

Antonio Paez

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 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.
- 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 basic research in geography and policy.
- 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.

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

Dept. of Civil Engineering, Instituto Tecnológico y de Estudios Superiores de Monterrey

INSTRUCTOR-TOPOGRAPHICAL SURVEY LABORATORY Monterrey, Mexico

January 1993-December 1993

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.

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

Honours

VISITING PROFESSORSHIPS

Universidad Politécnica de Madrid	<i>Spain</i>
VISITING PROFESSORSHIP	<i>2008</i>

SCHOLARSHIPS

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

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

SCIENTIFIC AWARDS

Edward L. Ullman Award for outstanding contributions to the field of transportation geography	<i>United States</i>
ASSOCIATION OF AMERICAN GEOGRAPHERS	<i>2024</i>
• Antonio Páez	

Outstanding Achievement Award in Humanities and Social Sciences Research (1st Prize)	<i>China</i>
SHAANXI SYSTEM OF UNIVERSITIES	<i>2021</i>
• Li He, Jianmin Jiao, Ping An, Chuntian Lu, Wen Mao, 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	<i>2010</i>
• Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda	

Best Presentation Award	<i>Japan</i>
JAPAN SOCIETY OF CIVIL ENGINEERS	<i>2002</i>
• K. Kawai, K. Miyamoto, V. Vichiensan, and Antonio Páez	

TRAINEE HONOURS

Elise Desjardins	<i>Winner, Master's Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	<i>2021</i>

Md Moniruzzaman	<i>Young Researcher Award</i>
INTERNATIONAL TRANSPORTATION FORUM	<i>2016</i>

Md Moniruzzaman	<i>Age+ Prize</i>
CANADIAN INSTITUTES FOR HEALTH RESEARCH, INSTITUTE OF AGING	<i>2014</i>

Md Moniruzzaman	<i>Ph.D. Prestige Grant</i>
WORLD CONFERENDE OF TRANSPORT RESEARCH SOCIETY	<i>2013</i>

Md Moniruzzaman	<i>Winner, Master's Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	<i>2012</i>

Steven Farber	<i>Honorable Mention, Ph.D. Competition</i>
TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	<i>2011</i>

Editorial Activities

EDITORSHIPS

Editor-in-Chief	<i>January 2008-present</i>
JOURNAL OF GEOGRAPHICAL SYSTEMS	

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

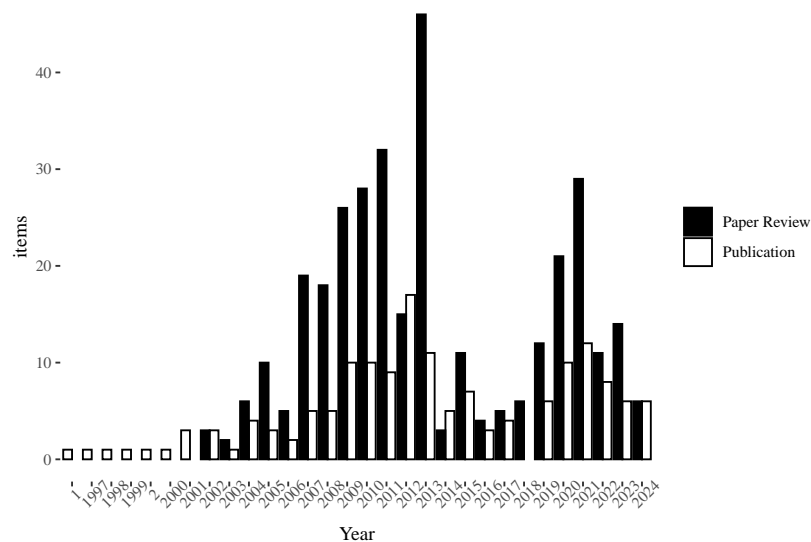


Figure 1: Reviews-to-publications by year

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

Scholarly and Professional Activities

JOURNAL REFEREE

0.0.1 Number of Total Lifetime Reviews

332

0.0.2 Number of Reviews in 2024

6

0.0.3 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.

Grant Reviews

Executive Agency for Higher Education, Research, Development and Innovation Funding (Romania)	2024
EXTERNAL REVIEWER	Number of reviews: 5
European Research Council (European Union)	2022
PANEL MEMBER	Number of reviews: 9
Swiss National Science Foundation (Switzerland)	2015
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2013
EXTERNAL REVIEWER	Number of reviews: 1
Fonds Wetenschappelijk Onderzoek - Vlaanderen (Canada)	2012
EXTERNAL REVIEWER	Number of reviews: 1
University of California Davis Sustainable Transportation Center (USA)	2012
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2012
EXTERNAL REVIEWER	Number of reviews: 1
Canada Research Chair Programme (Canada)	2011
EXTERNAL REVIEWER	Number of reviews: 1
Fonds de recherche du Quebec Nature et technologies (Canada)	2011
EXTERNAL REVIEWER	Number of reviews: 1
Natural Science and Engineering Research Council (Canada)	2011
EXTERNAL REVIEWER	Number of reviews: 1
Swiss National Science Foundation (Switzerland)	2011
EXTERNAL REVIEWER	Number of reviews: 1
University of California Davis Sustainable Transportation Center (USA)	2011
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2011
EXTERNAL REVIEWER	Number of reviews: 1
Hong Kong Health and Health Services Research Fund (Canada)	2010
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2009
EXTERNAL REVIEWER	Number of reviews: 2
US National Science Foundation (USA)	2008
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2007
EXTERNAL REVIEWER	Number of reviews: 1
Natural Science and Engineering Research Council (Canada)	2005
EXTERNAL REVIEWER	Number of reviews: 1
US National Science Foundation (USA)	2005
EXTERNAL REVIEWER	Number of reviews: 1

Areas of Interest

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

Teaching

TOTAL NUMBER OF COURSES TAUGHT

Undergraduate: 55

Graduate: 18

TOTAL NUMBER OF STUDENTS

Undergraduate: 2,307

Graduate: 85

UNDERGRADUATE TEACHING

Transportation Geography

TOTAL ENROLMENT: 80 STUDENTS

Applied Spatial Statistics

TOTAL ENROLMENT: 113 STUDENTS

Transport Policy

TOTAL ENROLMENT: 46 STUDENTS

Locational Analysis

TOTAL ENROLMENT: 492 STUDENTS

Transportation and Economic Activity

TOTAL ENROLMENT: 415 STUDENTS

Transportation Geography

TOTAL ENROLMENT: 284 STUDENTS

Analysis of Transportation Systems

TOTAL ENROLMENT: 280 STUDENTS

Applied Spatial Statistics

TOTAL ENROLMENT: 186 STUDENTS

Special Topics in GIS: Geodemographic Analysis

TOTAL ENROLMENT: 20 STUDENTS

Transport Policy

TOTAL ENROLMENT: 118 STUDENTS

Analysis of Transportation Systems

TOTAL ENROLMENT: 166 STUDENTS

Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 107 STUDENTS

GRADUATE TEACHING

Reproducible Research Workflow

TOTAL ENROLMENT: 23 STUDENTS

Transport Policy and Elderly Mobility

TOTAL ENROLMENT: 1 STUDENTS

Discrete Choice and Policy Analysis

TOTAL ENROLMENT: 54 STUDENTS

Transport Policy

TOTAL ENROLMENT: 7 STUDENTS

DIPLOMA-CERTIFICATE TEACHING

Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 29 STUDENTS

Major Project

TOTAL ENROLMENT: 18 STUDENTS

Applied Project

TOTAL ENROLMENT: 2 STUDENTS

Times offered: 2

ENVSOCY 3LT3

Times offered: 3

ENVSOCY 4GA3

Times offered: 3

ENVSOCY 4LP3

Times offered: 6

GEOG 2HA3

Times offered: 4

GEOG 2LI3

Times offered: 8

GEOG 3LT3

Times offered: 6

GEOG 4D03

Times offered: 6

GEOG 4GA3

Times offered: 1

GEOG 4GT3

Times offered: 7

GEOG 4LP3

Times offered: 4

GEOG 4LT3

Times offered: 5

GEOG 4S03

Times offered: 3

*GEO *712*

Times offered: 1

*GEO *715*

Times offered: 10

*GEO *738*

Times offered: 4

GEOG 6LP3

Times offered: 3

510-654

Times offered: 3

510-655

Times offered: 1

510-657

Supervisorships

UNDERGRADUATE (CIVIL ENGINEERING):

Zibby Petch (McMaster University, April 2010) Short term bike facility utilization study (undergraduate project)

Karolina Krol (McMaster University, April 2009) Urban form and transportation patterns, data collection and organization

MCMASTER ENGINEERING AND SOCIETY PROGRAM - METROLINX ROB MACISAAC FELLOWSHIP:

Josh Arbess (McMaster University, January 2020 – June 2020) Mapping the Adoption of Mobility-as-a-Service in the Greater Toronto and Hamilton Area: An Analysis of Demographics, Travel Patterns and Technology (with Sanathan Kassiedass, Senior Advisor, Innovation and New Mobility – Metrolinx)

MCMASTER ENGINEERING AND SOCIETY PROGRAM - INQUIRY PAPER:

Josh Arbess (McMaster University, April 2021) The 15-minute neighborhood

Samuel Greg Smilski (McMaster University, April 2020) What factors influence the supply and demand of affordable housing in Hamilton, and how can the development of the LRT contribute to alleviating the affordable housing crisis?

Gabriela Tokarska (McMaster University, April 2013) Transit system integration in the Greater Toronto and Hamilton Area

Mike McKnight (McMaster University, April 2012) Why are there so few high-occupancy vehicles in the road today?

Alexander Eryuzlu (McMaster University, April 2009) An Inquiry into the Sustainability of Waste-to-Energy Conversion Facilities: An Analysis of the Environmental, Social, and Economic Perspectives

Adam Howell (McMaster University, April 2008) Mobility tools ownership in Hamilton: Analysis and implications

Doug C. Sharpe (McMaster University, April 2006) Urban form and sustainable transport in Hamilton

Justin M. Potalivo (McMaster University, April 2005) Electronic Devices and Traffic Control and Mitigation Strategies: What is their Role in the City of Hamilton?

