

Antonio Páez

PROFESSOR

School of Earth, Environment and Society
McMaster University
1280 Main St West, Hamilton, Ontario, Canada L8S 1S4
phone: +1 905 525 9140

✉ paezha@mcmaster.ca | 🏠 experts.mcmaster.ca/display/paezha | ☎ 0000-0001-6912-9919 | 📠 2897251 | 📧 paezha | 🌐 paezha

About this CV

This CV was created programmatically using the R statistical language, and it can be accessed in folder 02-rsc-cv of this repository:

<https://github.com/paezha/Official-CV/>

About Me

- I trained in civil engineering before being adopted into geography.
- My areas of interest include transportation, equity, justice, spatial analysis, spatial statistics, travel behavior, and cities.
- Also, too, mathematics, computer languages, science fiction, poetry, and history.
- A 2024 global bibliometric analysis by Research.com of the most influential scholars in the social sciences and humanities (about 16,000 researchers) places me in the **top 3%** of scholars in the world.
- In 2024 I was recognized with the **Edward L. Ullman Award** of the Association of American Geographers for lifelong commitment and contributions to the field of transportation geography.
- In 2010 a research team I led was recognized with the **Meredith F. Burrill Award** of the Association of American Geographers for exceptional work at the intersection of policy and basic research in geography.

Education

Tohoku University

PHD Sendai, Japan
1997-2000
• Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects

Tohoku University

M.Sc. Sendai, Japan
1995-1997
• Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

Instituto Tecnológico y de Estudios Superiores de Monterrey

B.ENG. Monterrey, Mexico
1989-1993

Current Status at McMaster

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

Employment History

ACADEMIC

School of Earth, Society and Environment, McMaster University

PROFESSOR Hamilton, Canada
July 2014-present

School of Geography and Earth Sciences, McMaster University

ASSOCIATE PROFESSOR Hamilton, Canada
July 2007-June 2014

School of Geography and Geology, McMaster University

ASSISTANT PROFESSOR Hamilton, Canada
July 2002-June 2007

Center for Northeast Asian Studies, Tohoku University

RESEARCH FELLOW-LECTURER Sendai, Japan
October 2000-March 2002

INDUSTRY

Consultant (2015 - present) Environics Analytics, Toronto, Canada.

Honours

SCIENTIFIC AWARDS

Edward L. Ullman Award for outstanding contributions to the field of transportation geography	<i>United States</i>
ASSOCIATION OF AMERICAN GEOGRAPHERS	2024
• Antonio Páez	
Outstanding Achievement Award in Humanities and Social Sciences Research (1st Prize)	<i>China</i>
SHAANXI SYSTEM OF UNIVERSITIES	2021
• Li He, Antonio Páez, Jianmin Jiao, Ping An, Chuntian Lu, Wen Mao, and Dongping Long	
Meredith F. Burrill Award for work of exceptional merit and quality at the intersection of basic research in geography and policy implications	<i>United States</i>
ASSOCIATION OF AMERICAN GEOGRAPHERS	2010
• Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda	
Best Presentation Award	<i>Japan</i>
JAPAN SOCIETY OF CIVIL ENGINEERS	2002
• K. Kawai, K. Miyamoto, V. Vichiensan, and Antonio Páez	

VISITING PROFESSORSHIPS

Universidade Federal do ABC	<i>Brazil</i>
VISITING PROFESSORSHIP	2024
Universidad Politécnica de Madrid	<i>Spain</i>
VISITING PROFESSORSHIP	2008

SCHOLARSHIPS

Japanese Ministry of Science, Education and Culture (Monbusho)	<i>Japan</i>
GRADUATE SCHOLARSHIP	October, 1997-September, 2000
Japanese Ministry of Science, Education and Culture (Monbusho)	<i>Japan</i>
GRADUATE SCHOLARSHIP	April, 1995-September, 1997

TRAINEE HONOURS

Elise Desjardins	<i>Winner, Master's Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	2021
Md Moniruzzaman	<i>Young Researcher Award</i>
INTERNATIONAL TRANSPORTATION FORUM	2016
Md Moniruzzaman	<i>Age+ Prize</i>
CANADIAN INSTITUTES FOR HEALTH RESEARCH, INSTITUTE OF AGING	2014
Md Moniruzzaman	<i>Ph.D. Prestige Grant</i>
WORLD CONFERENDE OF TRANSPORT RESEARCH SOCIETY	2013
Md Moniruzzaman	<i>Winner, Master's Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	2012
Steven Farber	<i>Honorable Mention, Ph.D. Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	2011

Editorial

EDITORSHIPS

Editor-in-Chief

JOURNAL OF GEOGRAPHICAL SYSTEMS

January 2008-present

Associate Editor

PAPERS IN REGIONAL SCIENCE

November 2016-August 2019

GUEST EDITORSHIPS

Guest Editor

BECKY LOO, ANTONIO PÁEZ, LONG CHENG, JIAOE WANG

- Elderly's Mobility and the Living Environment

Journal of Transport Geography
Virtual Special Issue

2022

Guest Editor

FRANK GOETZKE, REGINE GERIKE, ANTONIO PÁEZ, ELEENNA DUGUNDJI

- Social interactions in transportation: analyzing groups and spatial networks

Transportation 42 (5)

2015

Guest Editor

DARREN M. SCOTT, ELEENNA DUGUNDJI, ANTONIO PÁEZ

- The Social Dimension of Travel, Activity, and Location Choice Behavior

Journal of Transport Geography 31

2013

Guest Editor

ELEENNA DUGUNDJI, DARREN M. SCOTT, JUAN A. CARRASCO, AND ANTONIO PÁEZ

- Urban mobility and social-spatial interaction

Environment and Planning A 44 (5)

2012

Guest Editor

ELEENNA R. DUGUNDJI, ANTONIO PÁEZ, THEO ARENTZE, JOAN L. WALKER

- Transportation and social interactions

Transportation Research Part A -
Policy and Practice 45 (4)

2011

Guest Editor

TIM SCHWANEN AND ANTONIO PÁEZ

- The Mobility of Older People

Journal of Transport Geography 18
(5)

2010

Guest Editor

STEVEN FARBER AND ANTONIO PÁEZ

- Spatial Analysis in Canada

The Canadian Geographer 54 (1)

2010

Guest Editor

ANTONIO PÁEZ

- Spatial analysis of economic systems and land use change

Papers in Regional Science 88 (2)

2009

Guest Editor

ELEENNA DUGUNDJI, ANTONIO PÁEZ, THEO ARENTZE

- Social networks, choices, mobility, and travel

Environment and Planning B 35 (6)

2008

Guest Editor

ANTONIO PÁEZ

- Spatial Analysis of Urban Systems

Journal of Geographical Systems 9
(1)

2007

EDITORIAL BOARDS

Editorial Board Member

COMPUTERS, ENVIRONMENT, AND URBAN SYSTEMS

January 2012-December 2017

Editorial Board Member

DECISION SUPPORT SYSTEMS

April 2014-March 2017

Editorial Board Member

ECONOMIC AND BUSINESS LETTERS

January 2014-present

Editorial Board Member ENVIRONMENT AND PLANNING A	January 2010-December 2017
Editorial Board Member GEOGRAPHICAL ANALYSIS	2018-present
Editorial Board Member INGENIERÍA DE TRANSPORTE	2015-present
Editorial Board Member INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE	January 2019-present
Editorial Board Member JOURNAL OF TRANSPORT GEOGRAPHY	2018-present
Editorial Board Member OPEN ENVIRONMENTAL JOURNAL	January, 2008-May, 2012
Editorial Board Member OPEN GEOGRAPHY JOURNAL	January, 2008-May, 2012
Editorial Board Member OPEN URBAN STUDIES JOURNAL	January, 2008-May, 2012
Editorial Board Member PAPERS IN REGIONAL SCIENCE	January 2015-December 2020
Editorial Board Member TRANSPORTATION	January 2012-present

Areas of Interest

Transportation; accessibility; equity; justice; spatial data analysis and statistics; transportation modeling; travel behavior; health geography; Geographic Information Systems.

Research Funds

FUNDS AT A GLANCE

The funding total of all projects that I have been part of is CAD 5,572,662. The total in research grants from various organizations, including the Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC), and the Social Sciences and Humanities Research Council of Canada (SSHRC) is CAD 5,545,610. I have also been the recipient of several grants to improve teaching practice, to the total of CAD 18,778. And, I have received numerous travel grants, amounting to CAD 8,274.

My personal share of these funds to date amounts to CAD 1,137,416. The distribution of these funds for research, teaching, and travel, and from various organizations, can be seen in Fig. 1.

DETAILED FUNDS

McMaster University, International Initiatives Micro Fund, Canada ACTIVE SUSTAINABLE TRANSPORTATION: BARRIERS TO CYCLING AMONG UNIVERSITY STUDENTS • Pl: Antonio Paez; team size: 2 researchers	CAD 5,000 2024
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 1,700 2024
MacPherson Institute-McMaster University Libraries, Canada PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	CAD 4,932 2021-2022
Social Sciences and Humanities Research Council, Canada MOBILIZING JUSTICE • Pl: Steven Farber; team size: 10 researchers	CAD 2,498,195 2020-2025

