. (2019). Inducing non-orthogonal and non-linear decision boundaries in decision trees via interactive basis functions [Journal Article]. *Expert Systems with Applications*, 122, 183–206. <https://doi.org/10.1016/j.eswa.2018.12.041>
30. Paez, A., Higgins, C. D., & Vivona, S. F. (2019). Demand and level of service inflation in floating catchment area (FCA) methods [Journal Article]. *Plos One*, 14(6). <https://doi.org/10.1371/journal.pone.0218773>
31. Paez, A. (2019). Using spatial filters and exploratory data analysis to enhance regression models of spatial data [Journal Article]. *Geographical Analysis*, 51(3), 314–338. <https://doi.org/10.1111/gean.12180>
32. Martin, B., & Paez, A. (2019). Individual and geographic variations in the propensity to travel by active modes in vitoria-gasteiz, spain [Journal Article]. *Journal of Transport Geography*, 76, 103–113. <https://doi.org/10.1016/j.jtrangeo.2019.03.005>
33. Arranz-Lopez, A., Soria-Lara, J. A., Witlox, F., & Paez, A. (2019). Measuring relative non-motorized accessibility to retail activities [Journal Article]. *International Journal of Sustainable Transportation*, 13(9), 639–651. <https://doi.org/10.1080/15568318.2018.1498563>
34. Lopez, F. A., Paez, A., Carrasco, J. A., & Ruminot, N. A. (2017). Vulnerability of nodes under controlled network topology and flow autocorrelation conditions [Journal Article]. *Journal of Transport Geography*, 59, 77–87. <https://doi.org/10.1016/j.jtrangeo.2017.02.002>
35. Lopez, F. A., & Paez, A. (2017). Spatial clustering of high-tech manufacturing and knowledge-intensive service firms in the greater toronto area [Journal Article]. *Canadian Geographer-Geographe Canadien*, 61(2), 240–252. <https://doi.org/10.1111/cag.12326>

36. He, L., Paez, A., & Liu, D. (2017). Built environment and violent crime: An environmental audit approach using google street view [Journal Article]. *Computers Environment and Urban Systems*, 66, 83–95. <https://doi.org/10.1016/j.compenvurbsys.2017.08.001>
37. He, L., Paez, A., & Liu, D. (2017). Persistence of crime hot spots: An ordered probit analysis [Journal Article]. *Geographical Analysis*, 49(1), 3–22. <https://doi.org/10.1111/gean.12107>
38. Rojas, C., Paez, A., Barbosa, O., & Carrasco, J. (2016). Accessibility to urban green spaces in chilean cities using adaptive thresholds [Journal Article]. *Journal of Transport Geography*, 57, 227–240. <https://doi.org/10.1016/j.jtrangeo.2016.10.012>
39. Moniruzzaman, M., & Paez, A. (2016). An investigation of the attributes of walkable environments from the perspective of seniors in montreal [Journal Article]. *Journal of Transport Geography*, 51, 85–96. <https://doi.org/10.1016/j.jtrangeo.2015.12.001>
40. Lopez, F. A., Matilla-Garcia, M., Mur, J., Paez, A., & Ruiz, M. (2016). A note on the SG(m) test [Journal Article]. *Journal of Geographical Systems*, 18(1), 87–96. <https://doi.org/10.1007/s10109-015-0221-7>
41. Roofigari-Esfahan, N., Paez, A., & Razavi, S. N. (2015). Location-aware scheduling and control of linear projects: Introducing space-time float prisms [Journal Article]. *Journal of Construction Engineering and Management*, 141(1). [https://doi.org/10.1061/\(asce\)co.1943-7862.0000916](https://doi.org/10.1061/(asce)co.1943-7862.0000916)
42. Neto, R. S., Duarte, G., & Paez, A. (2015). Gender and commuting time in sao paulo metropolitan region [Journal Article]. *Urban Studies*, 52(2), 298–313. <https://doi.org/10.1177/0042098014528392>
43. Moniruzzaman, M., Paez, A., Scott, D., & Morency, C. (2015). Trip generation of seniors and the geography of walking in montreal [Journal Article]. *Environment and Planning a-Economy and Space*, 47(4), 957–976. <https://doi.org/10.1068/a130070p>
44. Moniruzzaman, M., Chudyk, A., Paez, A., Winters, M., Sims-Gould, J., & McKay, H. (2015). Travel behavior of low income older adults and implementation of an accessibility calculator [Journal Article]. *Journal of Transport & Health*, 2(2), 257–268. <https://doi.org/10.1016/j.jth.2015.02.006>
45. He, L., Paez, A., Liu, D., & Jiang, S. (2015). Temporal stability of model parameters in crime rate analysis: An empirical examination [Journal Article]. *Applied Geography*, 58, 141–152. <https://doi.org/10.1016/j.apgeog.2015.02.002>
46. Goetzke, F., Gerike, R., Paez, A., & Dugundji, E. (2015). Social interactions in transportation: Analyzing groups and spatial networks [Journal Article]. *Transportation*, 42(5), 723–731. <https://doi.org/10.1007/s11116-015-9643-9>
47. Farber, S., Ruiz Marin, M., & Paez, A. (2015). Testing for spatial independence using similarity relations [Journal Article]. *Geographical Analysis*, 47(2), 97–120. <https://doi.org/10.1111/gean.12044>
48. Wheeler, D. C., Paez, A., Spinney, J., & Waller, L. A. (2014). A bayesian approach to hedonic price analysis [Journal Article]. *Papers in Regional Science*, 93(3), 663–683. <https://doi.org/10.1111/pirs.12003>
49. Reyes, M., Paez, A., & Morency, C. (2014). Walking accessibility to urban parks by children: A case study of montreal [Journal Article]. *Landscape and Urban Planning*, 125, 38–47. <https://doi.org/10.1016/j.landurbplan.2014.02.002>
50. Pouliou, T., Elliott, S. J., Paez, A., & Newbold, K. B. (2014). Building obesity in canada: Understanding the individual-and neighbourhood-level determinants using a multi-level approach [Journal Article]. *Geospatial Health*, 9(1), 45–55. <https://doi.org/10.4081/gh.2014.5>
51. Moniruzzaman, M., Paez, A., & Morency, C. (2014). Compliance potential mapping: A tool to assess potential contributions of walking towards physical activity guidelines [Journal Article]. *Bmc Public Health*, 14. <https://doi.org/10.1186/1471-2458-14-511>