Matt G. Sonnenberg (McMaster University, April 2005) Futures and Issues in Public Transportation in the Greater Toronto Area

UNDERGRADUATE (GEOGRAPHY):

Subaita Refaaf (McMaster University, April 2021) Methods of Increasing Ontario's Transit System Efficiency and Ridership via Technological Innovations William Li (McMaster University, August 2019) Comparing Tokyo and Vancouver: Transportation Planning for Urban Railways

Dylan Ward (McMaster University, April 2019) Retrofitting Suburban Transit

Ruikang Lin (McMaster University, December 2018) How can light rail transits (LRTs) contribute to improvement of cities? Case studies around the world using a Socio-Ecological Model (SEM)

Alexander Moriopoulous (McMaster University, December 2018) Walkability

Tyler Marr (McMaster University, April 2018) Tactical Urbanism

Jill Scott (McMaster University, Summer 2017) Night Walkability of Hamilton, Ontario As Viewed by the City's Deaf Community (Undergraduate Research Summer Award)

Bingjie Zhu (McMaster University, Summer 2017) Comparing renewable energy development between Germany and Canada (Independent Study in Earth and Environmental Science)

Emily Byford (McMaster University, April 2017) Transportation and Personal Well-Being: How Active and Passive Travel Impact Environmental, Physical and Mental Well-Being of Transportation Users (Independent Study in Geography)

Katelyn Penney (McMaster University, Terms 1-2, 2014-2015) Parks and BMI

Katelyn Penney (McMaster University, April 2013) Traffic Predictions of the Potential Removal of The Gardiner Expressway

Christine Fandrich (McMaster University, April 2012) Estimating McMaster's Transportation Carbon Footprint

David Snell (McMaster University, April 2009) A qualitative analysis of access to public transportation in Toronto, Ontario

Steve Gitao (McMaster University, April 2005) A Spatial Analysis of University Donations: The Case of McMaster University (with Pavlos Kanaroglou)

UNDERGRADUATE (LIFE SCIENCES):

Nadhiyya Shabir (McMaster University, April 2021) The Occurrences of Infectious Outbreaks in Toronto Long-Term Healthcare Facilities: 2016-2020

UNDERGRADUATE (PHYSICS):

Salvatore Vivona (McMaster University, April 2017) Using Blended Two-Stage Floating Catchment Areas to Calculate Accessibility to Primary Health Care by Seniors

MASTER

Mahdis Moghadasi (McMaster University; September 2021-in progress) Developing data-driven standards for evaluation of active transportation equity

Niloofer Nalaei (McMaster University, September 2021 - in progress) Mobility analytics using social media

Bruno Dias dos Santos (INPE, Brazil, May 2023) Identifying urban and socio-environmental patterns of Amazon cities (with Silvana Amaral and Carolina Pinho)

John Merral (McMaster University, September 2021) School closures and property values in Hamilton

Elise Desjardins (McMaster University; Masters in Public Health, September 2020) Cycling patterns in Hamilton

Sean Sears (McMaster University, July 2020) Goods movement in Canada

Zoha Anjum (McMaster University; Masters in Public Health, September 2019) Water and health in Kenya (co-supervised with Sarah Dickson and Corinne Wallace)

Rodrigo Victoriano (Universidad de Concepcion, Chile; January 2018) Time, Space, Money, and Social Interaction: Using Machine Learning to Classify People's Mobility Strategies through Four Key Dimensions (with Juan A. Carrasco)

Alvaro E. Toledo (Universidad de Concepcion, Chile; January 2018) A Spatial Analysis of the Impacts of a New Subway Line on Public Transport Demand Using Smart Card Data (with Juan A. Carrasco)

Christine Fandrich (McMaster University; September 2017 - withdrew from program) Housing prices in Hamilton

Edivaldo C. Neves (Universidade Federal de Pernambuco, August 2013) Poles of Crime in Recife: A Spatial Analysis (with Tatiane Menezes).

Mario Reyes (McMaster University; September 2013) Cycling infrastructure, data collection and analysis.

Sammara C. Soares (Universidade Federal de Pernambuco, August 2012) Inequalities in self-assessed health in Brazil (with Tatiane Menezes).

Kristina Cimaroli (McMaster University; September 2012) Donor return behavior (with K. Bruce Newbold).

Jarin Esita (McMaster University; June 2012) Accessibility to blood donation clinics: an individual approach.

Eduardo Barbosa (Universidade de Sao Paulo, Brazil; December 2011) Climate change and land use patterns in Brazil (with Eduardo Haddad)

Cristian Bustos (Universidad de Concepcion, Chile; December 2011) The geography of social networks in Concepcion, Chile (with Juan A. Carrasco)

Md Moniruzzaman (McMaster University; September 2011) Accessibility and built environment effects on transit use.

Kate Whalen (McMaster University; September 2011) Travel preferences and choices of university students and the role of active travel.

Nicolas M. Cespedes (Universidad de Concepcion, Chile; February 2011) T-communities and spatial autocorrelation (with Juan A. Carrasco).

Adam Drackley (McMaster University; July 2010) Blood donor behavior in Canada: A disaggregate analysis (with K. Bruce Newbold).

P.J. Saberton (McMaster University; July 2010) An investigation into the geographical variations in blood donation in Canada's major population centers (with K. Bruce Newbold).

Ana Maria Bonomi Barufi (Universidade de Sao Paulo, Brazil; February 2010) Infant mortality in Brazil (with Eduardo Haddad)

Ivy Dam (McMaster University; September 2009) Telework and the structure of workplace social interactions (with Darren M. Scott)

Natalia Andrea Ruminot Villegas (Universidad de Concepcion, Chile; August 2009) Vulnerable nodes in networks: An autocorrelation approach (with Juan A. Carrasco)

Felipe Antonio Sanhueza Cardenas (Universidad de Concepcion, Chile; August 2009) Data collection and analysis of mode choice at McMaster University (with Juan A. Carrasco)

Julien Bonin (McMaster University; September 2008) Travel behavior of shoppers in Canada: Urban and rural perspectives

Fei Long (McMaster University; June 2006) Spatial Analysis of Real Estate Data: The Case of the City of Toronto

Kenji Kawai (Tohoku University; April 2002) Interpolation of Spatial Data in Urban Models based on Geographically Weighted Regression and Kriging (with Kazuaki Miyamoto)

Eri Yamada (Tohoku University; March 2001) Accessibility Analysis of Transportation Networks in Eastern Asia (with Kazuaki Miyamoto)

DOCTORAL

Bruno Dias dos Santos (INPE, Brazil, May 2023) Identifying urban and socio-environmental patterns of Amazon cities (with Silvana Amaral and Carolina Pinho)

Anastasia Soukhov (McMaster University; September 2021-in progress) Developing data-driven standards for evaluation of motorized transportation equity

Elise Desjardins (McMaster University; September 2020-in progress) Children independent mobility

Fernando Romero (Universidad Politecnica de Madrid; September 2019-September 2020) Acceptability of Traffic Demand Management Measures (with José Manuel Vasallo)

Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais; September 2019-in progress) Urban Form and Sustainable Transportation (with Pedro Amaral)

Faten Almjlad (McMaster University; September 2017-withdrew from program)

Mario Reyes (McMaster University; 2013-withdrew from program) Cycling travel behavior

Daniel Del Bianco (McMaster University; 2012-in progress) Assessing the Impact of Elementary School Closures in the City of Hamilton

Kate Whalen (McMaster University; 2011-2020) The Role of Reflection in Learning through Experience: A Framework and Guide for Students and Educators.

Li He (McMaster University; September 2016) Methodological considerations on the spatial and temporal analysis of violent crime patterns and the identification of social and environmental correlates of crime

Md Moniruzzaram (McMaster University; June 2014) Mobility in Aging: Travel behavior and Implications for Physical Activity.

Lucia Mejia (Universidad Politecnica de Madrid; April 2011) Transportation Infrastructure Impacts on House Prices and Firms' Location: The Effect of a New Metro Line in the Suburbs of Madrid (with Jose Manuel Vasallo)

Steven Farber (McMaster University; June 2010) The social costs of automobility

Ruben Mercado (McMaster University; August 2007) Policy perspectives on transportation and aging

Supervisory Committees (All are doctoral unless otherwise noted) _____

Ricardo Lourenco Barros (McMaster University; 2022-) Understanding vegetation dynamics with satellite observations and Explainable Artificial Intelligence (XAI)

Samira Hamidetebrani (McMaster University; 2020-) User Preferences and Intentions Regarding Shared Automated Vehicles in Canadian Metropolitan Areas

Christina Borowiec (McMaster University; 2019-) Active travel

Shaila Jamal (McMaster University; 2023) Generational differences in travel behavior

Jeremy Gabriel (McMaster University; 2023) Strata analysis

Elnaz Abotalebi (McMaster University; 2019) Consumer stated preferences survey for electric cars

Wade Genders (McMaster University; 2018) Deep Reinforcement Learning Adaptive Traffic Signal Control

Randy Bui (McMaster University; withdrew from program) Understanding Network Robustness and Critical Roadway Links in the Greater Toronto and Hamilton Area under Short-Term Disruption

Nazila Roofigari-Esfahan (McMaster University; 2016) A Framework for Spatio-Temporal Uncertainty-Aware Scheduling and Control of Linear Projects

Arash Olia (McMaster University; 2016) Modelling and Assessment of the Transportation Potential and Impacts of Connected and Automated Vehicles

Chris Higgins (McMaster University; 2015) A Value Planning Framework for Predicting and Recapturing the Value of Rapid Transit Infrastructure

Matthew Adams (McMaster University; 2015) Advancing the use of mobile monitoring data for air pollution modelling

Scott Bennett (McMaster University; 2015) Safer walking routes to school: applied and methodological geographies of child pedestrian injury

Sarah Dickin (McMaster University; September 2014) Mapping vulnerability to water-related infectious disease: an ecosystem approach

Ron Dalumpines (McMaster University; July 2014) Route choice analysis in time-geographic perspective

Kathleen Deutsch (University of California Santa Barbara; June 2013) Sense of place and travel behavior

Andrew Clarke (McMaster University; January 2013) Understanding determinants of active travel

Xudong Liu (McMaster University; withdrew from program in 2011) Integrating firmography in urban models

Jia Yang (McMaster University; withdrew from program in 2011) Modeling firm survival