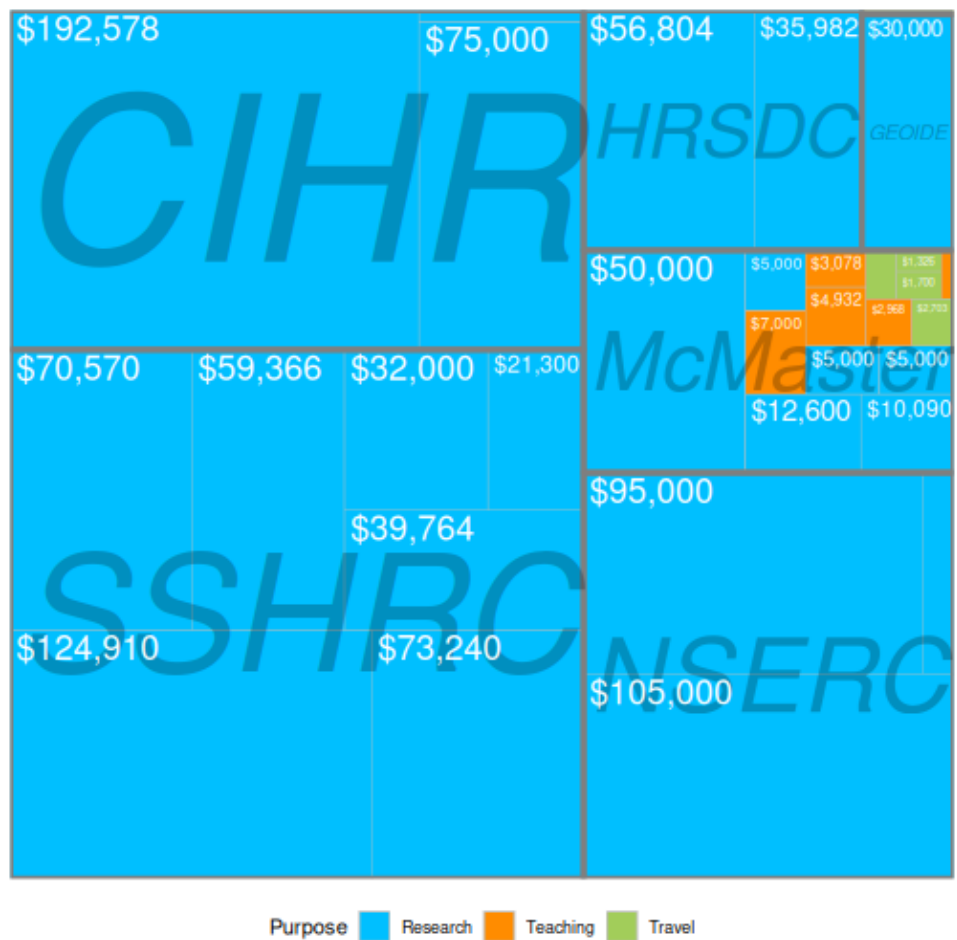


Figure 1: My share of research funds by source

Social Sciences and Humanities Research Council, Canada CHILDREN’S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME) • Pl: E. Owen D. Waygood; team size: 4 researchers	CAD 296,830 2020-2025
MacPherson Institute, Canada USING INTERACTIVE RESOURCES TO TEACH SPATIAL STATISTICS IN A FLIPPED CLASSROOM FORMAT. • Pl: Antonio Paez; team size: 3 researchers	CAD 2,968 2019
McMaster Interdisciplinary Research Fund, Canada EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA • Pl: Antonio Paez; team size: 4 researchers	CAD 42,000 2018-2019
School of Geography and Earth Sciences, Canada IMPROVING TEACHING MATERIALS FOR SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	CAD 7,000 2018
Social Sciences and Humanities Research Council, Canada DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON • Pl: Christopher Higgins; team size: 2 researchers	CAD 49,705 2017-2018
Labrage Optimal Aging Initiative, Canada TECHNOLOGY FOR OPTIMAL AGING: AN EXPLORATORY STUDY OF THE EFFECTS OF AUTOMOBILE INNOVATIONS ON THE LIVED EXPERIENCE OF OLDER DRIVERS, THEIR MOBILITY, AND SOCIAL POLICY • Pl: Amanda Grenier; team size: 4 researchers	CAD 50,449 2014-2015
McMaster University, Canada INCENTIVE FUNDING • Pl: Antonio Paez; team size: 1 researchers	CAD 5,000 2014
Natural Sciences and Engineering Research Council, Canada CRITICAL INFRASTRUCTURE: EVALUATING THE EFFECT OF NETWORK TOPOLOGY AND AUTOCORRELATION • Pl: Antonio Paez; team size: 1 researchers	CAD 95,000 2011-2016
Canadian Institutes of Health Research, Canada ENHANCING THE MOBILITY AND HEALTH OF OLDER ADULTS • Pl: Heather McKay; team size: 6 researchers	CAD 25,000 2011
Canadian Institutes of Health Research, Canada WALK THE TALK: TRANSFORMING THE BUILT ENVIRONMENT TO ENHANCE MOBILITY IN SENIORS • Pl: Heather McKay; team size: 10 researchers	CAD 1,500,000 2010-2016
Canadian Institutes of Health Research, Canada CANADA’S BLOOD FUTURES: GEOGRAPHY, DEMOGRAPHIC CHANGE, AND THE SUPPLY AND DEMAND OF BLOOD IN CANADA • Pl: Antonio Paez; team size: 4 researchers	CAD 240,723 2010-2013
Social Sciences and Humanities Research Council, Canada PARKS, SHOPS, AND FRIENDS: HOW DO THE BUILT AND SOCIAL ENVIRONMENTS INFLUENCE TRAVEL BEHAVIOR? • Pl: Antonio Paez; team size: 2 researchers	CAD 91,550 2010-2012
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 1,326 2010
Human Resources and Social Development Canada, Canada UNDERSTANDING THE TRANSPORTATION SITUATION OF CANADIAN ADULTS WITH DISABILITIES: IDENTIFYING BARRIERS FOR ADULTS WITH DISABILITIES WHO TRAVEL LOCALLY AND LONG-DISTANCE • Pl: Antonio Paez; team size: 3 researchers	CAD 35,982 2009
Social Sciences and Humanities Research Council, Canada UNDERSTANDING BARRIERS TO PARTICIPATION IN SPORT AND OTHER PHYSICAL ACTIVITIES • Pl: Darren M. Scott; team size: 2 researchers	CAD 106,500 2008-2011

Centre for Leadership in Learning McMaster University, Canada DEVELOPING A WEB-BASED SURVEY TO COLLECT STUDENT TRAVEL BEHAVIOR INFORMATION • Pl: Antonio Paez; team size: 1 researchers	CAD 800 2008
North American Regional Science Council, US TRAVEL GRANT • Pl: Antonio Paez; team size: 1 researchers	USD 500 2008
Human Resources and Social Development Canada, Canada SPATIAL MISMATCH IN CANADIAN COMMUNITIES: THE SOCIO-ECONOMIC OUTCOMES OF TRANSPORTATION INFRASTRUCTURE AND ACCESS • Pl: Antonio Paez; team size: 5 researchers	CAD 56,804 2008
Social Sciences and Humanities Research Council, Canada BLOOD DONOR RESEARCH: INDIVIDUAL DETERMINANTS AND GEOGRAPHICAL PROFILE OF BLOOD DONORS • Pl: Antonio Paez; team size: 3 researchers	CAD 40,000 2007-2008
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 2,045 2007
Social Sciences and Humanities Research Council, Canada SOCIAL INFLUENCE ON TRAVEL BEHAVIOR: A CASE STUDY OF THE DECISION TO TELECOMMUTE • Pl: Antonio Paez; team size: 2 researchers	CAD 88,212 2005-2007
Natural Sciences and Engineering Research Council, Canada INTERNATIONAL WORKSHOP FRONTIERS IN TRANSPORTATION: SOCIAL AND SPATIAL INTERACTIONS • Pl: Antonio Paez; team size: 4 researchers	CAD 8,660 2005
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 2,703 2005
McMaster University, Canada INCENTIVE FUNDING • Pl: Antonio Paez; team size: 1 researchers	CAD 5,000 2004
Centre for Leadership in Learning McMaster University, Canada USING SPREADSHEETS AND GRAPHICS TO IMPROVE MATHEMATICAL INTUITION IN GEOGRAPHICAL PROBLEM SOLVING: THE CASE OF LOCATIONAL ANALYSIS • Pl: Antonio Paez; team size: 1 researchers	CAD 3,078 2004
Natural Sciences and Engineering Research Council, Canada MODELING CONTINUOUS-SPACE CONTEXTUAL EFFECTS IN TRANSPORTATION SYSTEMS • Pl: Antonio Paez; team size: 1 researchers	CAD 105,000 2003-2007
Geomatics for Informed Decisions (GEOIDE), Canada TRANSPORTATION IMPLICATIONS OF CANADA'S AGING SOCIETY • Pl: Darren M. Scott; team size: 6 researchers	CAD 150,000 2003-2004
McMaster University, Canada START-UP FUNDS • Pl: Antonio Paez; team size: 1 researchers	CAD 50,000 2002

Research Impact

Fig. 2 gives a summary of my research impact according to Google Scholar. As of Nov, 2024, my research has been cited a total of 12,716 times, and my h-index is 58. The i10-index indicates that 132, or approximately 62% of my publications have been cited ten times or more.

The impact of my work can also be appreciated by the breadth of the fields in which it is cited. According to Web of Science (Fig. 3), my research is cited by scholars in numerous disciplines, notably in Transportation, Environmental Science/Studies, Geography, Economics, and Urban Studies. My publications have been cited by researchers in

more than 100 countries; as seen in Fig. 5, most citations to my work are by researchers in the United States, China, Canada, England, and Spain.

Lastly, my work has contributed to inform research that aligns with the United Nations Sustainable Development Goals (see Fig. 4), particularly goals 11 Sustainable Cities And Communities, 03 Good Health And Well Being, 13 Climate Action, 15 Life On Land, and 16 Peace And Justice Strong Institutions.

Combined with the level of funding described above, the cost-effect of my research is approximately CAD 7,154 per peer-reviewed article (excluding book chapters, edited books, books, and conference presentations). To put this number in context, this is equivalent to 54% of a one-year graduate research assistantship at my institution. In terms of impact, the cost-effect of my research is CAD 89 per citation.

Policy Impact

In addition to the scholarly impact of my research, my work has helped to inform policy. According to an analysis of policy impact using data from Overton.io¹, I am in the top 2% of all researchers at McMaster in terms of citations in policy documents. When we consider active researchers in the social sciences, I am the fifth scholar at McMaster most cited scholar in policy documents, after Prof. Michael R. Veall (Dept. of Economics), Prof. Magdalena Janus (Faculty of Health Sciences), Prof. Arthur Sweet (Dept. of Economics), and Prof. Bruce Newbold (School of Earth, Environment and Society).

The impact of my research on policy is reflected in citations in multiple languages, including English, Estonian, French, Portuguese, and Spanish. The international reach of this impact can be appreciated in Fig. 6, where it can be seen the source countries of documents that cite my work. These countries include Canada, US, Mexico, Brazil, several European countries, Australia, and New Zealand. Besides governments at various levels in said countries, numerous International Government Organizations also refer to my work in their policy documents, including the European Union, OECD, the World Health Organization, the Pan American Health Organization, the World Bank, the Inter-American Development Bank, the International Transport Forum, and the Global Commission on the Economy and Climate. Think tanks that cite my research in policy documents include IPEA (Brazil), the Lincoln Institute (US), MOTU (New Zealand), and DIW (Germany).