52. Farber, S., Bartholomew, K., Li, X., Paez, A., & Habib, K. M. N. (2014). Assessing social equity in distance based transit fares using a model of travel behavior [Journal Article]. *Transportation Research Part a-Policy and Practice*, 67, 291–303. <https://doi.org/10.1016/j.tra.2014.07.013>
53. Whalen, K. E., Paez, A., & Carrasco, J. A. (2013). Mode choice of university students commuting to school and the role of active travel [Journal Article]. *Journal of Transport Geography*, 31, 132–142. <https://doi.org/10.1016/j.jtrangeo.2013.06.008>
54. Silva, R. R. da, & Páez, A. (2013). O isolamento geoeconômico dos municípios da região norte do brasil: Uma proposta para quantificá-lo. *Revista Brasileira de Estudos Regionais e Urbanos*, 7(1), 1–18.
55. Scott, D. M., Dugundji, E. R., & Paez, A. (2013). The social dimension of activity, travel and location choice behavior [Journal Article]. *Journal of Transport Geography*, 31, 212–215. <https://doi.org/10.1016/j.jtrangeo.2013.06.009>
56. Paez, A., Moniruzzaman, M., Bourbonnais, P.-L., & Morency, C. (2013). Developing a web-based accessibility calculator prototype for the greater montreal area [Journal Article]. *Transportation Research Part a-Policy and Practice*, 58, 103–115. <https://doi.org/10.1016/j.tra.2013.10.020>
57. Paez, A., Lopez, F. A., Ruiz, M., & Morency, C. (2013). Development of an indicator to assess the spatial fit of discrete choice models [Journal Article]. *Transportation Research Part B-Methodological*, 56, 217–233. <https://doi.org/10.1016/j.trb.2013.08.009>
58. Paez, A., Farber, S., Mercado, R., Roorda, M., & Morency, C. (2013). Jobs and the single parent: An analysis of accessibility to employment in toronto [Journal Article]. *Urban Geography*, 34(6), 815–842. <https://doi.org/10.1080/02723638.2013.778600>
59. Paez, A., Esita, J., Newbold, K. B., Heddle, N. M., & Blake, J. T. (2013). Exploring resource allocation and alternate clinic accessibility landscapes for improved blood donor turnout [Journal Article]. *Applied Geography*, 45, 89–97. <https://doi.org/10.1016/j.apgeog.2013.08.008>
60. Paez, A. (2013). Mapping travelers' attitudes: Does space matter? [Journal Article]. *Journal of Transport Geography*, 26, 117–125. <https://doi.org/10.1016/j.jtrangeo.2012.09.002>
61. Moniruzzaman, M., Paez, A., Habib, K. M. N., & Morency, C. (2013). Mode use and trip length of seniors in montreal [Journal Article]. *Journal of Transport Geography*, 30, 89–99. <https://doi.org/10.1016/j.jtrangeo.2013.03.007>
62. Le Gallo, J., & Paez, A. (2013). Using synthetic variables in instrumental variable estimation of spatial series models [Journal Article]. *Environment and Planning a-Economy and Space*, 45(9), 2227–2242. <https://doi.org/10.1068/a45443>
63. Lavery, T. A., Paez, A., & Kanaroglou, P. S. (2013). Driving out of choices: An investigation of transport modality in a university sample [Journal Article]. *Transportation Research Part a-Policy and Practice*, 57, 37–46. <https://doi.org/10.1016/j.tra.2013.09.010>
64. Whalen, K. E., Paez, A., Bhat, C., Moniruzzaman, M., & Paleti, R. (2012). T-communities and sense of community in a university town: Evidence from a student sample using a spatial ordered-response model [Journal Article]. *Urban Studies*, 49(6), 1357–1376. <https://doi.org/10.1177/0042098011411942>
65. Scott, D. M., Dam, I., Paez, A., & Wilton, R. D. (2012). Investigating the effects of social influence on the choice to telework [Journal Article]. *Environment and Planning A*, 44(5), 1016–1031. <https://doi.org/10.1068/a43223>
66. Ruiz, M., Lopez, F., & Paez, A. (2012). Comparison of thematic maps using symbolic entropy [Journal Article]. *International Journal of Geographical Information Science*, 26(3), 413–439. <https://doi.org/10.1080/13658816.2011.586327>
67. Paez, A., Trepanier, M., & Morency, C. (2012). Modeling isoexposure to transit users for market potential analysis [Journal Article]. *Transportation Research Part a-Policy and Practice*, 46(10), 1517–1527. <https://doi.org/10.1016/j.tra.2012.07.004>