Renilson Rodriguez da Silva (Universidade de Sao Paulo; completed: March 2011) Accessibility and development in the Amazon region (with Danilo Iglioni)

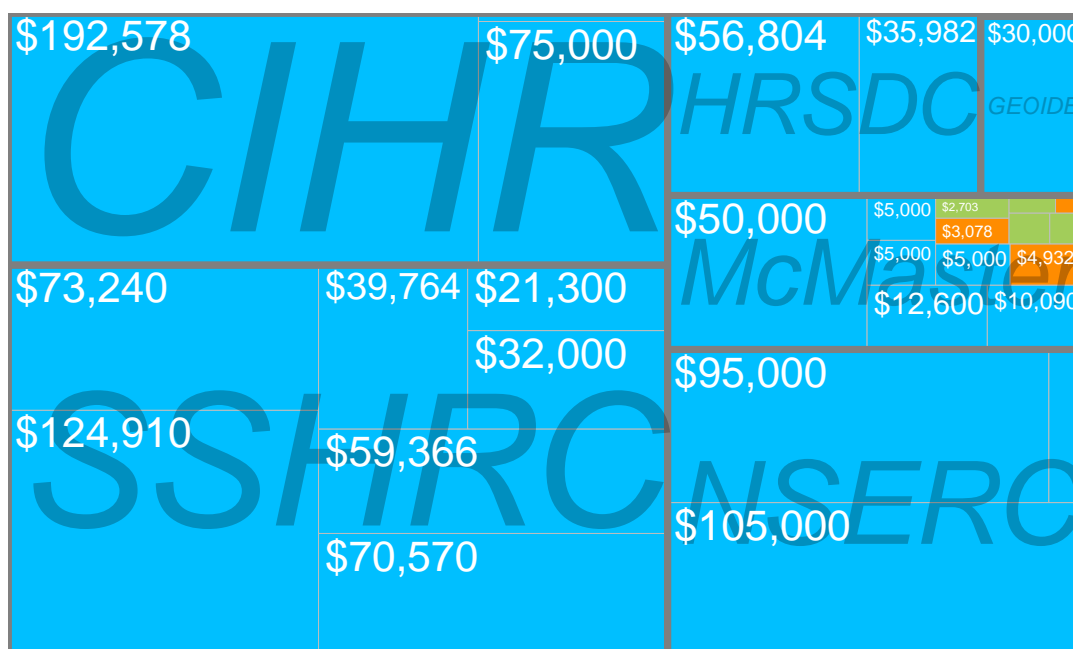
Jamie E.L. Spinney (McMaster University; completed: September 2010) Geography, Land Values, and Municipal Taxation: A Spatial Paradigm for the Estimation and Reclamation of Rent

Kelsey MacCormack (McMaster University; completed: July 2010) Delineation of subsurface gravel units beneath the Dundas Valley, Ontario

Theodora Pouliou (McMaster University; completed: September 2009) Individual and Socio-Environmental Determinants of Obesity in Canada

Hejun Kang (McMaster University; completed: August 2008) Intra-households interactions and travel behavior

Dimitris Potoglou (McMaster University; completed: April 2006) Potential demand for alternative fuelled vehicles in the City of Hamilton CMA



Purpose ■ Research ■ Teaching ■ Travel

Figure 2: My share of research funds by source

Research and Other Funding

FUNDING AT A GLANCE

The total funds of all projects that I have been part of is CAD 5,562,694. Of this amount, CAD 5,545,610 has been research grants from various organizations, CAD 8,810 has been for pedagogical research, and CAD 8,274 has been to support event participation.

My personal share of these funds to date amounts to CAD 1,127,448. The distribution of these funds for research, teaching, and travel, and from various organizations, can be seen in Fig. 2.

DETAILED FUNDING

McMaster University, International Initiatives Micro Fund, Canada	CAD 5,000
ACTIVE SUSTAINABLE TRANSPORTATION: BARRIERS TO CYCLING AMONG UNIVERSITY STUDENTS	2024
• PI: Antonio Paez; team size: 2 researchers	
Arts and Research Board McMaster University, Canada	CAD 1,700
CONFERENCE GRANT	2024
• PI: Antonio Paez; team size: 1 researchers	
McPherson Institute-McMaster University Libraries, Canada	CAD 4,932
PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS	2021-2022
• PI: Antonio Paez; team size: 2 researchers	
Social Sciences and Humanities Research Council, Canada	CAD 2,498,195
MOBILIZING JUSTICE	2020-2025
• PI: Steven Farber; team size: 10 researchers	
Social Sciences and Humanities Research Council, Canada	CAD 296,830
CHILDREN'S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME)	2020-2025
• PI: E. Owen D. Waygood; team size: 4 researchers	
McMaster Interdisciplinary Research Fund, Canada	CAD 42,000
EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA	2018-2019
• PI: Antonio Paez; team size: 4 researchers	

Social Sciences and Humanities Research Council, Canada DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON • PI: 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 • PI: Amanda Grenier; team size: 4 researchers	CAD 50,449 2014-2015
McMaster University, Canada INCENTIVE FUNDING • PI: 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 • PI: 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 • PI: 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 • PI: 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 • PI: 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? • PI: Antonio Paez; team size: 2 researchers	CAD 91,550 2010-2012
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • PI: 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 • PI: 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 • PI: 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 • PI: Antonio Paez; team size: 1 researchers	CAD 800 2008
North American Regional Science Council, US TRAVEL GRANT • PI: 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 • PI: 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 • PI: Antonio Paez; team size: 3 researchers	CAD 40,000 2007-2008

Arts and Research Board McMaster University, Canada CONFERENCE GRANT • PI: 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 • PI: 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 • PI: Antonio Paez; team size: 4 researchers	CAD 8,660 2005
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • PI: Antonio Paez; team size: 1 researchers	CAD 2,703 2005
McMaster University, Canada INCENTIVE FUNDING • PI: 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 • PI: 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 • PI: Antonio Paez; team size: 1 researchers	CAD 105,000 2003-2007
Geomatics for Informed Decisions (GEOIDE), Canada TRANSPORTATION IMPLICATIONS OF CANADA'S AGING SOCIETY • PI: Darren M. Scott; team size: 6 researchers	CAD 150,000 2003-2004
McMaster University, Canada START-UP FUNDS • PI: Antonio Paez; team size: 1 researchers	CAD 50,000 2002

Research Impact

Fig. 3 gives a summary of my research impact according to Google Scholar. As of May, 2024, my research has been cited a total of 12,022 times, and my h-index is 57.

The impact of my work can be appreciated by the fields in which it is cited. According to Web of Science (Fig. 4), my research is cited by scholars in numerous disciplines, notably Transportation, Geography, Economics, Environmental Studies and Science, Computer Science, and Civil Engineering. My publications have been cited by researchers in more than a 100 countries; as seen in Fig. 5, most citations to my work are by researchers in the United States, China, Canada, England, and Spain.

Research Output

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.

BIBLIOGRAPHY 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. 6 maps the relationship between key topics in my peer-reviewed publications, based on keywords of the documents. Fig. 7 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	1	2.00	2	0 (0%)	1 (100%)	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	154	3.34	7	12 (8%)	34 (22%)	61 (40%)	31 (20%)	16 (10%)