The distribution of citations in policy documents is more or less evenly distributed between governments and International Government Organizations (IGOs), and is also cited by think tanks, as seen in Fig. 7.

Analysis of policy documents that cite my research identifies the main topics where my work has been influential. In Fig. 8 we can see the wide-range of topics, from the economy and transportation, to air pollution and food security. The topics that my research is found more than expected relate to cycling, bus and rapid transit, accessibility, and public transport.

Publications

It is conventional in my fields of expertise to list authors in order of their contributions. The first and second authors are credited with doing a majority of the work. The exception to this general rule is when the last author is the senior author and has provided, in addition to other contributions, supervisory support to the rest of the team.

PUBLICATIONS AT A GLANCE

Table 1 provides some key information about my publication record. In addition to the items listed there, I am co-editor of 3 edited books. Fig. 9 maps the relationship between key topics in my peer-reviewed publications, based on keywords of the documents. Fig. 10 maps my international research collaborations.

Table 1: Bibliography at a glance

Type	No. of Items	Mean No. Authors	Max. No. Authors	Single Author	First Author	Second Author	Senior Author	Other Author
Books	2	1.50	2	1 (50%)	1 (50%)	0 (0%)	0 (0%)	0 (0%)
Book chapters	9	3.00	4	1 (11%)	4 (44%)	2 (22.22%)	2 (22.22%)	0 (0%)
Peer reviewed articles	159	3.36	7	12 (8%)	34 (21%)	61 (38%)	32 (20%)	20 (13%)
Peer reviewed conference presentations	43	3.65	6	2 (5%)	10 (23%)	19 (44%)	4 (9%)	8 (19%)

¹Analysis done on September 17, 2024

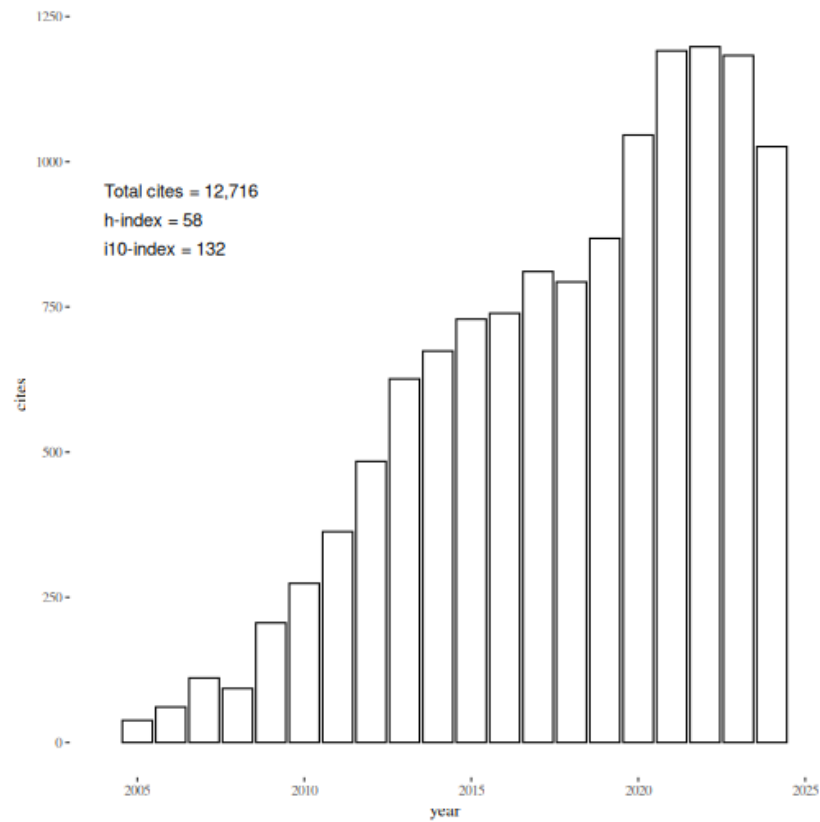


Figure 2: Citations per year (data from Google Scholar)

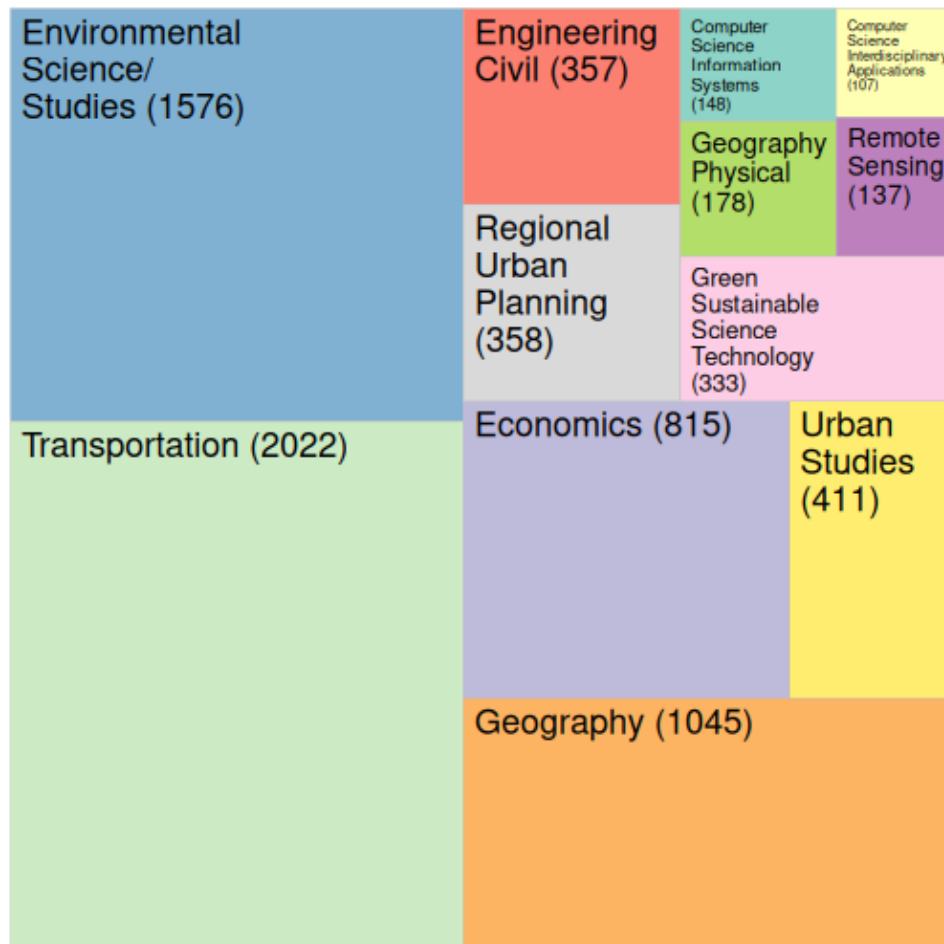


Figure 3: Citations by field (data from Web of Science)

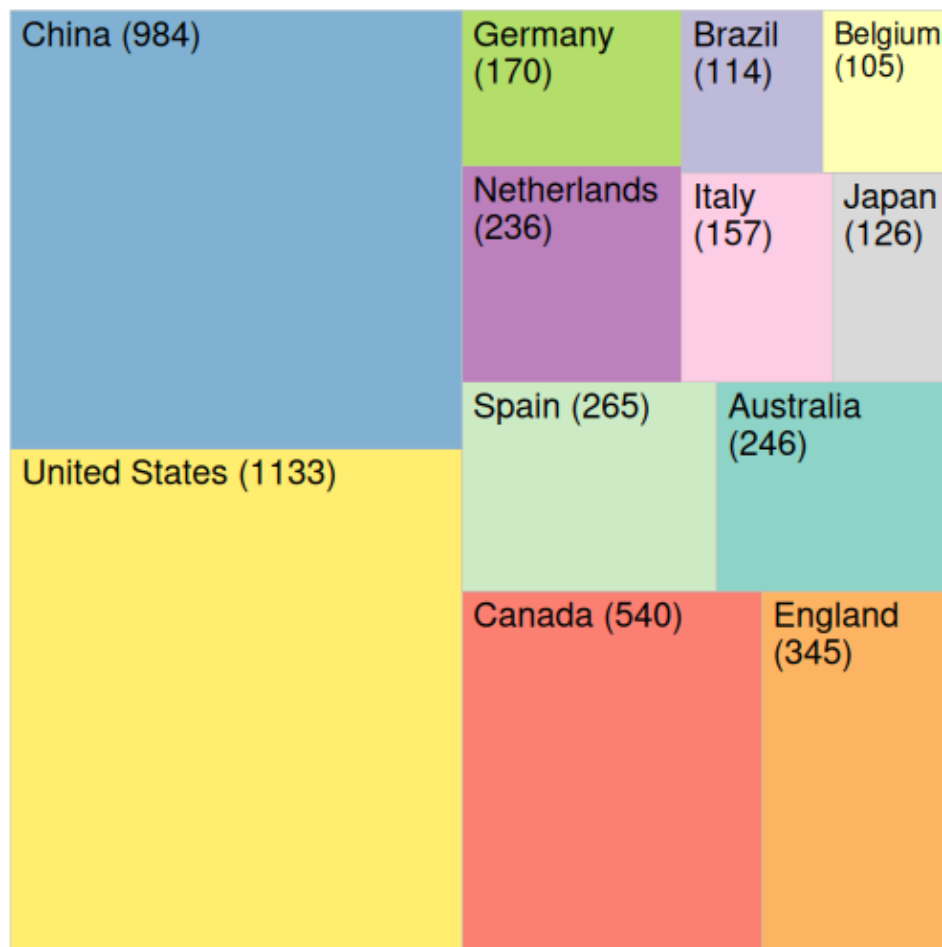


Figure 4: Citations by country (data from Web of Science)