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Journal Articles (Accepted for Publication in Final Form)

1. Paez, A. (2021). Reproducibility of research during COVID-19: Examining the case of population density and the basic reproductive rate from the perspective of spatial analysis [Journal Article]. *Geographical Analysis*. <https://doi.org/10.1111/gean.12307>
2. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Paez, A. (2021). Correlates of bicycling trip flows in hamilton, ontario: Fastest, quietest, or balanced routes? [Journal Article]. *Transportation*. <https://doi.org/10.1007/s11116-021-10197-1>

Journal Articles (Submitted for Publication)

1. Soukhov, A., Páez, A., Higgins, C. D., & Mohamed, M. (2022). Introducing spatial availability, a singly-constrained competitive-access accessibility measure [Journal Article]. *PLoS ONE*.
2. Soukhov, A., & Páez, A. (2022). TTS2016R: A data set to study population and employment patterns from the 2016 transportation tomorrow survey (TTS) in the greater toronto and hamilton area in canada [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.
3. Rey Blanco, D., Arbués, P., López, F. A., & Páez, A. (2022). Using machine learning to identify spatial market segments. A reproducible study of major spanish markets [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.
4. Rey Blanco, D., Arbués, P., López, F. A., & Páez, A. (2022). A geo-referenced micro-data set of real estate listings for spain's three largest cities [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.

5. Merral, J., Higgins, C. D., & Páez, A. (2022). What's a school worth to a neighborhood? A spatial hedonic analysis of property prices in the context of accommodation reviews in ontario [Journal Article]. *Cities*.
6. Jamal, S., & Páez, A. (2022). Well-being implications of immobility during COVID-19: Evidence from a student sample in bangladesh using the satisfaction with life scale [Journal Article]. *Transportation*.
7. Jamal, S., & Páez, A. (2022). Changes in walking frequency and its equity implications during COVID-19 in bangladesh [Journal Article]. *Transportation Research Part D: Transport and Environment*.
8. Jamal, S., & Páez, A. (2022). Exploring modal shift in non-active sustainable modes during the first wave of COVID-19 in bangladesh [Journal Article]. *Transport Policy*.
9. Desjardins, E., Lam, J., Darcy, R., Damian, C., Waygood, O., & Páez, A. (2022). How is active school travel framed in ontario, canada? [Journal Article]. *Social Science & Medicine*.

