

Antonio Páez

PROFESSOR

School of Earth, Environment and Society
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About this CV

This CV was created programmatically using the R statistical language, and it can be accessed in folder 00-Official-CV of this repository:

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

About Me

- I trained in civil engineering before being adopted into geography.
- My areas of interest include transportation, equity, justice, spatial analysis, spatial statistics, travel behavior, and cities.
- Also, too, mathematics, computer languages, science fiction, poetry, and history.
- My research has been funded by all three agencies in the Tri-Council: CIHR, NSERC, and SSHRC.
- As of Sep. 25, 2025, the total number of citations to my work is 13,232, my *h*-index is 59 and my *i*10-index is 138, meaning that 138 of my publications have been cited 10 times or more (source: Google Scholar).
- A 2024 global bibliometric analysis by Research.com of the most influential scholars in the social sciences and humanities (about 16,000 researchers) places me in the **top 3%** of scholars in the world.
- In 2024 I was recognized with the **Edward L. Ullman Award** of the Association of American Geographers for lifelong commitment and contributions to the field of transportation geography.
- In 2010 a research team I led was recognized with the **Meredith F. Burrill Award** of the Association of American Geographers for exceptional work at the intersection of policy and basic research in geography.

Education

Tohoku University

PHD Sendai, Japan

1997-2000

- Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects

Tohoku University

M.Sc. Sendai, Japan

1995-1997

- Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

Instituto Tecnológico y de Estudios Superiores de Monterrey

B.ENG. Monterrey, Mexico

1989-1993

Current Status at McMaster

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

Employment History

ACADEMIC

School of Earth, Society and Environment, McMaster University

PROFESSOR Hamilton, Canada

July 2014-present

School of Geography and Earth Sciences, McMaster University

ASSOCIATE PROFESSOR Hamilton, Canada

July 2007-June 2014

School of Geography and Geology, McMaster University

ASSISTANT PROFESSOR Hamilton, Canada

July 2002-June 2007

INDUSTRY

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

Honours

SCIENTIFIC AWARDS

Edward L. Ullman Award for outstanding contributions to the field of transportation geography

United States

ASSOCIATION OF AMERICAN GEOGRAPHERS

2024

- Antonio Páez

Outstanding Achievement Award in Humanities and Social Sciences Research (1st Prize)

China

SHAANXI SYSTEM OF UNIVERSITIES

2021

- Li He, Antonio Páez, Jianmin Jiao, Ping An, Chuntian Lu, Wen Mao, and Dongping Long

Meredith F. Burrill Award for work of exceptional merit and quality at the intersection of basic research in geography and policy implications

United States

ASSOCIATION OF AMERICAN GEOGRAPHERS

2010

- Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda

Best Presentation Award

Japan

JAPAN SOCIETY OF CIVIL ENGINEERS

2002

- K. Kawai, K. Miyamoto, V. Vichiensan, and Antonio Páez

VISITING PROFESSORSHIPS

Universidade Federal do ABC

Brazil

VISITING PROFESSORSHIP

2024

Universidad Politécnica de Madrid

Spain

VISITING PROFESSORSHIP

2008

SCHOLARSHIPS

Japanese Ministry of Science, Education and Culture (Monbusho)

Japan

GRADUATE SCHOLARSHIP

October, 1997-September, 2000

Japanese Ministry of Science, Education and Culture (Monbusho)

Japan

GRADUATE SCHOLARSHIP

April, 1995-September, 1997

TRAINEE HONOURS

Elise Desjardins

Winner, Master's Competition

TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

2021

Md Moniruzzaman

Young Researcher Award

INTERNATIONAL TRANSPORTATION FORUM

2016

Md Moniruzzaman

Age+ Prize

CANADIAN INSTITUTES FOR HEALTH RESEARCH, INSTITUTE OF AGING

2014

Md Moniruzzaman

Ph.D. Prestige Grant

WORLD CONFERENDE OF TRANSPORT RESEARCH SOCIETY

2013

Md Moniruzzaman

Winner, Master's Competition

TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

2012

Steven Farber

Honorable Mention, Ph.D. Competition

TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

2011

EDITORSHIPS

Editor-in-Chief
JOURNAL OF GEOGRAPHICAL SYSTEMS

January 2008-present

Associate Editor
PAPERS IN REGIONAL SCIENCE

November 2016-August 2019

GUEST EDITORSHIPS

Guest Editor

BECKY LOO, ANTONIO PÁEZ, LONG CHENG, JIAOE WANG
• Elderly’s Mobility and the Living Environment