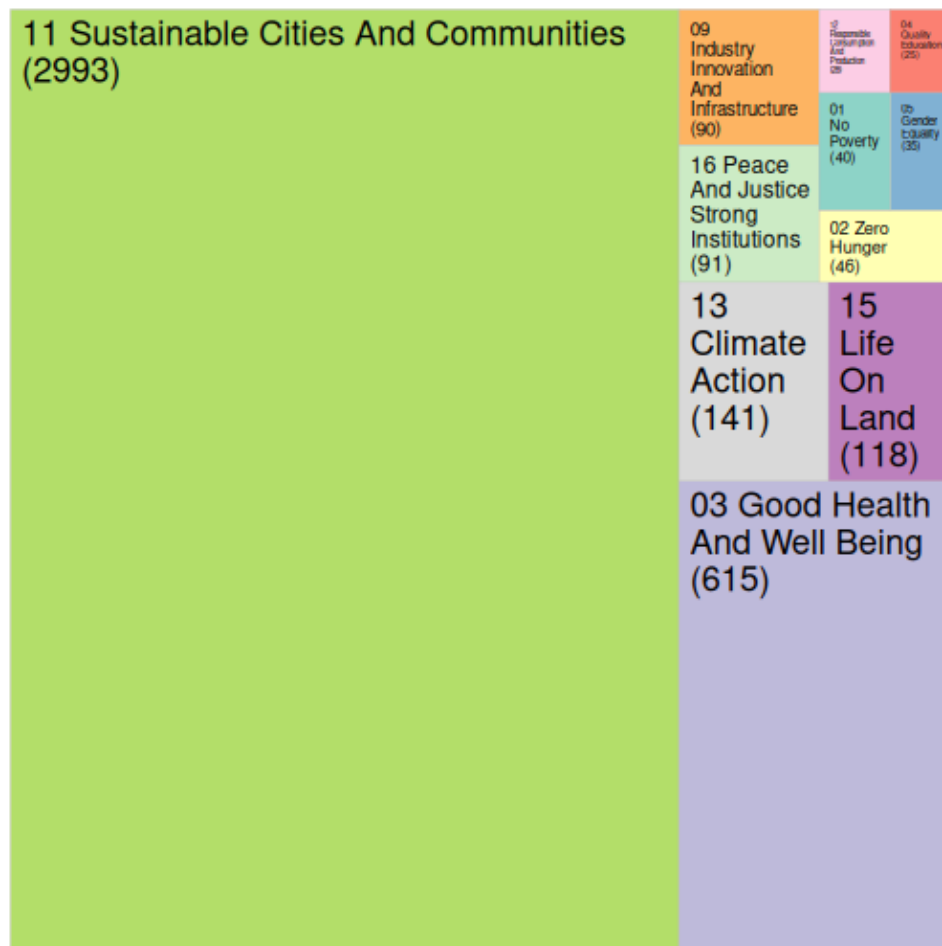


Figure 5: Citations by Sustainable Development Goal (data from Web of Science)



Figure 6: Countries where policy documents reference my research

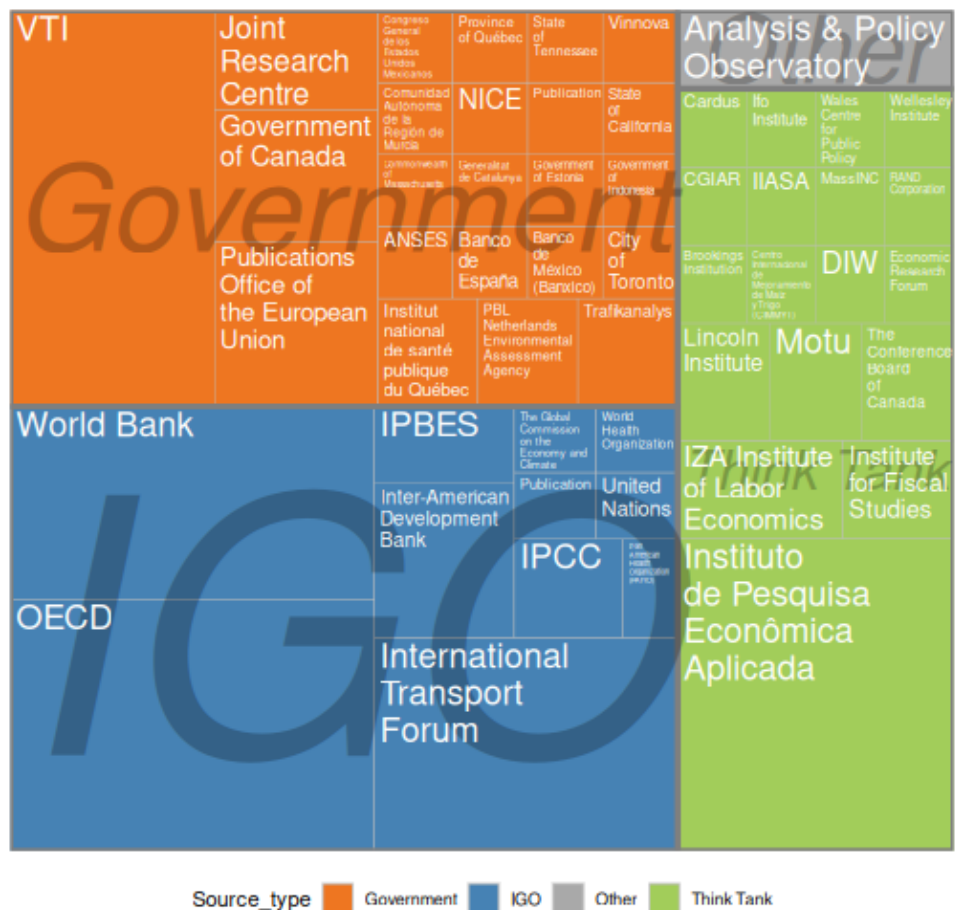


Figure 7: Policy sources that cite my research

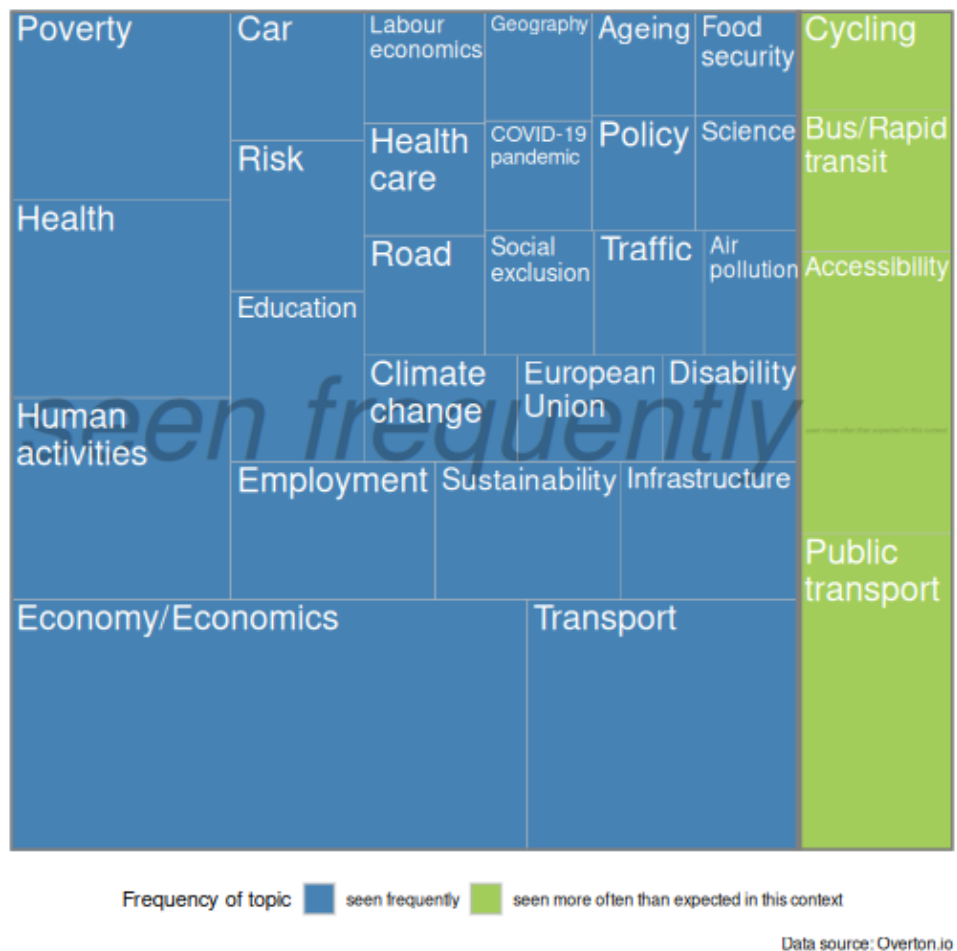
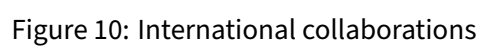
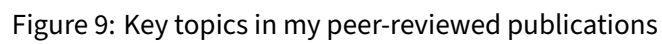


Figure 8: Policy topics informed by my research



BOOKS

1. Páez, A. (2024). *An introduction to spatial data analysis and statistics: A course in R*. <https://doi.org/10.5281/zenodo.5155983>
2. Páez, A., & Boisjoly, G. (2023). *Discrete choice analysis with R*. Springer Cham. <https://doi.org/10.1007/978-3-031-20719-8>

EDITED BOOKS

1. Franklin, R. S., Leeuwen, E. S. van, & Páez, 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

1. Barbosa, E., Féres, J., Haddad, E., & Páez, A. (2020). Climate change and land use pattern in brazil. In J.-C. Thill (Ed.), *Innovations in urban and regional systems: Contributions from GIS&t, spatial analysis and location modeling* (pp. 443–472). Springer International Publishing. https://doi.org/10.1007/978-3-030-43694-0_20
2. Franklin, R. S., Leeuwen, E. S. van, & Páez, A. (2018). *Transportation where people leave: An introduction* (Vol. 2, pp. 1–14). www.scopus.com
3. Páez, A., López-Hernández, F. A., Ortega-García, J. A., & Ruiz, M. (2016). *Clustering and co-occurrence of cancer types: A comparison of techniques with an application to pediatric cancer in Murcia, Spain* (pp. 47–68). www.scopus.com
4. Páez, A. (2016). *Access and social complexity: Identifying and managing access requirements across social groups and across the world* (pp. 190–217). www.scopus.com
5. Páez, A., Hernández, F. A. L., Ruiz, M., & Logan, J. (2014). *Micro-geography of segregation: Evidence from historical US census data* (pp. 91–110). www.scopus.com
6. Mur, J., & Páez, A. (2012). *Local weighting matrices or the necessity of flexibility* (Vol. 75, pp. 193–212). www.scopus.com
7. Páez, A., Le Gallo, J., Buliung, R. N., & Dall'Erba, S. (2010). *Progress in spatial analysis: introduction* (Vol. 63, pp. 1–13). www.scopus.com
8. Farber, S., Páez, A., & Volz, E. (2010). *Topology, dependency tests and estimation bias in network autoregressive models* (Vol. 63, pp. 29–57). www.scopus.com
9. Páez, A., & Wheeler, D. C. (2009). *Geographically weighted regression* (pp. 407–414). www.scopus.com