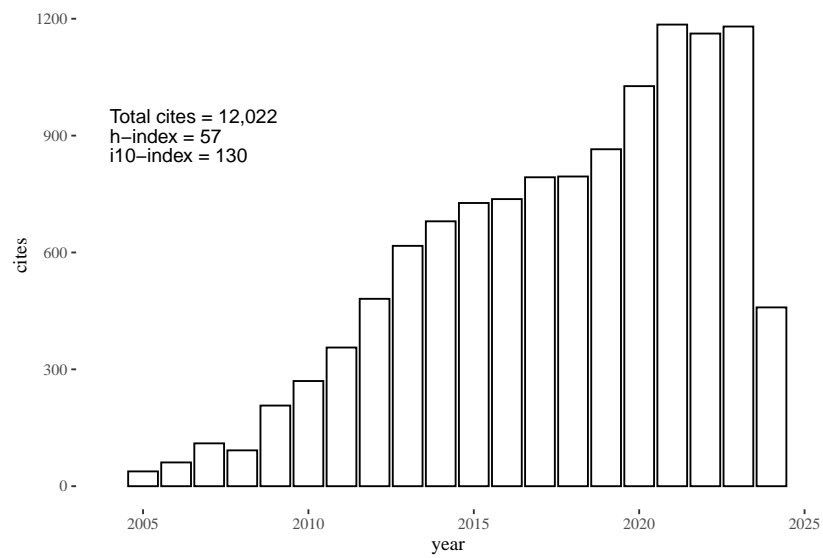


Figure 3: Citations per year according to Google Scholar

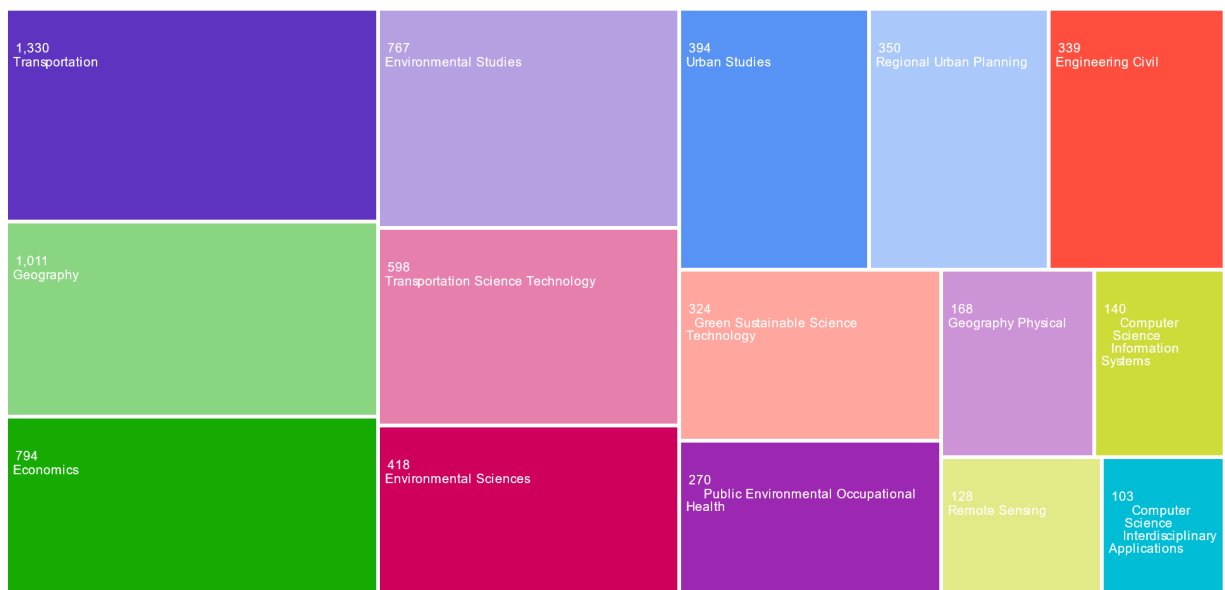


Figure 4: Fields where my research is cited according to Web of Science

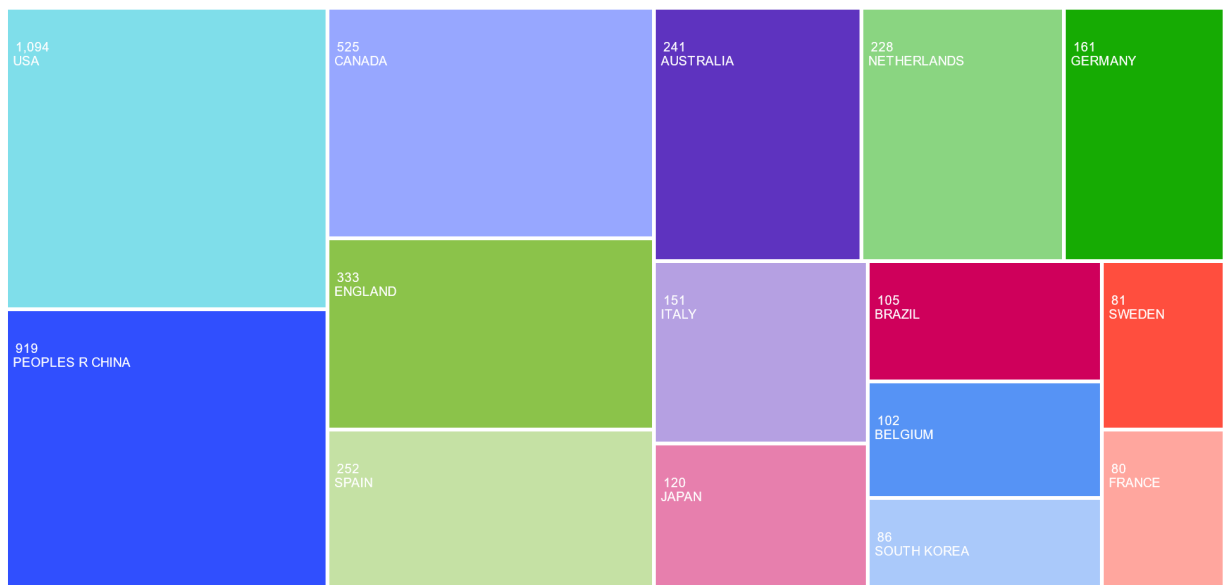


Figure 5: Countries where my research is cited according to Web of Science

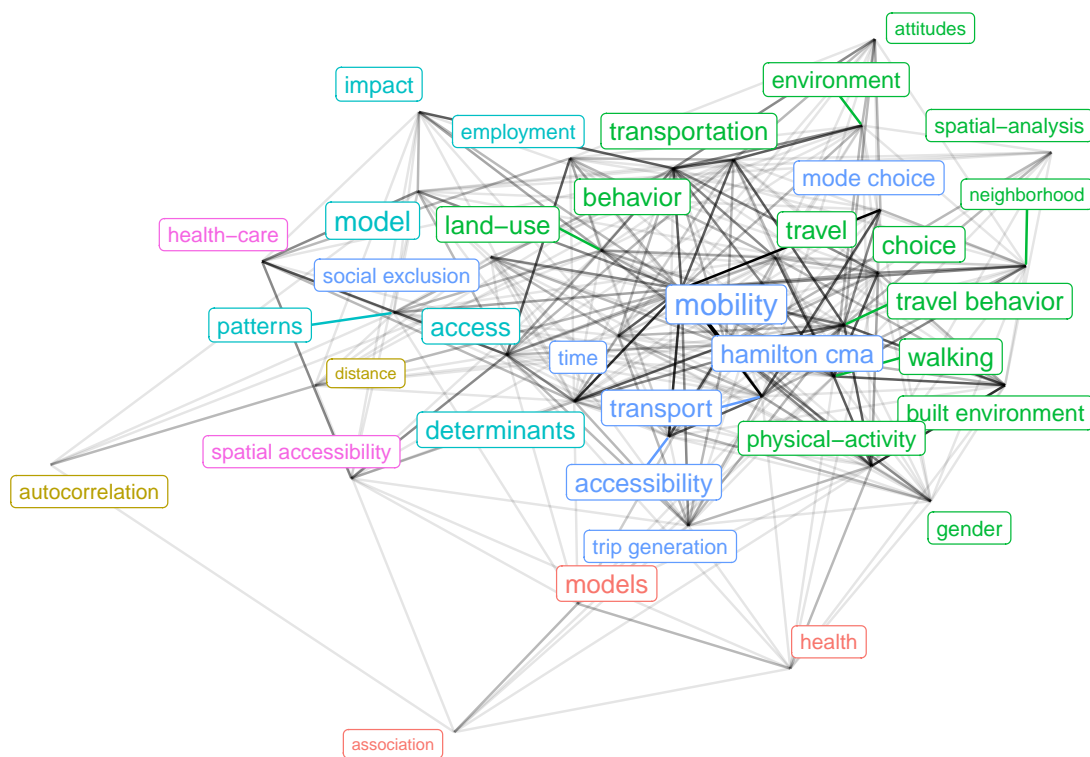


Figure 6: Key topics in my peer-reviewed publications

Lifetime Publications

BOOKS

1. 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

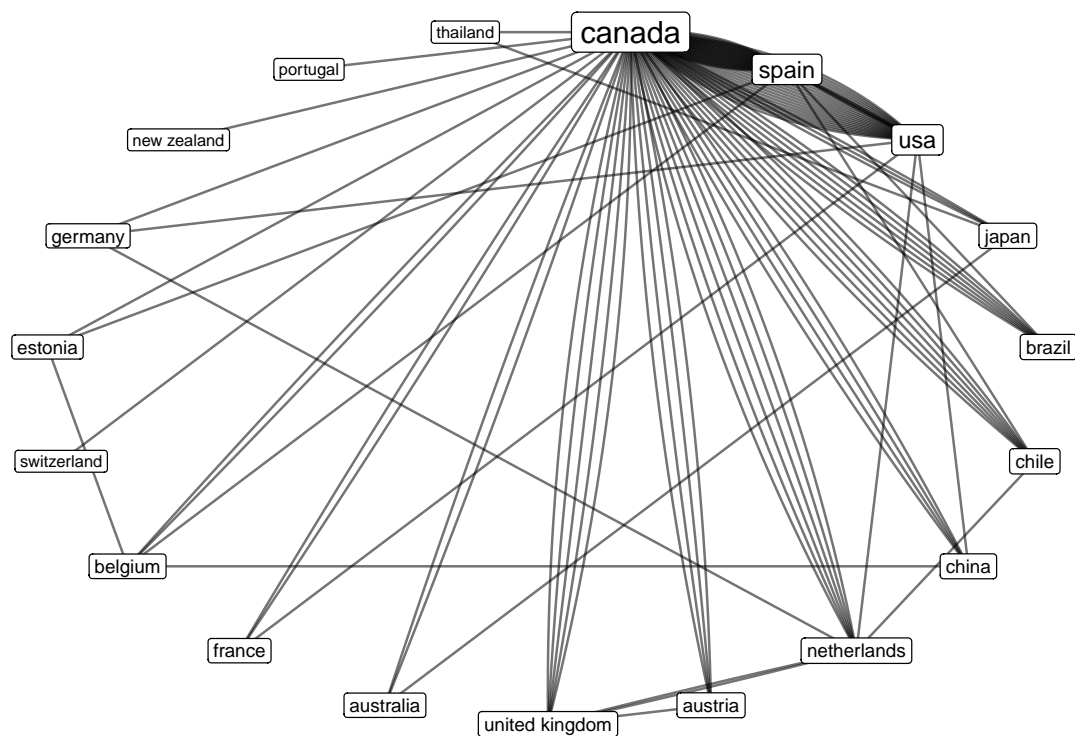


Figure 7: International collaborations

PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)