Journal of Transport Geography
Virtual Special Issue
2022

Guest Editor

FRANK GOETZKE, REGINE GERIKE, ANTONIO PÁEZ, ELEENNA DUGUNDJI
• Social interactions in transportation: analyzing groups and spatial networks

Transportation 42 (5)
2015

Guest Editor

DARREN M. SCOTT, ELEENNA DUGUNDJI, ANTONIO PÁEZ
• The Social Dimension of Travel, Activity, and Location Choice Behavior

Journal of Transport Geography 31
2013

Guest Editor

ELEENNA DUGUNDJI, DARREN M. SCOTT, JUAN A. CARRASCO, AND ANTONIO PÁEZ
• Urban mobility and social-spatial interaction

Environment and Planning A 44 (5)
2012

Guest Editor

ELEENNA R. DUGUNDJI, ANTONIO PÁEZ, THEO ARENTZE, JOAN L. WALKER
• Transportation and social interactions

Transportation Research Part A - Policy and Practice 45 (4)
2011

Guest Editor

TIM SCHWANEN AND ANTONIO PÁEZ
• The Mobility of Older People

Journal of Transport Geography 18 (5)
2010

Guest Editor

STEVEN FARBER AND ANTONIO PÁEZ
• Spatial Analysis in Canada

The Canadian Geographer 54 (1)
2010

Guest Editor

ANTONIO PÁEZ
• Spatial analysis of economic systems and land use change

Papers in Regional Science 88 (2)
2009

Guest Editor

ELEENNA DUGUNDJI, ANTONIO PÁEZ, THEO ARENTZE
• Social networks, choices, mobility, and travel

Environment and Planning B 35 (6)
2008

Guest Editor

ANTONIO PÁEZ
• Spatial Analysis of Urban Systems

Journal of Geographical Systems 9 (1)
2007

EDITORIAL BOARDS

Editorial Board Member
COMPUTERS, ENVIRONMENT, AND URBAN SYSTEMS

January 2012-December 2017

Editorial Board Member
DECISION SUPPORT SYSTEMS

April 2014-March 2017

Editorial Board Member ECONOMIC AND BUSINESS LETTERS	January 2014-present
Editorial Board Member ENVIRONMENT AND PLANNING A	January 2010-December 2017
Editorial Board Member GEOGRAPHICAL ANALYSIS	2018-present
Editorial Board Member INGENIERÍA DE TRANSPORTE	2015-present
Editorial Board Member INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE	January 2019-present
Editorial Board Member JOURNAL OF TRANSPORT GEOGRAPHY	2018-present
Editorial Board Member OPEN ENVIRONMENTAL JOURNAL	January, 2008-May, 2012
Editorial Board Member OPEN GEOGRAPHY JOURNAL	January, 2008-May, 2012
Editorial Board Member OPEN URBAN STUDIES JOURNAL	January, 2008-May, 2012
Editorial Board Member PAPERS IN REGIONAL SCIENCE	January 2015-December 2020
Editorial Board Member TRANSPORTATION	January 2012-present

Scholarly and Professional Activities

JOURNAL REFEREE

0.0.1 Number of Total Lifetime Reviews

339

0.0.2 Number of Reviews in 2025

1

0.0.3 Reviews-to-Publications per Year

Fig. 1 is a summary of journal reviews and publications per year. This is an indicator of my contributions to peer-reviewing relative to the demands my submissions put on peer-reviewers.