REPORTS

1. Soukhov, A., & Páez, A. (2024). *Accessibility analysis for planning applications* (MJ-A2-0002). Mobilizing Justice. <https://github.com/soukhova/MJ-Accessibility-Blogs>
2. Soukhov, A., Tiznado-Aitken, I., Palm, M., Farber, S., & Páez, A. (2023). *Searching for standards of fairness in the transportation justice literature* (MJ-0001). Mobilizing Justice. <https://example.com/summarizing-output>
3. Steven, & Páez, A. (2010). *Understanding the transportation situation of canadian adults with disabilities*. Human Resources; Social Development Canada. https://www.researchgate.net/profile/Steven-Farber-2/publication/254608932_Participation_and_desire_leisure_activities_among_Canadian_adults_with_disabilities/links/00463528d2c12cafd9000000/Participation-and-desire-leisure-activities-among-Canadian-adults-with-disabilities.pdf

4. Steven, Páez, A., Mercado, R. G., Farber, S., Morency, C., & Roorda, M. (2009). *Mobility and social exclusion in canadian communities: An empirical investigation of opportunity access and deprivation from the perspective of vulnerable groups*. Human Resources; Social Development Canada. https://www.researchgate.net/profile/Catherine-Morency/publication/233997689_Mobility_and_Social_Exclusion_in_Canadian_Communities_An_Empirical_Investigation_of_Opportunity_Access_and_Deprivation/links/54f066980cf25f74d7267b6f/Mobility-and-Social-Exclusion-in-Canadian-Communities-An-Empirical-Investigation-of-Opportunity.pdf

PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)

1. Elizondo-Candanedo, R. F., Arranz-López, A., Soria-Lara, J. A., & Páez, A. (2024). When e-activities meet spatial accessibility: A theoretical framework and empirical space-time thresholds for simulated spatial settings. *Journal of Transport Geography*, 121, 104026. <https://doi.org/10.1016/j.jtrangeo.2024.104026>
2. Tavakoli, Z., Waygood, O., Abdollahi, S., & Paez, A. (2024). “Where Do Children Go?”: Exploring Children’s Daily Destinations With Children, Parents, and Experts. *Urban Planning*, 9(0). <https://doi.org/10.17645/up.8478>
3. Tavakoli, Z., Abdollahi, S., Waygood, E. O. D., Páez, A., & Boisjoly, G. (2024). Traffic danger’s potential impact on children’s accessibility. *Transportation Research Part D: Transport and Environment*, 135, 104370. <https://doi.org/10.1016/j.trd.2024.104370>
4. Jamal, S., & Paez, A. (2024). Well-being implications of immobility during COVID-19: Evidence from a student sample in Bangladesh using the satisfaction with life scale. *Transportation*, 51(5), 2019–2049. <https://doi.org/10.1007/s11116-023-10395-z>
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PEER-REVIEWED JOURNAL ARTICLES (ACCEPTED FOR PUBLICATION IN FINAL FORM)

PEER-REVIEWED JOURNAL ARTICLES (SUBMITTED FOR PUBLICATION)

1. Soukhov, A., Ravensbergen, L., Mejía Dorantes, L., & Páez, A. (2024). Towards completely caring 15-minute neighbourhoods [Journal Article]. *Transportation Research Part A: Policy and Practice*.
2. Soukhov, A., Higgins, C. D., Mohamed, M., & Páez, A. (2024). School closures and consolidations: The active travel and emission implications of reduced accessibility [Journal Article]. *Spatial Networks and Economics*.
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7. Elizondo-Candanedo, R., Arranz-López, A., López-Lambas, M. E., Soria-Lara, J., & Páez, A. (2024). Introducing augmented accessibility: Space-time thresholds for hybrid environments [Journal Article]. *Transportation Research Record*.

WORK IN PROGRESS

1. Soukhov, A., & Páez, A. (2024). *Student perspectives on the use of reflection in a multidisciplinary statistics course* [Manuscript in preparation].
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PEER-REVIEWED CONFERENCE PRESENTATIONS

1. Jamal, S., & Páez, A. (2024). Equity implications of changes in walking frequency in Bangladesh during COVID-19. *17th International Conference on Travel Behavior Research*.
2. Santos, B. D. dos, Azevedo, M. N. de, Kanzato, L. A. B., Pinho, C. M. D. de, Páez, A., & Amaral, S. (2023). CBERS-4A IMAGERY FOR MAPPING URBAN LAND COVER IN THE AMAZON. *Proceedings of the Anais Do XX Simpósio Brasileiro de Sensoriamento Remoto, Florianópolis, Brazil*, 2169–2172.
3. Santos, B. D. dos, Amaral, S., Páez, A., & Pinho, C. M. D. de. (2023). A GEOGRAPHICAL DATABASE FOR EVICTIONS AND THREATS OF INVOLUNTARY URBAN EVICTIONS PATTERNS. *Proceedings of the Anais Do XX Simpósio Brasileiro de Sensoriamento Remoto, Florianópolis, Brazil*, 1866–1869.
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5. Dam, I., Scott, D., Páez, A., & Wilton, R. (2010). Exploring factors underlying the decision to telework. *89th Annual Meeting of the Transportation Research Board*.
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9. Reyes, M., Páez, A., & Morency, C. (2013). Accessibility to urban parks in montreal from the perspective of children. *92nd Annual Meeting of the Transportation Research Board*.
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38. Páez, A., Potoglou, D., Scott, D., Kanaroglou, P., & Newbold, K. (2005). The spatial analysis of trip generation: A case study of the hamilton CMA. *10th Conference on Computers in Urban Planning and Urban Management*.
39. Páez, A. (2004). Development of a binary probit model for continuous-space contextual effects. *10th World Conference for Transport Research*.
40. Vichiensan, V., Páez, A., & Miyamoto, K. (2003). Improvement of data accuracy in urban modeling by nonstationary interpolation method. *9th Conference on Computers in Urban Planning and Urban Management*.
41. Páez, A. (2003). Spatial statistics for urban analysis: A review of new techniques with examples. *9th Conference on Computers in Urban Planning and Urban Management*.

42. Páez, A., Suthanaya, P., & Black, J. (2001). A spatial analysis of transportation mode-specific journey-to-work commuting preferences: Implications for sustainable transport policies. *9th World Conference for Transport Research*.

NON-PEER-REVIEWED CONFERENCE PRESENTATIONS

Number of lifetime non-peer-reviewed conference presentations is 103.

Knowledge Mobilization Activities

Introducing spatial availability, a singly-constrained accessibility measure

ASIAN GEOGRAPHICAL ASSOCIATION WITH INTERNATIONAL GEOGRAPHICAL UNION AND GEOGRAPHICAL SOCIETY OF CHINA

- Workshop, Instructor

Yuxi City, China

December 1-2024

Introducing spatial availability, a singly-constrained accessibility measure

BOKU UNIVERSITY

- Workshop, Instructor

Vienna, Austria

July 16-2024

An introduction to exploratory data analysis in R

UNIVERSIDADE FEDERAL DO ABC

- Workshop, Instructor

São Paulo, Brazil

June 10-15-2024

Applied accessibility analysis using FOSS

TRANSPORTATION SERVICES, CITY OF TORONTO

- Workshop, Instructor

Toronto, Canada

May 28-2024

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Workshop, Presenter

Hamilton, Canada

April 15-2024

Collaborative Reproducible Research using R and GitHub Illustrated with a Spatial Analysis Project

BUSINESS DATA ANALYTICS, THE UNIVERSITY OF WESTERN AUSTRALIA

- Workshop, Instructor

Perth, Australia

March 20 and 22-2024

Introducing spatial availability, a singly-constrained accessibility measure

KARLSRUHE INSTITUTE OF TECHNOLOGY-ITAS

- Workshop, Instructor

Karlsruhe, Germany

February 20-2024

Introducing spatial availability, a singly-constrained accessibility measure

POLYTECHIQUE MONTRÉAL

- Workshop, Instructor

Montréal, Canada

October 7-2023

Workshop: Writing a McMaster thesis with R, markdown, and macdown

MCMASTER UNIVERSITY

- Workshop, Instructor

Hamilton, Canada

April 14 and 21-2023

An introduction to exploratory data analysis in R

ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA IN RIMINI

- Workshop, Instructor

Rimini, Italy

November 14, 17, and 18-2022

An introduction to exploratory data analysis in R

GRAN SASSO SCIENCE INSTITUTE

- Workshop, Instructor

L'Aquila, Italy

June 10, 20, 24, 27 and 29-2022

Accessibility and Threshold Selection

POLYTECHIQUE MONTRÉAL

- Workshop, Presenter

Montréal, Canada

May 20-2022

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Workshop, Presenter

Hamilton, Canada

April 4-2022

Methodology: spatial statistics with R GRAN SASSO SCIENCE INSTITUTE • Workshop, Instructor	<i>L'Aquila, Italy</i> March 12 to 14-2018
Exploratory spatial data analysis of categorical data REGIONAL SCIENCE ASSOCIATION INTERNATIONAL-GRAN SASSO SCIENCE INSTITUTE SUMMER SCHOOL • Workshop, Instructor	<i>L'Aquila, Italy</i> July 3 to 4-2017
Selected topics in spatial analysis THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL • Workshop, Instructor	<i>Perth, Australia</i> December 12 to 17-2014
Econometric techniques for urban transport and land use analysis DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL • Workshop, Instructor	<i>Montréal, Canada</i> February 9 to 12-2009
Selected topics in spatial analysis UNIVERSIDADE DE SÃO PAULO • Workshop, Instructor	<i>São Paulo, Brazil</i> October 23 and 30-2008

Invited Talks, Seminars, and Panels

LIFETIME TALKS, SEMINARS, AND PANELS

My lifetime number of talks is 124.