Unsolicited Advice

- May 20-2022 Polytechnique Montréal
Montréal, Canada
 • Unsolicited Advice, Presenter
- April 4-2022 McMaster University, School of Earth Environment and Society
Hamilton, Canada
 • Unsolicited Advice, Presenter

Invited Talks, Seminars, Workshops, Courses, and Panels

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|------------------|--|--|
| May 19-2022 | Polytechnique Montréal Montréal, Canada | How is active school travel (AST) framed in Montréal? |
| | • Colloque Annuel de la Chaire Mobilité, Presenter | |
| May 4-2022 | Newcastle University Newcastle-upon-Tyne, UK | Mobilizing Justice: Developing Data-Driven Standards |
| | • Invited Seminar, Presenter | |
| May 3-2022 | Alan Turing Institute Newcastle-upon-Tyne, UK | Spatial Data and Analytics |
| | • SAD Interview, Interviewee | |
| March 7-2022 | MacPherson Institute and McMaster University Library Hamilton, Canada | Developing a companion package to support teaching spatial statistics with Introduction to Spatial Data Analysis and Statistics |
| | • Lightning Round: Teaching in the Open at McMaster, Panelist | |
| December 10-2021 | Instituto de Pesquisa Econômica Aplicada Brasilia, Brazil | Introducing Accessibility: A Singly Constrained Measure of Accessibility |
| | • Invited Talk, Speaker | |
| November 29-2021 | Doctorado en Economía Interuniversitario Cartagena, Spain | Investigación Reproductiva |
| | • VI Jornadas de Doctorado y Seminarios Novel, Keynote Speaker | |
| October 28-2021 | MacPherson Institute and McMaster University Library Hamilton, Canada | Creating a Living Textbook for Teaching Spatial Statistics |
| | • Lightning Round: Teaching in the Open at McMaster, Panelist | |
| May 25-2021 | Polytechnique Montréal Montréal, Canada | Examining spatial equity of bike share: A bayesian floating catchment area approach |
| | • Colloque Annuel de la Chaire Mobilité, Presenter | |
| March 17- 2021 | Gran Sasso Science Institute L'Aquila, Italy | What's a school worth to a neighborhood? |
| | • Invited Seminar, Presenter | |
| October 1-2020 | ITE Transportation Research Seminar (McMaster Chapter) Hamilton, Canada | Transportation research seminar |
| | • Invited Talk, Speaker | |
| June 16-2020 | Polytechnique Montréal Montréal, Canada | Using CycleStreets and spatial interaction analysis to infer cycling routes |
| | • Colloque Annuel de la Chaire Mobilité, Presenter | |
| July 9-2019 | TRANSyT, Universidad Politécnica de Madrid Madrid, Spain | Big data and behavioral analysis |
| | • Invited Talk, Speaker | |
| July 8-2019 | Department of Applied Economics, Universidad Autónoma de Madrid Madrid, Spain | Como integrar aprendizaje de máquinas y econometría espacial en el análisis de precios hedónicos: un ejemplo de segmentación espacial de mercados en tres ciudades españolas |
| | • Invited Talk, Speaker | |
| July 1-2019 | Department of Civil, Environmental, and Geomatics Engineering, ETH Zurich Zurich, Switzerland | Accessibility in Infrastructure Poor Regions |
| | • Invited Talk, Speaker | |
| June 6-2019 | Universidad Politécnica de Cartagena Cartagena, Spain | Big data and behavioral analysis |
| | • XXIII Applied Economics Meeting, Keynote Speaker | |
| May 21-2019 | Polytechnique Montréal Montréal, Canada | Cost Functions for Accessibility by Vehicle |

Departmental, Faculty, University Service

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|---------------------------|---|---|
| September 2021-March 2022 | Member | 2022 NSERC CGM-Master Ranking |
| | Faculty of Science, McMaster University | |
| February 2022-March 2022 | Member | 2021 CPN |
| | School of Earth, Environment and Society, McMaster University | |
| February 2020-March 2020 | Member | 2019 CPN |
| | School of Earth, Environment and Society, McMaster University | |
| July 2019-present | Member | Graduate |
| | School of Earth, Environment and Society, McMaster University | |
| February 2019-March 2019 | Member | 2018 CPN |
| | School of Earth, Environment and Society, McMaster University | |
| June 2018-April 2019 | Chair | Search Committee |
| | School of Geography and Earth Sciences, McMaster University | |
| June 2017-May 2018 | Chair | Search Committee Teaching |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2014-July 2015 | Member | Teaching Workload |
| | School of Geography and Earth Sciences, McMaster University | |
| January 2013-July 2013 | Member | University Librarian Search |
| | McMaster University | |
| July 2011-July 2014 | Member | Space |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2010-July 2013 | Member | Tenure and Promotion |
| | Faculty of Science, McMaster University | |
| July 2010-July 2011 | Member | High School and Community Outreach, Publicity |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2009-July 2010 | Member | Building safety |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2007-July 2008 | Member | Space |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2006-July 2008 | Member | Publicity |
| | School of Geography and Earth Sciences, McMaster University | |
| September 2006-April 2007 | Member | Search Committee Ge |
| | School of Geography and Earth Sciences, McMaster University | |
| July 2003-July 2008 | Member | Graduate |
| | School of Geography and Earth Sciences, McMaster University | |
| September 2003-April 2004 | Member | Search Committee Ge |
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