0.0.4 Reviews per journal

AGEING AND SOCIETY	2
ANNALS OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS	4
APPLIED GEOGRAPHY	3
APPLIED SPATIAL ANALYSIS AND POLICY	4
AUTOMOTIVES	1
CANADIAN JOURNAL OF REGIONAL SCIENCE	1
CARTOGRAPHY AND GEOGRAPHIC INFORMATION SCIENCE	1
CASE STUDIES IN TRANSPORT POLICY	1
COMPUTATIONAL AND MATHEMATICAL ORGANIZATION THEORY	1

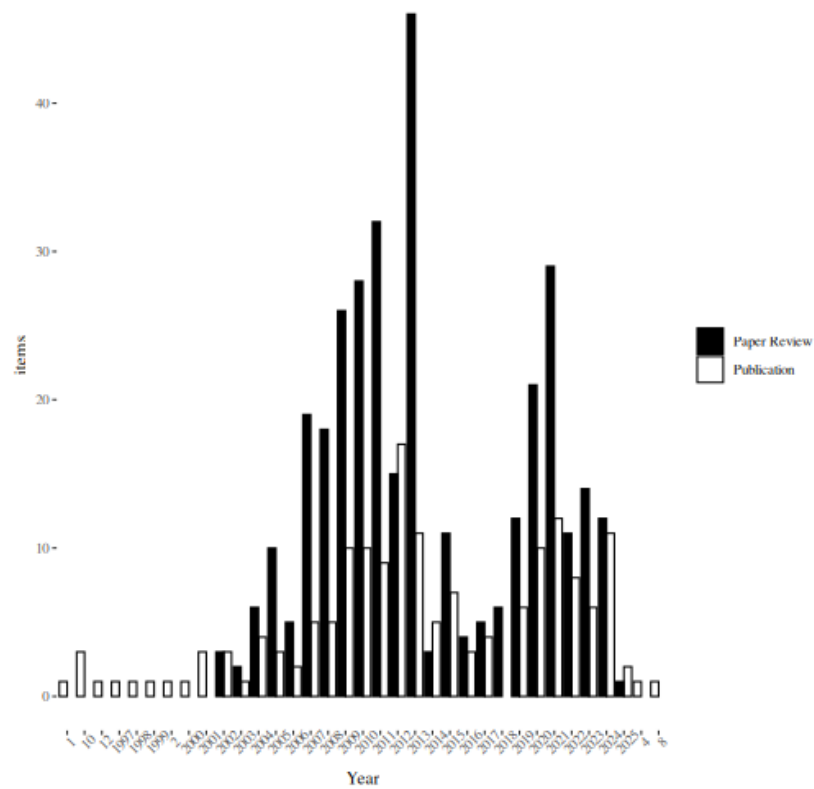


Figure 1: Reviews-to-publications by year

COMPUTERS AND GEOSCIENCES	1
COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS	14
DECISION SUPPORT SYSTEMS	1
ECOLOGICAL APPLICATIONS	1
ECONOMIA APLICADA	1
ECONOMIC MODELLING	1
ENVIRONMENT AND PLANNING A	15
ENVIRONMENT AND PLANNING B	8
ENVIRONMENTAL MODELLING & ASSESSMENT	1
FINDINGS	4
GEO-SPATIAL INFORMATION SCIENCE	1
GEOJOURNAL	1
GEOGRAPHICAL ANALYSIS	26
HEALTH POLICY AND TECHNOLOGY	1
HEALTH AND PLACE	8
IEEE ACCESS	1
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION	1
INTERNATIONAL JOURNAL OF DIGITAL EARTH	1
INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE	8
INTERNATIONAL JOURNAL OF HEALTH GEOGRAPHICS	1
INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION	3
INTERNATIONAL JOURNAL OF TRANSPORT MANAGEMENT	1
INTERNATIONAL REGIONAL SCIENCE REVIEW	2
INVESTIGACIONES REGIONALES	1