DETAILS

Open Science for Young Geographers ASIAN GEOGRAPHICAL ASSOCIATION WITH INTERNATIONAL GEOGRAPHICAL UNION AND GEOGRAPHICAL SOCIETY OF CHINA • Fourth Workshop of Asian Young Geographer, Keynote Speaker	<i>Yuxi City, China</i> November 29-2024
Open Educational Resources: What, Why and How? SCHOOL OF GEOGRAPHY AND LAND ENGINEERING, YUXI NORMAL UNIVERSITY • Invited Talk, Speaker	<i>Yuxi City, China</i> November 28-2024
Equidad y Transporte UNIVERSIDAD COMPLUTENSE DE MADRID • Invited Talk, Speaker	<i>Madrid, Spain</i> October 22-2024
Ciencia Abierta para Jóvenes Transportistas TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID • Invited Talk, Speaker	<i>Madrid, Spain</i> October 16-2024
Principles of spatial interaction CIV TECH 3TP3, MCMASTER UNIVERSITY • Invited Talk, Speaker	<i>Hamilton, Canada</i> June 24-2024
Just transportation UNIVERSIDADE DE SÃO PAULO • Invited Talk, Speaker	<i>São Paulo, Brazil</i> June 19-2024
Ciência Aberta para Todos UNIVERSIDADE FEDERAL DO ABC • Invited Talk, Speaker	<i>São Paulo, Brazil</i> June 18-2024
Hägerstrand meets big data: time-geography in the age of mobility analytics UNIVERSIDADE FEDERAL DO ABC • Invited Talk, Speaker	<i>São Paulo, Brazil</i> June 6-2024
Just transportation POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> June 3-2024

Hägerstrand meets big data: time-geography in the age of mobility analytics

PLANNING AND TRANSPORT RESEARCH CENTRE, THE UNIVERSITY OF WESTERN AUSTRALIA

- John Taplin Memorial Lecture, Keynote Speaker

Perth, Australia

March 21-2024

Teaching applied spatial statistics: Using open educational and reproducible resources

McMASTER UNIVERSITY

- Innovations in Education Conference, Co-presenter

Hamilton, Canada

December 7-2023

Hägerstrand meets big data: time-geography in the age of mobility analytics

INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

- GEOINFO 2023, Keynote Speaker

São José dos Campos, Brazil

December 4-2023

Open Science for All

McMASTER REPRODUCIBILITIES

- Invited Talk, Speaker

Hamilton, Canada

October 17-2023

Ciencia Abierta para Todos (Open Science for All)

UNIVERSIDAD DE MURCIA

- VIII Jornadas Doctorales, Keynote Speaker

Murcia, Spain

June 27-2023

Reality or wishful thinking: Network attributes of 15-minute neighbourhoods

UNIVERSIDADE DE COIMBRA

- NECTAR Joint Workshop Clusters 6 and 7 on Urban and Transport Planning for Sustainable Urban Living, Presenter

Coimbra, Portugal

June 22-2023

Profiling the 15-min pedshed from the perspective of network attributes

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 14-2023

Open Educational Resources: What, Why and How?

UNIVERSIDAD COMPLUTENSE DE MADRID

- Invited Talk, Presenter

Madrid, Spain

June 12-2023

Using computational notebooks to teach spatial statistics: the McMaster experience

JEAN PAELINCK WORKSHOP

- Invited Talk, Co-presenter

Cartagena, Spain

April 21-2023

How is active school travel (AST) framed in Ontario

NEW YORK UNIVERSITY, CENTER FOR URBAN SCIENCE AND PROGRESS

- Invited Seminar, Presenter

New York City

April 7-2023

Spatial availability: a way to measure accessibility to competitive opportunities

NORTHERN ILLINOIS UNIVERSITY

- Invited Seminar, Presenter

DeKalb, Illinois, USA

February 17-2023

Reproducible Research Workflow

RESEARCH DATA MANAGEMENT COMMUNITY OF PRACTICE - McMASTER UNIVERSITY

- Invited Talk, Speaker

Hamilton, Canada

January 26-2023

Framing Active School Travel in Ontario, Canada

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 19-2022

Mobilizing Justice: Developing Data-Driven Equity Standards

NEWCASTLE UNIVERSITY

- Invited Seminar, Presenter

Newcastle-upon-Tyne, UK

May 4-2022

Spatial Data and Analytics

ALAN TURING INSTITUTE

- SAD Interview, Interviewee

Newcastle-upon-Tyne, UK

May 3-2022

Developing a companion package to support teaching spatial statistics

MACPHERSON INSTITUTE AND McMASTER UNIVERSITY LIBRARY

- Lightning Round: Teaching in the Open at McMaster, Panelist

Hamilton, Canada

March 7-2022

Introducing Spatial Availability: A Singly Constrained Measure of Accessibility

INSTITUTO DE PESQUISA ECONÔMICA APLICADA

- Invited Talk, Speaker

Brasília, Brazil

December 10-2021

Investigación Reproducible

DOCTORADO EN ECONOMÍA INTERUNIVERSITARIO

- VI Jornadas de Doctorado y Seminarios Novel, Keynote Speaker

Cartagena, Spain

November 29-2021

Using R to develop open-source course packages with computational notebooks: an example of transportation geography

McMASTER UNIVERSITY

- Innovations in Education Conference, Presenter

Hamilton, Canada

December 9-2021

Creation of a Living Textbook for Teaching Spatial Statistics

MACPHERSON INSTITUTE AND McMASTER UNIVERSITY LIBRARY

- Lightning Round: Teaching in the Open at McMaster, Panelist

Hamilton, Canada

October 28-2021

Examining spatial equity of bike share: A balanced floating catchment area approach

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 25-2021

What's a school worth to a neighborhood

GRAN SASSO SCIENCE INSTITUTE

- Invited Seminar, Presenter

L'Aquila, Italy

March 17- 2021

Transportation research seminar

ITE TRANSPORTATION RESEARCH SEMINAR (McMASTER CHAPTER)

- Invited Talk, Speaker

Hamilton, Canada

October 1-2020

Using CycleStreets and spatial interaction analysis to infer cycling routes

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 16-2020

Big data and behavioral analysis

TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 9-2019

Como integrar aprendizaje de máquinas y econometría espacial para el análisis de precios hedónicos: un ejemplo de segmentación espacial de mercados en tres ciudades españolas

DEPARTMENT OF APPLIED ECONOMICS, UNIVERSIDAD AUTÓNOMA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 8-2019

Accessibility in Infrastructure Poor Regions

DEPARTMENT OF CIVIL, ENVIRONMENTAL, AND GEOMATICS ENGINEERING, ETH ZURICH

- Invited Talk, Speaker

Zurich, Switzerland

July 1-2019

Big data and behavioral analysis

UNIVERSIDAD POLITÉCNICA DE CARTAGENA

- XXIII Applied Economics Meeting, Keynote Speaker

Cartagena, Spain

June 6-2019

Cost Functions for Accessibility by Walking

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 21-2019

McMaster Research Data Forum

McMASTER LIBRARY, RHPCS, MacDATA, AND THE TIER 3 RESEARCH DATA MANAGEMENT IT COMMITTEE

- McMaster Research Data Forum, Panelist

Hamilton, Canada

December 18-2018

Accesibilidad a los servicios de salud

DEPARTMENT OF GEOGRAPHY, UNIVERSIDAD COMPLUTENSE DE MADRID

- Invited Talk, Speaker

Madrid, Spain

June 5-2018

Developing Dashboards to Communicate Transportation Information POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> May 23-2018
Travel and Time Poverty among Canadian Single Parent Households UNIVERSITY OF TORONTO • CIHR Workshop: Considering the role of Time Pressure and Geography In Food Shopping and dietary behaviours, Speaker	<i>Toronto, Canada</i> October 26-2017
Built environment and violent crime: An environmental audit approach using Google Street View DEPARTMENT OF LAND ECONOMY, UNIVERSITY OF CAMBRIDGE • Invited Talk, Speaker	<i>Cambridge, UK</i> October 11-2017
A simple indicator for inequality analysis in activity/travel behavior BARTLETT SCHOOL OF PLANNING, UNIVERSITY COLLEGE LONDON • Invited Talk, Speaker	<i>London, UK</i> October 9-2017
Spatial Clustering of Traveller Attitudinal Profiles POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> May 12-2017
Mode Use Propensity by Attitudinal and Spatial Cluster: An Exploratory Analysis ECOLE SUPERIEURE D'AMENAGEMENT DU TERRITOIRE ET DE DEVELOPPEMENT REGIONAL, LAVAL UNIVERSITY • Invited Talk, Speaker	<i>Quebec, Canada</i> April 19-2017
Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering Time-Use Patterns CENTRO DE DESARROLLO SUSTENTABLE UNIVERSIDAD DE CONCEPCIÓN • Invited Talk, Speaker	<i>Concepción, Chile</i> March 6-2017
Indicators for inequality analysis in activity/travel behavior TRANSPORT EQUITY ANALYSIS COST ACTION • Invited Seminar, Presenter	<i>Thessaloniki, Greece</i> May 6-2015
Accessible Accessibility Research Challenges ASSOCIATION OF AMERICAN GEOGRAPHERS • Fleming Lecture in Transport Geography (Prof. Bert van Wee), Discussant	<i>Chicago, USA</i> April 23-2015
Transportation and Spatial Analysis DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA SANTA BARBARA • Invited Talk, Speaker	<i>Santa Barbara, USA</i> January 29-2015
In the Beginning There was Transportation (There was also GIS) SCHOOL OF GEOGRAPHY, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF BIRMINGHAM • Invited Seminar, Presenter	<i>Birmingham, UK</i> January 12-2015
Mobility for sustainable communities THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> December 15-2014
Mobility-based geodemographics THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> December 10-2014
Mapping traveler attitudes: Does space matter? DEPARTMENT OF SPATIAL SCIENCES, CURTIN UNIVERSITY • Invited Talk, Speaker	<i>Perth, Australia</i> December 8-2014
An investigation of the attributes of walkable environments from the perspective of seniors in Montréal INSTITUTE OF TRANSPORT GEOGRAPHY AND SPATIAL PLANNING, SHAANXI NORMAL UNIVERSITY • Workshop Low-Carbon Cities: Land Use and Transportation Intervention, Speaker	<i>Xi'an, China</i> June 11-2014

Using spatial analysis to support site selection for field work: The case of walkability audits

Dallas, USA

SCHOOL OF ECONOMIC, POLITICAL AND POLICY SCIENCES, UNIVERSITY OF TEXAS AT DALLAS

May 26-2014

- Invited Talk, Speaker

An investigation of the attributes of walkable environments from the perspective of seniors in Montréal

Montréal, Canada

POLYTECHIQUE MONTRÉAL

May 13-2014

- Colloque Annuel de la Chaire Mobilité, Presenter

Mobility and the potential for social contact among children in Montréal

Utrecht, The Netherlands

UNIVERSITY OF UTRECHT

March 21-2014

- Living in Enclave Cities: Towards Mobility-Based Perspectives on Urban Segregation, Speaker

Contribuciones de las geotecnologías y análisis espacial al estudio de sistemas de transporte

Monterrey, Mexico

DEPARTMENT OF CIVIL ENGINEERING, INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY

February 18-2014

- Invited Talk, Speaker

Accounting for facility congestion using individual-based estimates of accessibility

Sevilla, Spain

INSTITUTE FOR PROSPECTIVE TECHNOLOGICAL STUDIES, EUROPEAN COMMISSION

February 6-2014

- NECTAR Cluster 6 Meeting, Speaker

The Next 50 Years in Travel Analysis: What We Don't Know but Need to Know

Washington, D.C., USA

93RD ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD

January 12-2014

- Panel Session, Panelist

Special Topics in Spatial Analysis

Recife, Brazil

UNIVERSIDADE FEDERAL DE PERNAMBUCO

July 8 to 12-2013

- Invited Seminar, Instructor

Mobility for Sustainable Communities

Hamilton, Canada

SHAD VALLEY MCMASTER

July 4-2013

- Invited Talk, Speaker

In the Beginning There was Transportation (There was also GIS)

Aberdeen, UK

SCHOOL OF GEOSCIENCES, UNIVERSITY OF ABERDEEN

May 20-2013

- Invited Talk, Speaker

Mapping Traveler Attitudes: Does Space Matter?