- Desjardins, E., Lam, J., Reynard, D., Collins, D., Waygood, E. O. D., & Páez, A. (2024). Framing active school travel in Ontario, or how spinach is good for you. *Transportation Research Part A: Policy and Practice*, 180, 103953. <https://doi.org/10.1016/j.tra.2024.103953>
- Soukhov, A., Tarriño-Ortiz, J., Soria-Lara, J. A., & Páez, A. (2024). Multimodal spatial availability: A singly-constrained measure of accessibility considering multiple modes. *PLOS ONE*, 19(2), e0299077. <https://doi.org/10.1371/journal.pone.0299077>
- Rey-Blanco, D., Arbués, P., López, F. A., & Páez, A. (2024). Using machine learning to identify spatial market segments. A reproducible study of major Spanish markets. *Environment and Planning B: Urban Analytics and City Science*, 51(1), 89–108. <https://doi.org/10.1177/23998083231166952>
- Merrall, J., Higgins, C. D., & Páez, A. (2024). What's a school worth to a neighborhood? A spatial hedonic analysis of property prices in the context of accommodation reviews in ontario. *Geographical Analysis*, 56(2), 217–243. <https://doi.org/10.1111/gean.12377>
- Jamal, S., & Páez, A. (2024). Exploring modal shift in non-active sustainable transport modes during the first wave of COVID-19 in bangladesh. *Multimodal Transportation*, 3(2), 100130. <https://doi.org/10.1016/j.multra.2024.100130>
- Jamal, S., & Páez, A. (2024). Socio-economic and demographic differences in the impact of COVID-19 on personal travel in the Global South. *Transport Reviews*, 44(2), 272–298. <https://doi.org/10.1080/01441647.2023.2295377>
- Soukhov, A., Páez, A., Higgins, C. D., & Mohamed, M. (2023). Introducing spatial availability, a singly-constrained measure of competitive accessibility [Journal Article]. *PLOS ONE*, 18(1), e0278468. <https://doi.org/10.1371/journal.pone.0278468>
- Soukhov, A., & Páez, A. (2023). TTS2016R: A data set to study population and employment patterns from the 2016 Transportation Tomorrow Survey in the Greater Golden Horseshoe Area, Ontario, Canada [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*, 50(2), 556–563. <https://doi.org/10.1177/23998083221146781>
- Santos, B. D. dos dos, Ribeiro, R. M., Páez, A., Kampel, M., Pinho, C. M. D. de, & Amaral, S. (2023). State-of-the-art and framework for identifying urban patterns by remote sensing data [Journal Article]. *Revista Brasileira de Cartografia*, 75. <https://doi.org/10.14393/rbcv75n0a-67966>
- Santos, B. D. dos, Pinho, C. M. D. de, Páez, A., & Amaral, S. (2023). Identifying urban and socio-environmental patterns of Brazilian Amazonian cities by remote sensing and machine learning [Journal Article]. *Remote Sensing*, 15(12), 3102. <https://www.mdpi.com/2072-4292/15/12/3102>
- Cheng, L., Wang, J., & Páez, A. (2023). Mobility of older adults and the living environment: introduction [Journal Article]. *Journal of Transport Geography*, 106, 103525. <https://doi.org/10.1016/j.jtrangeo.2022.103525>

12. Brum-Bastos, V., & Páez, A. (2023). Hägerstrand meets big data: Time-geography in the age of mobility analytics [Journal Article]. *Journal of Geographical Systems*, 25(3), 327–336. <https://doi.org/10.1007/s10109-023-00421-0>
13. Whalen, K., & Páez, 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>
14. 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/10.1016/j.tra.2022.05.011>
15. Páez, A. (2022). 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*, 54(4), 860–880. <https://doi.org/10.1111/gean.12307>
16. Desjardins, E., Tavakoli, Z., Páez, A., & Waygood, E. O. (2022). Children's access to non-school destinations by active or independent travel: A scoping review. In *International Journal of Environmental Research and Public Health* (Electronic Article No. 19; Vol. 19). <https://doi.org/10.3390/ijerph191912345>
17. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Páez, A. (2022). Correlates of bicycling trip flows in hamilton, Ontario: Fastest, quietest, or balanced routes? [Journal Article]. *Transportation*, 49(3), 867–895. <https://doi.org/10.1007/s11116-021-10197-1>
18. 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/10.1016/j.trd.2021.103091>
19. Demitiry, 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/10.1016/j.jtrangeo.2022.103356>
20. 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>
21. Whalen, K., & Páez, 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>
22. Páez, 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>
23. 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>
24. Páez, 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>
25. Pereira, R. H. M., Braga, C. K. V., Servo, L. M., Serra, B., Amaral, P., Gouveia, N., & Páez, 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>
26. Lira, B. M., & Páez, 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>
27. Higgins, C. D., Páez, 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>
28. Eldeeb, G., Mohamed, M., & Páez, 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>
29. Doulabi, S., Hassan, H. M., Ferguson, M. R., Razavi, S., & Páez, 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>
30. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Páez, 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>
31. Desjardins, E., Apatu, E., Razavi, S. D., Higgins, C. D., Scott, D. M., & Páez, 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>

32. de Arruda, R. G., de Menezes, T. A., dos Santos, J. M. A., Páez, 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/10.1016/j.econ.2021.11.007>
33. Victoriano, R., Páez, 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>
34. Sarlas, G., Páez, 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>
35. Romero, F., Gomez, J., Páez, 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>
36. Páez, 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>
37. Páez, 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>
38. 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>
39. 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>
40. Jamal, S., Mohiuddin, H., & Páez, 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>
41. He, L., Páez, 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>
42. Cupido, K., Jevtic, P., & Páez, 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>
43. Whalen, K., & Páez, 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>
44. Páez, 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>
45. Páez, 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>
46. Páez, 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>
47. Martin, B., & Páez, 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>
48. Arranz-Lopez, A., Soria-Lara, J. A., Witlox, F., & Páez, 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>
49. Lopez, F. A., Páez, 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>
50. Lopez, F. A., & Páez, 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>
51. He, L., Páez, 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.compenurbsys.2017.08.001>
52. He, L., Páez, 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>

53. Rojas, C., Páez, 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>
54. Moniruzzaman, M., & Páez, 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>
55. Lopez, F. A., Matilla-Garcia, M., Mur, J., Páez, 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>
56. Roofigari-Esfahan, N., Páez, 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)
57. Neto, R. S., Duarte, G., & Páez, 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>
58. Moniruzzaman, M., Páez, 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>
59. Moniruzzaman, M., Chudyk, A., Páez, 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>
60. He, L., Páez, 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>
61. Goetzke, F., Gerike, R., Páez, 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>
62. Farber, S., Ruiz Marin, M., & Páez, A. (2015). Testing for spatial independence using similarity relations [Journal Article]. *Geographical Analysis*, 47(2), 97–120. <https://doi.org/10.1111/gean.12044>
63. Wheeler, D. C., Páez, 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>
64. Reyes, M., Páez, 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>
65. Poulou, T., Elliott, S. J., Páez, 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>
66. Moniruzzaman, M., Páez, 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>
67. Farber, S., Bartholomew, K., Li, X., Páez, 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>
68. Whalen, K. E., Páez, 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>
69. 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.
70. Scott, D. M., Dugundji, E. R., & Páez, 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>
71. Páez, 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>
72. Páez, 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>
73. Páez, 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>
74. Páez, 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>

75. Páez, 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>
76. Moniruzzaman, M., Páez, 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>
77. Le Gallo, J., & Páez, 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>
78. Lavery, T. A., Páez, 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>
79. Whalen, K. E., Páez, 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>
80. Scott, D. M., Dam, I., Páez, 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>
81. Ruiz, M., Lopez, F., & Páez, 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>
82. Páez, 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>
83. Páez, A., Scott, D. M., & Morency, C. (2012). Measuring accessibility: Positive and normative implementations of various accessibility indicators [Journal Article]. *Journal of Transport Geography*, 25, 141–153. <https://doi.org/10.1016/j.jtrangeo.2012.03.016>
84. Páez, A., Ruiz, M., Lopez, F., & Logan, J. (2012). Measuring ethnic clustering and exposure with the Q statistic: An exploratory analysis of Irish, Germans, and Yankees in 1880 Newark [Journal Article]. *Annals of the Association of American Geographers*, 102(1), 84–102. <https://doi.org/10.1080/00045608.2011.620502>
85. Páez, A., & Farber, S. (2012). Participation and desire: Leisure activities among Canadian adults with disabilities [Journal Article]. *Transportation*, 39(6), 1055–1078. <https://doi.org/10.1007/s11116-012-9385-x>
86. Moniruzzaman, M., & Páez, A. (2012). Accessibility to transit, by transit, and mode share: Application of a logistic model with spatial filters [Journal Article]. *Journal of Transport Geography*, 24, 198–205. <https://doi.org/10.1016/j.jtrangeo.2012.02.006>
87. Moniruzzaman, M., & Páez, A. (2012). A model-based approach to select case sites for walkability audits [Journal Article]. *Health & Place*, 18(6), 1323–1334. <https://doi.org/10.1016/j.healthplace.2012.09.013>
88. Mercado, R. G., Páez, A., Farber, S., Roorda, M. J., & Morency, C. (2012). Explaining transport mode use of low-income persons for journey to work in urban areas: A case study of Ontario and Quebec [Journal Article]. *Transportmetrica*, 8(3), 157–179. <https://doi.org/10.1080/18128602.2010.539413>
89. Mejia-Dorantes, L., Páez, A., & Manuel Vassallo, J. (2012). Transportation infrastructure impacts on firm location: The effect of a new metro line in the suburbs of Madrid [Journal Article]. *Journal of Transport Geography*, 22, 236–250. <https://doi.org/10.1016/j.jtrangeo.2011.09.006>
90. López, F. A., & Páez, A. (2012). Distribution-free inference for q (m) based on permutational bootstrapping: An application to the spatial co-location pattern of firms in Madrid. *Estadística Española*, 54(177), 135–156.
91. Farber, S., Páez, A., & Morency, C. (2012). Activity spaces and the measurement of clustering and exposure: A case study of linguistic groups in Montreal [Journal Article]. *Environment and Planning a-Economy and Space*, 44(2), 315–332. <https://doi.org/10.1068/a44203>
92. Dugundji, E., Scott, D. M., Carrasco, J. A., & Páez, A. (2012). Urban mobility and social-spatial contact-introduction [Journal Article]. *Environment and Planning a-Economy and Space*, 44(5), 1011–1015. <https://doi.org/10.1068/a45183>
93. Drackley, A., Newbold, K. B., Páez, A., & Heddle, N. (2012). Forecasting Ontario's blood supply and demand [Journal Article]. *Transfusion*, 52(2), 366–374. <https://doi.org/10.1111/j.1537-2995.2011.03280.x>
94. Cimaroli, K., Páez, A., Newbold, K. B., & Heddle, N. M. (2012). Individual and contextual determinants of blood donation frequency with a focus on clinic accessibility: A case study of Toronto, Canada [Journal Article]. *Health & Place*, 18(2), 424–433. <https://doi.org/10.1016/j.healthplace.2011.12.005>
95. Barufi, A. M., Haddad, E., & Páez, A. (2012). Infant mortality in Brazil, 1980–2000: A spatial panel data analysis [Journal Article]. *BMC Public Health*, 12. <https://doi.org/10.1186/1471-2458-12-181>
96. Wilton, R. D., Páez, A., & Scott, D. M. (2011). Why do you care what other people think? A qualitative investigation of social influence and telecommuting [Journal Article]. *Transportation Research Part a-Policy and Practice*, 45(4), 269–282. <https://doi.org/10.1016/j.tra.2011.01.002>