Montréal, Canada

POLYTECHIQUE MONTRÉAL

May 13-2013

- Colloque Annuel de la Chaire Mobilité, Presenter

Driving out of choices: An investigation of transport modality in a university sample

Salt Lake City, USA

DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF UTAH

March 29-2013

- Invited Talk, Speaker

Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering time-use patterns

Hamilton, Canada

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

February 4-2013

- Invited Seminar, Presenter

Web-based accessibility calculator for Montréal

Montréal, Canada

POLYTECHIQUE MONTRÉAL

May 23-2012

- Colloque Annuel de la Chaire Mobilité, Presenter

Desarrollo de un indicador de ajuste espacial para modelos de selección discreta

Murcia, Spain

DEPARTAMENTO DE MÉTODOS CUANTITATIVOS PARA LA ECONOMÍA, UNIVERSIDAD DE MURCIA

May 3-2012

- Invited Talk, Speaker

Mapping traveler attitudes: Does space matter?

Tampa, USA

CENTER FOR URBAN TRANSPORTATION RESEARCH, UNIVERSITY OF SOUTH FLORIDA

April 20-2012

- Invited Talk, Speaker

Time geography and potential applications for space-time scheduling

DEPARTMENT OF CIVIL ENGINEERING, MCMASTER UNIVERSITY

- Invited Seminar, Presenter

Hamilton, Canada

April 13-2012

Developing a web-based accessibility calculator prototype

SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, UNIVERSITY OF PENNSYLVANIA

- Invited Talk, Speaker

Philadelphia, USA

January 18-2012

Using the Q statistic to explore segregation patterns of ethnic groups

SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, ARIZONA STATE UNIVERSITY

- Invited Talk, Speaker

Tempe, USA

January 13-2012

Developing a web-based accessibility calculator prototype

CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA

- Symposium "If We Build It Will They Walk?", Presenter

Vancouver, Canada

November 1-2011

Walkable schools for sustainable communities

ACCOMMODATION REVIEW COMMITTEE (DALEWOOD AREA), HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

- Invited Talk, Speaker

Hamilton, Canada

September 14-2011

Spatial analysis: Progress, prospects, and challenges

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT, UNIVERSITY OF WATERLOO

- Invited Talk, Speaker

Waterloo, Canada

September 13-2011

Introduction to spatial interaction and modal split analysis

UNIVERSIDADE DE SÃO PAULO

- Graduate Seminar, Instructor

São Paulo, Brazil

August 23-2011

From meso-scale analysis to micro-scale environments: A model-based approach for selecting walkability audit sites

LATTICE, UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Invited Talk, Speaker

Recife, Brazil

August 15-2011

Modeling spatial heterogeneity in multivariate regression analysis

UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Graduate Seminar, Instructor

Recife, Brazil

August 15 to 16-2011

Applied Spatial Modeling

THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL

- Seminar, Instructor

Perth, Australia

July 11 to 13-2011

Rapid Transit: Does it Drive Local Economic Development?

3RD ANNUAL TRANSLOG CONFERENCE

- Panel Session, Panelist

Hamilton, Canada

June 15-2011

Accessibility measures and the contribution of spatial models

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 10-2011

Accesibilidad y actividad comercial: Teoría y métodos

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

April 8-2011

Movilidad en la tercera edad: Conceptos y evidencia

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID

- Transport Sustainability Course, Instructor

Madrid, Spain

April 7-2011

A model-based approach to select case sites for conducting walkability audits

DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL

- Invited Talk, Speaker

Montréal, Canada

February 25-2011

From meso-scale analysis to micro-scale environments: A model-based approach for selecting walkability audit sites

SCHOOL OF DESIGN, UNIVERSITY OF PENNSYLVANIA

- Invited Talk, Speaker

Philadelphia, USA

February 15-2011

On the confluence of social and spatial networks: an example of sense of community among university students

UNIVERSITY OF MANCHESTER

- Workshop Social Network Analysis in Transport, Presenter

Manchester, UK

January 11-2011

Using the Q statistic to explore segregation patterns of ethnic groups

DEPT. OF ECONOMICS, UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Invited Talk, Speaker

Recife, Brazil

August 26-2010

Spatial pricing and the analysis of point patterns

UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Graduate Seminar, Instructor

Recife, Brazil

August 24 to 25-2010

Selected topics in spatial analysis

UNIVERSIDADE DE SÃO PAULO

- Graduate Seminar, Instructor

São Paulo, Brazil

August 12 and 27-2010

Mobility and social exclusion: analytical framework and state of knowledge

CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA

- Symposium "Walk-the-Talk: Linking Research and Community on the Built Environment for Healthy Aging", Keynote Speaker

Vancouver, Canada

April 20-2010

Riding cars with seniors: Accessibility implications of mode of travel

EDINBURGH COLLEGE OF ART

- UK-Canada Study Tour "The Science of Age-Supportive Environments", Speaker

Edinburgh, UK

March 11-2010

Mobility in aging: Time geography perspectives

LONDON METROPOLITAN UNIVERSITY

- UK-Canada Study Tour "The Science of Age-Supportive Environments", Speaker

London, UK

March 10-2010

Mobility and social exclusion: Results of recent research in Canada

TRANSPORT STUDIES UNIT, UNIVERSITY OF OXFORD

- Invited Talk, Speaker

Oxford, UK

March 4-2010

Social influence and the decision to telework

UNIVERSITY OF NOTTINGHAM

- Workshop Social Network Analysis in Transport, Speaker

Nottingham, UK

March 2-2010

Demographic aging and sustainable transportation

DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL

- Invited Talk, Speaker

Montréal, Canada

February 18-2010

Positive and Normative Aspects of Accessibility Measurements

INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE-URBANISATION CULTURE SOCIÉTÉ

- Invited Talk, Speaker

Montréal, Canada

February 16-2010

Social Networks and Information and Communication Technology: Implications for Activities in Real and Virtual Spaces

89TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD

- Panel Session, Panelist

Washington, D.C., USA

January 13-2010

Selected topics in spatial analysis

UNIVERSIDADE DE SÃO PAULO

- Graduate Seminar, Instructor

São Paulo, Brazil

August 18-2009

Networks and behavior

INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

- Invited Talk, Speaker

São José dos Campos, Brazil

August 14-2009

Introducing spatial analysis in transportation research

DEPT. OF TRANSPORT ENGINEERING, UNIVERSIDADE SÃO PAULO-SAO CÂRLOS

- Invited Talk, Speaker

Sao C rlos, Brazil

August 6-2009

Elecci n de modos de transporte y planificaci n de infraestructuras

TRANSYT, UNIVERSIDAD POLIT CNICA DE MADRID

- Graduate Seminar, Instructor

Madrid, Spain

July 15-2009

Publishing in a spatial analysis journal

ANNUAL MEETING OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

- Panel Session, Panelist

Las Vegas, USA

March 22-2009

An lisis espacial y sistemas de transporte, matrimonio de conveniencia o amor a segunda vista?

DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCI N

- Invited Talk, Speaker

Concepci n, Chile

March 12-2009

Uso de tiempo y exclusi n social en Canad : Una investigaci n de actividades comerciales y de servicios desde la perspectiva de grupos vulnerables

DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCI N

- Invited Talk, Speaker

Concepci n, Chile

March 9-2009

Mobility and social exclusion in Canadian communities: An empirical investigation of opportunity access and deprivation from the perspective of vulnerable groups

HUMAN RESOURCES AND SOCIAL DEVELOPMENT CANADA

- Presentation of Final Report, Presenter

Ottawa, Canada

February 13-2009

Modeling activity spaces using short term travel surveys

SCHOOL OF URBAN PLANNING, MCGILL UNIVERSITY

- Invited Talk, Speaker

Montr al, Canada

February 12-2009

Social Networks and Travel

88TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD

- Panel Session, Panelist

Washington, D.C., USA

January 11-2009

Jobs and the Single Parent: Accessibility Analysis in the City of Toronto

FACULTY OF ECONOMICS, ADMINISTRATION, AND ACCOUNTING OF THE UNIVERSIDADE DE S O PAULO

- Invited Talk, Speaker

S o Paulo, Brazil

October 31-2008

A simulation investigation of weight matrix coding schemes

UNIVERSIDAD POLIT CNICA DE CARTAGENA

- 3rd Seminar of Spatial Econometrics Jean Paelinck, Keynote Speaker

Cartagena, Spain

October 10-2008

Movilidad Sostenible

UNIVERSIDAD INTERNACIONAL MEN NDEZ PELAYO

- Invited Talk, Speaker

Santander, Spain

July 31-2008

Spatial analysis of property prices, a comparison of techniques and heuristics

INSTITUTE FOR ECONOMIC GEOGRAPHY AND GISCIENCE, VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS ADMINISTRATION

- Invited Talk, Speaker

Vienna, Austria

July 25-2008

Modelos locales: reflexiones sobre su utilidad para an lisis inferencial e interpolaci n espacial

INSTITUTE LAWRENCE R. KLEIN, UNIVERSIDAD AUT NOMA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 17-2008

T cnicas econom tricas para el an lisis de sistemas de transporte y usos de suelo urbano

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLIT CNICA DE MADRID

- Graduate Seminar, Instructor

Madrid, Spain

June 23 to 25-2008

Pruebas de hip tesis en estad sticos y modelos espaciales locales

UNIVERSIDAD POLIT CNICA DE CARTAGENA

- Invited Talk, Speaker

Cartagena, Spain

June 20-2008

Topología de redes y econometría espacial

DEPARTMENT OF ECONOMICS, UNIVERSIDAD DE ZARAGOZA

- Invited Talk, Speaker

Zaragoza, Spain

May 23-2008

”Riding in Cars with Seniors” Geographical perspectives on transportation modes and distance traveled by the elderly

DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF TORONTO IN MISSISSAUGA

- Invited Talk, Speaker

Mississauga, Canada

March 12-2008

Eliciting travel cost information using a web-based data collection tool: Preliminary results from a graduate teaching project

DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF TORONTO

- Invited Talk, Speaker

Toronto, Canada

November 30-2007

Transportation and spatial analysis: Marriage of convenience or love at second sight?

DEPARTMENT OF GEOGRAPHY, RYERSON UNIVERSITY

- Invited Talk, Speaker

Toronto, Canada

November 19-2007

Spatial analysis and travel behavior

DEPARTMENT OF GEOGRAPHY, STATE UNIVERSITY OF NEW YORK AT BUFFALO

- Invited Talk, Speaker

Buffalo, USA

February 23-2007

Networks, social influence, and behavior: Current research and outstanding challenges

STATE UNIVERSITY OF NEW YORK AT BUFFALO

- Geographic Information Science Integrative Graduate Education and Research Training Program, Presenter

Buffalo, USA

February 23-2007

Integrated Land-use and Transportation Models: Frameworks, Models and Applications

UNIVERSITY OF TORONTO

- Processus: Second International Colloquium on the Behavioural Foundations of Integrated Land-use and Transportation Models, Discussant

Toronto, Canada

June 12 to 15-2005

Spatial effects in hedonic price functions

CENTRE FOR THE STUDY OF COMMERCIAL ACTIVITY, RYERSON UNIVERSITY

- Invited Talk, Speaker

Toronto, Canada

July 22-2003

Spatial parametric nonstationarity

WILFRIED LAURIER UNIVERSITY

- Students of Spatial Statistics (SOS2), Speaker

Waterloo, Canada

March 13-2003

Training of Highly Qualified Personnel

SUPERVISION AT A GLANCE

Level	Program	Sole Supervisor	Co-supervisor	Withdrawn from Program
Doctoral	Geography	8	-	3
Doctoral	Civil Engineering	-	2	-
Doctoral	Economics	-	1	-
Master	Geography	10	5	1
Master	Public Health	1	1	-
Master	Civil Engineering	-	8	-
Master	Economics	-	4	-
Undergraduate	Civil Engineering	2	-	-
Undergraduate	Engineering and Society	9	1	-
Undergraduate	Geography	13	1	-
Undergraduate	Life Sciences	2	-	-
Undergraduate	Physics	1	-	-

UNDERGRADUATE SUPERVISION

Zibby Petch (McMaster University, Canada)

2010

Civil Engineering

Karolina Krol (McMaster University, Canada)	2009
	Civil Engineering
Josh Arbess (McMaster University, Canada)	2021
	Engineering and Society
Josh Arbess (McMaster University, Canada)	2020
CO-SUPERVISED WITH SANATHAN KASSIEDASS, SENIOR ADVISOR, INNOVATION AND NEW MOBILITY – METROLINX	Engineering and Society
Samuel Greg Smilski (McMaster University, Canada)	2020
	Engineering and Society
Gabriela Tokarska (McMaster University, Canada)	2013
	Engineering and Society
Mike McKnight (McMaster University, Canada)	2012
	Engineering and Society
Alexander Eryuzlu (McMaster University, Canada)	2009
	Engineering and Society
Adam Howell (McMaster University, Canada)	2008
	Engineering and Society
Doug C. Sharpe (McMaster University, Canada)	2006
	Engineering and Society
Justin M. Potalivo (McMaster University, Canada)	2005
	Engineering and Society
Matt G. Sonnenberg (McMaster University, Canada)	2005
	Engineering and Society
Subaita Refaaf (McMaster University, Canada)	2021
	Geography
William Li (McMaster University, Canada)	2019
	Geography
Dylan Ward (McMaster University, Canada)	2019
	Geography
Ruikang Lin (McMaster University, Canada)	2018
	Geography
Alexander Moriopoulous (McMaster University, Canada)	2018
	Geography
Tyler Marr (McMaster University, Canada)	2018
	Geography
Jill Scott (McMaster University, Canada)	2017
	Geography
Bingjie Zhu (McMaster University, Canada)	2017
	Geography
Emily Byford (McMaster University, Canada)	2017
	Geography
Katelyn Penney (McMaster University, Canada)	2015
	Geography
Katelyn Penney (McMaster University, Canada)	2013
	Geography
Christine Fandrich (McMaster University, Canada)	2012
	Geography
David Snell (McMaster University, Canada)	2009
	Geography
Steve Gitao (McMaster University, Canada)	2005
CO-SUPERVISED WITH PAVLOS KANAROGLOU	Geography

Amanda Rorat (McMaster University, Canada)	<i>In Progress</i> Life Sciences
Nadhiyya Shabir (McMaster University, Canada)	<i>2021</i> Life Sciences
Salvatore Vivona (McMaster University, Canada)	<i>2017</i> Physics
MASTER’S SUPERVISION	
Mahdis Moghadasi (McMaster University, Canada)	<i>2024</i> Geography
Niloofer Nalaei (McMaster University, Canada)	<i>2024</i> Geography
Bruno Dias dos Santos (INPE, Brazil, Brazil) CO-SUPERVISED WITH SILVANA AMARAL AND CAROLINA PINHO	<i>2023</i> Geography
John Merral (McMaster University, Canada)	<i>2021</i> Geography
Elise Desjardins (McMaster University, Canada)	<i>2020</i> Public Health
Sean Sears (McMaster University, Canada)	<i>2020</i> Geography
Zoha Anjum (McMaster University, Canada) CO-SUPERVISED WITH SARAH DICKSON AND CORINNE WALLACE	<i>2019</i> Public Health
Rodrigo Victoriano (Universidad de Concepcion, Chile) CO-SUPERVISED WITH JUAN A. CARRASCO	<i>2018</i> Civil Engineering
Alvaro E. Toledo (Universidad de Concepcion, Chile) CO-SUPERVISED WITH JUAN A. CARRASCO	<i>2018</i> Civil Engineering
Christine Fandrich (McMaster University, Canada)	<i>Withdrew from Program</i> Geography
Edivaldo C. Neves (Universidade Federal de Pernambuco, Brazil) CO-SUPERVISED WITH TATIANE MENEZES	<i>2013</i> Economics
Mario Reyes (McMaster University, Canada)	<i>2013</i> Geography
Sammara C. Soares (Universidade Federal de Pernambuco, Brazil) CO-SUPERVISED WITH TATIANE MENEZES	<i>2012</i> Economics
Kristina Cimaroli (McMaster University, Canada) CO-SUPERVISED WITH K. BRUCE NEWBOLD	<i>2012</i> Geography
Jarin Esita (McMaster University, Canada)	<i>2012</i> Geography
Eduardo Barbosa (Universidade de Sao Paulo, Brazil) CO-SUPERVISED WITH EDUARDO A. HADDAD	<i>2011</i> Economics
Cristian Bustos (Universidad de Concepcion, Chile) CO-SUPERVISED WITH JUAN A. CARRASCO	<i>2011</i> Civil Engineering
Md Moniruzzaman (McMaster University, Canada)	<i>2011</i> Geography
Kate Whalen (McMaster University, Canada)	<i>2011</i> Geography
Nicolas M. Cespedes (Universidad de Concepcion, Chile) CO-SUPERVISED WITH JUAN A. CARRASCO	<i>2011</i> Civil Engineering
Adam Drackley (McMaster University, Canada) CO-SUPERVISED WITH K. BRUCE NEWBOLD	<i>2010</i> Geography

P.J. Saberton (McMaster University, Canada)	2010
CO-SUPERVISED WITH K. BRUCE NEWBOLD	Geography
Ana Maria Bonomi Barufi (Universidade de Sao Paulo, Brazil)	2010
CO-SUPERVISED WITH EDUARDO A. HADDAD	Economics
Ivy Dam (McMaster University, Canada)	2009
CO-SUPERVISED WITH DARREN M. SCOTT	Geography
Natalia Andrea Ruminot Villegas (Universidad de Concepcion, Chile)	2009
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Felipe Antonio Sanhueza Cardenas (Universidad de Concepcion, Chile)	2009
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Julien Bonin (McMaster University, Canada)	2008
	Geography
Fei Long (McMaster University, Canada)	2006
	Geography
Kenji Kawai (Tohoku University, Japan)	2002
CO-SUPERVISED WITH KAZUAKI MIYAMOTO	Civil Engineering
Eri Yamada (Tohoku University, Japan)	2001
CO-SUPERVISED WITH KAZUAKI MIYAMOTO	Civil Engineering
DOCTORAL SUPERVISION	
Bruno Dias dos Santos (McMaster University, Canada)	In Progress
	Geography
Anastasia Soukhov (McMaster University, Canada)	In Progress
	Geography
Elise Desjardins (McMaster University, Canada)	In Progress
	Geography
Fernando Romero (Universidad Politecnica de Madrid, Spain)	2020
CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	Civil Engineering
Kate Whalen (McMaster University, Canada)	2020
	Geography
Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais, Brazil)	2019
CO-SUPERVISED WITH PEDRO AMARAL	Economics
Faten Almjlad (McMaster University, Canada)	Withdrew from Program
	Geography
Li He (McMaster University, Canada)	2016
	Geography
Md Moniruzzaram (McMaster University, Canada)	2014
	Geography
Mario Reyes (McMaster University, Canada)	Withdrew from Program
	Geography
Daniel Del Bianco (McMaster University, Canada)	Withdrew from Program
	Geography
Lucia Mejia (Universidad Politecnica de Madrid, Spain)	2011
CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	Civil Engineering
Steven Farber (McMaster University, Canada)	2010
	Geography
Ruben Mercado (McMaster University, Canada)	2007
	Geography