97. Schettini, D., Azzoni, C. R., & Páez, A. (2011). Neighborhood and efficiency in manufacturing in Brazilian regions: A spatial markov chain analysis [Journal Article]. *International Regional Science Review*, 34(4), 397–418. <https://doi.org/10.1177/0160017611403141>
98. Páez, A., Trepanier, M., & Morency, C. (2011). Geodemographic analysis and the identification of potential business partnerships enabled by transit smart cards [Journal Article]. *Transportation Research Part a-Policy and Practice*, 45(7), 640–652. <https://doi.org/10.1016/j.tra.2011.04.002>
99. Páez, A., Farber, S., & Wheeler, D. (2011). A simulation-based study of geographically weighted regression as a method for investigating spatially varying relationships [Journal Article]. *Environment and Planning a-Economy and Space*, 43(12), 2992–3010. <https://doi.org/10.1068/a44111>
100. Morency, C., Páez, A., Roorda, M. J., Mercado, R., & Farber, S. (2011). Distance traveled in three Canadian cities: Spatial analysis from the perspective of vulnerable population segments [Journal Article]. *Journal of Transport Geography*, 19(1), 39–50. <https://doi.org/10.1016/j.jtrangeo.2009.09.013>
101. Mejia Dorantes, L., Páez, A., & Manuel Vassallo, J. (2011). Analysis of house prices to assess economic impacts of new public transport infrastructure Madrid Metro Line 12 [Journal Article]. *Transportation Research Record*, 2245, 131–139. <https://doi.org/10.3141/2245-16>
102. Farber, S., Páez, A., Mercado, R. G., Roorda, M., & Morency, C. (2011). A time-use investigation of shopping participation in three Canadian cities: Is there evidence of social exclusion? [Journal Article]. *Transportation*, 38(1), 17–44. <https://doi.org/10.1007/s11116-010-9282-0>
103. Farber, S., & Páez, A. (2011). Running to stay in place: The time-use implications of automobile oriented land-use and travel [Journal Article]. *Journal of Transport Geography*, 19(4), 782–793. <https://doi.org/10.1016/j.jtrangeo.2010.09.008>
104. Dugundji, E. R., Páez, A., Arentze, T. A., Walker, J. L., Carrasco, J. A., Marchal, F., & Nakanishi, H. (2011). Transportation and social interactions [Journal Article]. *Transportation Research Part a-Policy and Practice*, 45(4), 239–247. <https://doi.org/10.1016/j.tra.2011.01.001>
105. Schwanen, T., & Páez, A. (2010). The mobility of older people - an introduction [Journal Article]. *Journal of Transport Geography*, 18(5), 591–595. <https://doi.org/10.1016/j.jtrangeo.2010.06.001>
106. Ruiz, M., Lopez, F., & Páez, A. (2010). Testing for spatial association of qualitative data using symbolic dynamics [Journal Article]. *Journal of Geographical Systems*, 12(3), 281–309. <https://doi.org/10.1007/s10109-009-0100-1>
107. Roorda, M. J., Páez, A., Morency, C., Mercado, R., & Farber, S. (2010). Trip generation of vulnerable populations in three Canadian cities: A spatial ordered probit approach [Journal Article]. *Transportation*, 37(3), 525–548. <https://doi.org/10.1007/s11116-010-9263-3>
108. Ribeiro, A., Antunes, A. P., & Páez, A. (2010). Road accessibility and cohesion in lagging regions: Empirical evidence from Portugal based on spatial econometric models [Journal Article]. *Journal of Transport Geography*, 18(1), 125–132. <https://doi.org/10.1016/j.jtrangeo.2009.03.002>
109. Páez, A., & Whalen, K. (2010). Enjoyment of commute: A comparison of different transportation modes [Journal Article]. *Transportation Research Part a-Policy and Practice*, 44(7), 537–549. <https://doi.org/10.1016/j.tra.2010.04.003>
110. Páez, A., Mercado, R. G., Farber, S., Morency, C., & Roorda, M. (2010). Accessibility to health care facilities in Montreal Island: An application of relative accessibility indicators from the perspective of senior and non-senior residents [Journal Article]. *International Journal of Health Geographics*, 9. <https://doi.org/10.1186/1476-072x-9-52>
111. Páez, A., Mercado, R. G., Farber, S., Morency, C., & Roorda, M. (2010). Relative accessibility deprivation indicators for urban settings: Definitions and application to food deserts in Montreal [Journal Article]. *Urban Studies*, 47(7), 1415–1438. <https://doi.org/10.1177/0042098009353626>
112. Mercado, R., Páez, A., & Newbold, K. B. (2010). Transport policy and the provision of mobility options in an aging society: A case study of Ontario, Canada [Journal Article]. *Journal of Transport Geography*, 18(5), 649–661. <https://doi.org/10.1016/j.jtrangeo.2010.03.017>
113. Farber, S., & Páez, A. (2010). Employment status and commute distance of Canadians with disabilities [Journal Article]. *Transportation*, 37(6), 931–952. <https://doi.org/10.1007/s11116-010-9268-y>
114. Farber, S., & Páez, A. (2010). Spatial analysis in Canada: introduction [Journal Article]. *Canadian Geographer-Geographe Canadien*, 54(1), 1–3. <https://doi.org/10.1111/j.1541-0064.2009.00298.x>
115. Scott, D. M., Newbold, K. B., Spinney, J. E. L., Mercado, R., Páez, A., & Kanaroglou, P. S. (2009). New insights into senior travel behavior: The Canadian experience [Journal Article]. *Growth and Change*, 40(1), 140–168. <https://doi.org/10.1111/j.1468-2257.2008.00464.x>

116. Saberton, P. J., Páez, A., Newbold, K. B., & Heddle, N. M. (2009). Geographical variations in the correlates of blood donor turnout rates: An investigation of Canadian metropolitan areas [Journal Article]. *International Journal of Health Geographics*, 8. <https://doi.org/10.1186/1476-072x-8-56>
117. Páez, A. (2009). Recent research in spatial real estate hedonic analysis [Journal Article]. *Journal of Geographical Systems*, 11(4), 311–316. <https://doi.org/10.1007/s10109-009-0103-y>
118. Páez, A. (2009). Spatial analysis of economic systems and land use change [Journal Article]. *Papers in Regional Science*, 88(2), 251–258. <https://doi.org/10.1111/j.1435-5957.2009.00246.x>
119. Montero-Lorenzo, J.-M., Larraz-Iribas, B., & Páez, A. (2009). Estimating commercial property prices: An application of cokriging with housing prices as ancillary information [Journal Article]. *Journal of Geographical Systems*, 11(4), 407–425. <https://doi.org/10.1007/s10109-009-0095-7>
120. Mercado, R., & Páez, A. (2009). Determinants of distance traveled with a focus on the elderly: A multilevel analysis in the Hamilton CMA, Canada [Journal Article]. *Journal of Transport Geography*, 17(1), 65–76. <https://doi.org/10.1016/j.jtrangeo.2008.04.012>
121. Maoh, H., Kanaroglou, P., Scott, D., Páez, A., & Newbold, B. (2009). IMPACT: An integrated GIS-based model for simulating the consequences of demographic changes and population ageing on transportation [Journal Article]. *Computers Environment and Urban Systems*, 33(3), 200–210. <https://doi.org/10.1016/j.compenvurbsys.2008.10.004>
122. Kanaroglou, P. S., Maoh, H. F., Newbold, B., Scott, D. M., & Páez, A. (2009). A demographic model for small area population projections: An application to the Census Metropolitan Area of Hamilton in Ontario, Canada [Journal Article]. *Environment and Planning A*, 41(4), 964–979. <https://doi.org/10.1068/a40172>
123. Farber, S., Páez, A., & Volz, E. (2009). Topology and dependency tests in spatial and network autoregressive models [Journal Article]. *Geographical Analysis*, 41(2), 158–180. <https://doi.org/10.1111/j.1538-4632.2009.00751.x>
124. Farber, S., & Páez, A. (2009). My car, my friends, and me: A preliminary analysis of automobility and social activity participation [Journal Article]. *Journal of Transport Geography*, 17(3), 216–225. <https://doi.org/10.1016/j.jtrangeo.2008.07.008>
125. Páez, A., Scott, D. M., & Volz, E. (2008). A discrete-choice approach to modeling social influence on individual decision making [Journal Article]. *Environment and Planning B-Planning & Design*, 35(6), 1055–1069. <https://doi.org/10.1068/b3320t>
126. Páez, A., Scott, D. M., & Volz, E. (2008). Weight matrices for social influence analysis: An investigation of measurement errors and their effect on model identification and estimation quality [Journal Article]. *Social Networks*, 30(4), 309–317. <https://doi.org/10.1016/j.socnet.2008.05.001>
127. Páez, A., Long, F., & Farber, S. (2008). Moving window approaches for hedonic price estimation: An empirical comparison of modelling techniques [Journal Article]. *Urban Studies*, 45(8), 1565–1581. <https://doi.org/10.1177/0042098008091491>
128. Kanaroglou, P., Mercado, R., Mach, H., Páez, A., Scott, D. M., & Newbold, B. (2008). Simulation framework for analysis of elderly mobility policies [Journal Article]. *Transportation Research Record*, 2078, 62–71. <https://doi.org/10.3141/2078-09>
129. Dugundji, E., Páez, A., & Arentze, T. (2008). Social networks, choices, mobility, and travel introduction [Journal Article]. *Environment and Planning B-Planning & Design*, 35(6), 956–960. <https://doi.org/10.1068/b3506ged>
130. Páez, A., Scott, D., Potoglou, D., Kanaroglou, P., & Newbold, K. B. (2007). Elderly mobility: Demographic and spatial analysis of trip making in the Hamilton CMA, Canada [Journal Article]. *Urban Studies*, 44(1), 123–146. <https://doi.org/10.1080/00420980601023885>
131. Páez, A., & Scott, D. M. (2007). Social influence on travel behavior: A simulation example of the decision to telecommute [Journal Article]. *Environment and Planning A-Economy and Space*, 39(3), 647–665. <https://doi.org/10.1068/a37424>
132. Páez, A. (2007). Spatial perspectives on urban systems: Developments and directions [Journal Article]. *Journal of Geographical Systems*, 9(1), 1–6. <https://doi.org/10.1007/s10109-007-0041-5>
133. Mercado, R., Páez, A., Scott, D. M., Newbold, K. B., & Kanaroglou, P. (2007). Transport policy in aging societies: An international comparison and implications for Canada. *The Open Transportation Journal*, 1(1). <https://doi.org/10.2174/1874447800701010001>
134. Farber, S., & Páez, A. (2007). A systematic investigation of cross-validation in GWR model estimation: Empirical analysis and monte carlo simulations [Journal Article]. *Journal of Geographical Systems*, 9(4), 371–396. <https://doi.org/10.1007/s10109-007-0051-3>
135. Vichiensan, V., Páez, A., Kawai, K., & Miyamoto, K. (2006). Nonstationary spatial interpolation method for urban model development [Conference Proceedings]. *85th Annual Meeting of the Transportation-Research-Board*, 103–111.
136. Páez, A. (2006). Exploring contextual variations in land use and transport analysis using a probit model with geographical weights [Journal Article]. *Journal of Transport Geography*, 14(3), 167–176. <https://doi.org/10.1016/j.jtrangeo.2005.11.002>
137. Páez, A. (2005). Local analysis of spatial relationships: A comparison of GWR and the expansion method [Book Section]. In O. Gervasi, M. L. Gavrilova, V. Kumar, A. Lagana, H. P. Lee, Y. Mun, D. Taniar, & C. J. K. Tan (Eds.), *Computational science and its applications - iccsa 2005, pt 3* (Vol. 3482, pp. 162–172). ://WOS:000229696900018

138. Newbold, K. B., Scott, D. M., Spinney, J. E., Kanaroglou, P., & Páez, A. (2005). Travel behavior within Canada's older population: A cohort analysis. *Journal of Transport Geography*, 13(4), 340–351. <https://doi.org/10.1016/j.jtrangeo.2004.07.007>
139. Mercado, R., & Páez, A. (2005). Context and prospects for integrated urban models for metropolitan policy analysis and planning in developing countries: The case of Metro Manila. *Journal of the Eastern Asia Society for Transportation Studies*, 6, 3744–3759.
140. Páez, A., & Scott, D. M. (2004). Spatial statistics for urban analysis: A review of techniques with examples. *GeoJournal*, 61(1), 53–67. <https://doi.org/10.1007/s10708-005-0877-5>
141. Páez, A. (2004). Anisotropic variance functions in geographically weighted regression models [Journal Article]. *Geographical Analysis*, 36(4), 299–314. <https://doi.org/10.1111/j.1538-4632.2004.tb01138.x>
142. Páez, A. (2004). Network accessibility and the spatial distribution of economic activity in Eastern Asia [Journal Article]. *Urban Studies*, 41(11), 2211–2230. <https://doi.org/10.1080/0042098042000268429>
143. Miyamoto, K., Vichiensan, V., Shimomura, N., & Páez, A. (2004). Discrete choice model with structuralized spatial effects for location analysis. *Transportation Research Record*, 183–190. <https://doi.org/10.3141/1898-22>
144. Páez, A., Black, J., & Suthanaya, P. (2003). Spatial and temporal analysis of zonal journey-to-work preference functions in Sydney, 1961-1996. *Journal of the Eastern Asia Society for Transportation Studies*, 5.
145. Páez, A., Uchida, T., & Miyamoto, K. (2002). A general framework for estimation and inference of geographically weighted regression models: 1. Location-specific kernel bandwidths and a test for locational heterogeneity [Journal Article]. *Environment and Planning A*, 34(4), 733–754. <https://doi.org/10.1068/a34110>
146. Páez, A., Uchida, T., & Miyamoto, K. (2002). A general framework for estimation and inference of geographically weighted regression models: 2. Spatial association and model specification tests [Journal Article]. *Environment and Planning a-Economy and Space*, 34(5), 883–904. <https://doi.org/10.1068/a34133>
147. Black, J. A., Páez, A., & Suthanaya, P. A. (2002). Sustainable urban transportation: Performance indicators and some analytical approaches [Journal Article]. *Journal of Urban Planning and Development*, 128(4), 184–209. [https://doi.org/10.1061/\(asce\)0733-9488\(2002\)128:4\(184\)](https://doi.org/10.1061/(asce)0733-9488(2002)128:4(184))
148. Páez, A., Uchida, T., & Miyamoto, K. (2001). Spatial association and heterogeneity issues in land price models [Journal Article]. *Urban Studies*, 38(9), 1493–1508. <https://doi.org/10.1080/00420980120076768>
149. Páez, A., & Suzuki, J. (2001). Transportation impacts on land use change: An assessment considering neighborhood effects. *Journal of the Eastern Asia Society for Transportation Studies*, 4(6), 47–59.
150. Páez, A., Miyamoto, K., Yamada, E., & Kitazume, K. (2001). Transportation network and accessibility analysis in Eastern Asia based on a geographical information system. *Journal of the Eastern Asia Society for Transportation Studies*, 4(6), 221–225.
151. Páez, A., Uchida, T., & Miyamoto, K. (2000). Spatial economic externalities and coordinated land use-transportation planning [Conference Proceedings]. *9th International Conference of the Cooperation for the Continuing Development of Urban and Suburban Transportation*, 649–655.
152. Páez, A., Uchida, T., & Miyamoto, K. (1999). A spatial analysis of external economies and its association with transportation infrastructure: The case of Sendai City. *Journal of the Eastern Asia Society for Transportation Studies*, 3(4), 149–164.
153. Páez, A., Uchida, T., & Miyamoto, K. (1998). Urbanization and the urban heat island effect from a spatial descriptive approach. *Papers on City Planning*, 33, 67–72.
154. Miyamoto, K., Sugiki, N., Uchida, T., & Páez, A. (1997). A GIS based land-use model dealing with building types by small unit of land in a metropolitan area. *Journal of the Eastern Asia Society for Transportation Studies*, 2, 1943–1959.

PEER-REVIEWED JOURNAL ARTICLES (ACCEPTED FOR PUBLICATION IN FINAL FORM)

1. Jamal, S., & Páez, A. (2023). Well-being implications of immobility during COVID-19: Evidence from a student sample in Bangladesh using the satisfaction with life scale [Journal Article]. *Transportation*. <https://doi.org/10.1007/s11116-023-10395-z>
2. Rey-Blanco, D., Arbues, P., Lopez, F., & Paez, A. A geo-referenced micro-data set of real estate listings for Spain's three largest cities. *Environment and Planning B: Urban Analytics and City Science*, 0(0), 23998083241242844. <https://doi.org/10.1177/23998083241242844>

PEER-REVIEWED JOURNAL ARTICLES (SUBMITTED FOR PUBLICATION)

1. Tavakoli, Z., Abdollahi, S., Waygood, O., Páez, A., & Geneviève, B. (2024). Developing a framework for children's accessibility considering traffic danger: A case study in Montreal, Canada [Journal Article]. *Transportation Research Part D: Transport and Environment*.
2. Tavakoli, Z., Abdollahi, S., Waygood, O., & Páez, A. (2024). "Where Do Children Go?" Exploring Children's Daily Destinations with Children, Parents, And Experts [Journal Article]. *Urban Planning*.

3. 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*.
4. Ruiz Marín, M., López, F. A., Páez, A., Debarsy, N., & Ertur, C. (2024). A test for global and local homogeneity of categorical data based on spatial runs [Journal Article]. *Geographical Analysis*.
5. Elizondo-Candanedo, R., Arranz-López, A., Soria-Lara, J., & Páez, A. (2024). When e-activities meet spatial accessibility: A theoretical framework and empirical space-time thresholds for simulated spatial settings [Journal Article]. *Journal of Transportat Geography*.

PEER-REVIEWED CONFERENCE PRESENTATIONS

1. Santos, B. D. dos, Azevedo, M. N. de, Kanzato, L. A. B., Pinho, C. M. D. de, Paez, 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.
2. Santos, B. dos, Amaral, S., Pinho, C. M. D. de, & Paez, A. (2023). Adapting socioeconomic indicators and identifying intra-urban typologies in santarém—PA. *Proceedings of the Anais Do XX Simpósio Brasileiro de Sensoriamento Remoto, Florianópolis, Brazil*, 1941–1944.
3. Santos, B. D. dos, Amaral, S., Paez, 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.
4. Dam, I., Scott, D., Paez, A., & Wilton, R. (2010). Exploring factors underlying the decision to telework. *89th Annual Meeting of the Transportation Research Board*.
5. Moniruzzaman, M., Chudyk, A., Paez, A., Winters, M., Sims-Gould, J., & McKay, H. (2015). Travel behavior of low income older adults and development of an accessibility calculator. *94th Annual Meeting of the Transportation Research Board*.
6. Moniruzzaman, M., Paez, A., & Morency, C. (2014). Potential contributions of walking toward physical activity guidelines of seniors. *93rd Annual Meeting of the Transportation Research Board*.
7. Farber, S., Bartholomew, K., Li, X., Paez, A., & Khandker, N. (2014). Social equity in distance-based transit fares. *93rd Annual Meeting of the Transportation Research Board*.
8. Reyes, M., Paez, A., & Morency, C. (2013). Accessibility to urban parks in montreal from the perspective of children. *92nd Annual Meeting of the Transportation Research Board*.
9. Paez, A., Lopez, F., Ruiz, M., & Morency, C. (2013). Development of indicator to assess spatial fit of discrete choice models. *92nd Annual Meeting of the Transportation Research Board*.
10. Whalen, K., Paez, A., Bhat, C., Moniruzzaman, M., & Paleti, R. (2012). Street networks, mode of travel, and sense of community in a university town. *91st Annual Meeting of the Transportation Research Board*.
11. Paez, A., Trepanier, M., & Morency, C. (2012). Modeling isoexposure to transit users for market potential analysis. *91st Annual Meeting of the Transportation Research Board*.
12. Paez, A., Moniruzzaman, M., Bourbonnais, P., & Morency, C. (2012). Developing a web-based accessibility calculator prototype for the greater montreal area, canada. *91st Annual Meeting of the Transportation Research Board*.
13. Moniruzzaman, M., & Paez, A. (2012). From meso-scale analysis to micro-scale environments: A model-based approach to select case sites for conducting walkability audits. *91st Annual Meeting of the Transportation Research Board*.
14. Paez, A., Trepanier, M., & Morency, C. (2011). Identifying commercial partners for non-fare policies based on the use of transit smart cards: Geodemographic analysis of montreal metro. *90th Annual Meeting of the Transportation Research Board*.
15. Paez, A., & Farber, S. (2011). Recreation and leisure by persons with disabilities: Analysis of transportation factors based on canada's participation activity limitation survey. *90th Annual Meeting of the Transportation Research Board*.
16. Mejia, L., Dorantes, Paez, A., & Vasallo, J. (2011). Transportation infrastructure impacts on firm location: The effect of a new metro line in the suburbs of madrid. *90th Annual Meeting of the Transportation Research Board*.
17. Ruminot, N., Paez, A., & Carrasco, J. (2010). Network topology, autocorrelation, and node vulnerability. *89th Annual Meeting of the Transportation Research Board*.
18. Mercado, R., Paez, A., Farber, S., Roorda, M., & Morency, C. (2010). Journey-to-work in urban areas: Explaining travel mode choice of low-income persons in ontario and quebec. *89th Annual Meeting of the Transportation Research Board*.
19. Mejia, L., Dorantes, Vasallo, J., & Paez, A. (2010). Analyzing the economic impact of a new metro line in house prices: Madrid line 12 case study. *XVI Pan-American Conference of Traffic and Transportation Engineering and Logistics*.
20. Mejia, L., Dorantes, Paez, A., & Vasallo, J. (2010). Assessment of the influence due to a new metro line on the promotion of business activities around stations: A case study of metrosur in madrid. *12th World Conference for Transport Research*.
21. Farber, S., Paez, A., Mercado, R., Roorda, M., & Morency, C. (2010). Transport and social exclusion: A time-use investigation of shopping participation in three canadian cities. *89th Annual Meeting of the Transportation Research Board*.

22. Farber, S., & Paez, A. (2010). Employment status and commute distance of Canadians with disabilities. *89th Annual Meeting of the Transportation Research Board.*
23. Roorda, M., Paez, A., Morency, C., Mercado, R., & Farber, S. (2009). Trip generation of vulnerable populations in three Canadian cities: A spatial ordered probit approach. *88th Annual Meeting of the Transportation Research Board.*
24. Ribeiro, A., Antunes, A., & Paez, A. (2009). Road accessibility and economic development: Empirical evidence from Portugal based on spatial econometric models. *88th Annual Meeting of the Transportation Research Board.*
25. Paez, A., Mercado, R., Farber, S., Morency, C., & Roorda, M. (2009). At the intersection between opportunities and travel: Development of a new indicator of relative accessibility. *88th Annual Meeting of the Transportation Research Board.*
26. Paez, A., Habib, H., & Bonin, J. (2009). A joint ordinal-continuous model for activity episode generation and duration analysis. *88th Annual Meeting of the Transportation Research Board.*
27. Morency, C., Paez, A., Roorda, M., Mercado, R., & Farber, S. (2009). Social and spatial dimensions of distance traveled in three Canadian metropolitan areas. *88th Annual Meeting of the Transportation Research Board.*
28. Kanaroglou, P., Mercado, R., Maoh, H., Paez, A., Scott, D., & Newbold, K. (2008). Policy simulation framework for analyzing elderly mobility issues using IMPACT decision support system. *87th Annual Meeting of the Transportation Research Board.*
29. Kanaroglou, P., Maoh, H., Newbold, K., Scott, D., & Paez, A. (2008). Demographic model for small-area population projections: Application to census metropolitan area of Hamilton in Ontario. *87th Annual Meeting of the Transportation Research Board.*
30. Farber, S., & Paez, A. (2008). Automobility and social activity participation: Preliminary analysis using data from a U.S. city. *87th Annual Meeting of the Transportation Research Board.*
31. Mercado, R., Paez, A., & Newbold, K. (2007). Benchmarking transport policy in an ageing society in the Ontario province, Canada. *11th World Conference for Transport Research.*
32. Mercado, R., & Paez, A. (2007). Mobility of Canadian elderly: Multilevel analysis of distance traveled in the Hamilton CMA, Ontario, Canada. *86th Annual Meeting of the Transportation Research Board.*
33. Kanaroglou, P., Mercado, R., Maoh, H., Paez, A., Scott, D., & Newbold, K. (2007). Simulating the impact of population aging on urban transportation infrastructure: An application to Hamilton, Canada. *11th World Conference for Transport Research.*
34. Vichiensan, V., Paez, A., Kawai, K., & Miyamoto, K. (2006). Non-stationary interpolation method for urban model development. *85th Annual Meeting of the Transportation Research Board.*
35. Mercado, R., Paez, A., Newbold, K., Scott, D., & Kanaroglou, P. (2006). Transport policy in ageing societies: An international comparison and implications for Canada. *85th Annual Meeting of the Transportation Research Board.*
36. Paez, A., & Scott, D. (2005). Social influence and the decision to telecommute: A simulation example. *84th Annual Meeting of the Transportation Research Board.*
37. Paez, 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.*
38. Paez, A. (2004). Development of a binary probit model for continuous-space contextual effects. *10th World Conference for Transport Research.*
39. Vichiensan, V., Paez, 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.*
40. Paez, A. (2003). Spatial statistics for urban analysis: A review of new techniques with examples. *9th Conference on Computers in Urban Planning and Urban Management.*
41. Paez, 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

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Unsolicited Advice, Presenter

Hamilton, Canada

April 15-2024

Open Educational Resources: What, Why and How?

UNIVERSIDAD COMPLUTENSE DE MADRID

- Unsolicited Advice, Presenter

Madrid, Spain

June 12-2023

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

McMASTER UNIVERSITY

- Unsolicited Advice, Instructor

Hamilton, Canada

April 14 and 21-2023

Accessibility and Threshold Selection

POLYTECHIQUE MONTRÉAL

- Unsolicited Advice, Presenter

Montréal, Canada

May 20-2022

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, McMASTER UNIVERSITY

- Unsolicited Advice, Presenter

Hamilton, Canada

April 4-2022

Invited Talks, Seminars, Workshops, Courses, and Panels

LIFETIME TALKS, SEMINARS, WORKSHOPS, PANELS

My lifetime number of talks is 121.

MOST RECENT 7 YEARS

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

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

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 REPRODUCIBILI TEA

- Invited Talk, Speaker

Hamilton, Canada

October 17-2023

Introducing spatial availability, a singly-constrained accessibility measure

POLYTECHIQUE MONTRÉAL

- Workshop, Instructor

Montréal, Canada

October 7-2023

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

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

An introduction to exploratory data analysis in R

ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA IN RIMINI

- Invited workshop, Instructor

Rimini, Italy

November 14, 17, and 18-2022

An introduction to exploratory data analysis in R

GRAN SASSO SCIENCE INSTITUTE

- Invited workshop, Instructor

L'Aquila, Italy

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

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 with Introduction to Spatial Data Analysis and 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

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

Montréal, Canada

May 23-2018

Methodology: spatial statistics with R

GRAN SASSO SCIENCE INSTITUTE

- Short Course, Instructor

L'Aquila, Italy

March 12 to 14-2018

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

Toronto, Canada

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

Cambridge, UK

October 11-2017

A simple indicator for inequality analysis in activity/travel behavior

BARTLETT SCHOOL OF PLANNING, UNIVERSITY COLLEGE LONDON

- Invited Talk, Speaker

London, UK

October 9-2017

Exploratory spatial data analysis of categorical data

REGIONAL SCIENCE ASSOCIATION INTERNATIONAL-GRAN SASSO SCIENCE INSTITUTE SUMMER SCHOOL

- Invited workshop, Instructor

L'Aquila, Italy

July 3 to 4-2017

Spatial Clustering of Traveller Attitudinal Profiles

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 12-2017

Departmental, Faculty, University Service

AI Expert Panel: Teaching and Learning

MEMBER

McMaster University

May 2024-June 2024

2023 CPM Committee

MEMBER

School of Earth, Environment and

Society, McMaster University

February 2024-March 2024

Faculty of Science Mentorship Program

MENTOR

Faculty of Science, McMaster

University

September 2023-April 2024

2022 NSERC CGM-Master Ranking Committee

MEMBER

Faculty of Science, McMaster

University

September 2021-March 2022

2021 CPM Committee

MEMBER

2019 CPM Committee

MEMBER

Graduate Committee

MEMBER

2018 CPM Committee

MEMBER

Search Committee Geology Hire

CHAIR

Search Committee Teaching Stream Hire

CHAIR

Teaching Workload Committee

MEMBER

University Librarian Search Committee

MEMBER

Space Committee

MEMBER

Tenure and Promotion Committee

MEMBER

High School and Community Outreach, Publicity Committee

MEMBER

Building safety committee

MEMBER

Space Committee

MEMBER

Publicity Committee

MEMBER

Search Committee Geography Hire

MEMBER

Graduate Committee

MEMBER

Search Committee Geography Hire

MEMBER

*School of Earth, Environment and
Society, McMaster University
February 2022-March 2022*

*School of Earth, Environment and
Society, McMaster University
February 2020-March 2020*

*School of Earth, Environment and
Society, McMaster University
July 2019-April 2020*

*School of Earth, Environment and
Society, McMaster University
February 2019-March 2019*

*School of Geography and Earth
Sciences, McMaster University
June 2018-April 2019*

*School of Geography and Earth
Sciences, McMaster University
June 2017-May 2018*

*School of Geography and Earth
Sciences, McMaster University
July 2014-July 2015*

*McMaster University
January 2013-July 2013*

*School of Geography and Earth
Sciences, McMaster University
July 2011-July 2014*

*Faculty of Science, McMaster
University
July 2010-July 2013*

*School of Geography and Earth
Sciences, McMaster University
July 2010-July 2011*

*School of Geography and Earth
Sciences, McMaster University
July 2009-July 2010*

*School of Geography and Earth
Sciences, McMaster University
July 2007-July 2008*

*School of Geography and Earth
Sciences, McMaster University
July 2006-July 2008*

*School of Geography and Earth
Sciences, McMaster University
September 2006-April 2007*

*School of Geography and Earth
Sciences, McMaster University
July 2003-July 2008*

*School of Geography and Geology,
McMaster University
September 2003-April 2004*