JOURNAL OF GEOGRAPHICAL SYSTEMS	5
JOURNAL OF REGIONAL SCIENCE	5
JOURNAL OF TRANSPORT GEOGRAPHY	28
JOURNAL OF TRANSPORT AND HEALTH	3
JOURNAL OF TRANSPORT AND LAND USE	3
JOURNAL OF THE EASTERN ASIA SOCIETY FOR TRANSPORTATION STUDIES	6
LAND USE POLICY	1
LANDSCAPE ECOLOGY	1
LANDSCAPE AND URBAN PLANNING	4
LOWLAND TECHNOLOGY INTERNATIONAL JOURNAL	2
METHODS	1
NETWORKS AND SPATIAL ECONOMICS	1
PLOS ONE	2
PAPERS IN REGIONAL SCIENCE	6
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2
PROFESSIONAL GEOGRAPHER	2
REGIONAL SCIENCE AND URBAN ECONOMICS	3
REGIONAL STUDIES	2
RESEARCH IN TRANSPORTATION ECONOMICS	1
SOCIAL NETWORKS	2
SOCIAL SCIENCE AND MEDICINE	5
SOCIO-ECONOMIC PLANNING SCIENCES	1
SPATIAL ECONOMIC ANALYSIS	3
SPATIAL AND SPATIO-TEMPORAL EPIDEMIOLOGY	1
STUDIES IN REGIONAL SCIENCE	1
TRB-TRR	46
THE CANADIAN GEOGRAPHER	9
THE OPEN URBAN STUDIES JOURNAL	2
TRANSPORT POLICY	3
TRANSPORT REVIEWS	2
TRANSPORTATION	21
TRANSPORTATION LETTERS	1
TRANSPORTATION RESEARCH A: POLICY AND PRACTICE	17
TRANSPORTATION RESEARCH B: METHODOLOGICAL	5
TRANSPORTATION RESEARCH D: TRANSPORT AND ENVIRONMENT	6
TRANSPORTATION RESEARCH F: TRAFFIC PSYCHOLOGY	2
TRANSPORTATION SCIENCE	1
TRANSPORTMETRICA	1
TRANSPORTMETRICA A: TRANSPORT SCIENCE	1
UNIVERSITY CONSORTIUM FOR GEOGRAPHIC INFORMATION SCIENCE	1
URBAN GEOGRAPHY	1
URBAN STUDIES	7
WELLBEING, SPACE AND SOCIETY	1

Grant Reviews

European Research Council – Advance Program Stage 2 (European Union)	2025
PANEL MEMBER	Number of reviews: 7
Executive Agency for Higher Education, Research, Development and Innovation Funding (Romania)	2024
PANEL MEMBER	Number of reviews: 5
Fundação para a Ciência e a Tecnologia (Portugal)	2024
PANEL MEMBER	Number of reviews: 23
European Research Council – Advance Program Stage 1 (European Union)	2024
PANEL MEMBER	Number of reviews: 22
European Research Council – Advance Program Stage 2 (European Union)	2023
PANEL MEMBER	Number of reviews: 5
European Research Council – Advance Program Stage 1 (European Union)	2022
PANEL MEMBER	Number of reviews: 11
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 (Belgium)	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 (Hong Kong)	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

Transportation; accessibility; equity; justice; spatial data analysis and statistics; transportation modeling; travel

Teaching at a Glance

TOTAL NUMBER OF COURSES TAUGHT

Undergraduate: 57

Graduate: 20

TOTAL NUMBER OF STUDENTS

Undergraduate: 2,376

Graduate: 96

Teaching (Details)

UNDERGRADUATE TEACHING

Transportation Geography	Times offered: 2
TOTAL ENROLMENT: 80 STUDENTS	ENVSOCY 3LT3
Applied Spatial Statistics	Times offered: 4
TOTAL ENROLMENT: 161 STUDENTS	ENVSOCY 4GA3
Transport Policy	Times offered: 4
TOTAL ENROLMENT: 67 STUDENTS	ENVSOCY 4LP3
Locational Analysis	Times offered: 6
TOTAL ENROLMENT: 492 STUDENTS	GEOG 2HA3
Transportation and Economic Activity	Times offered: 4
TOTAL ENROLMENT: 415 STUDENTS	GEOG 2LI3
Transportation Geography	Times offered: 8
TOTAL ENROLMENT: 284 STUDENTS	GEOG 3LT3
Analysis of Transportation Systems	Times offered: 6
TOTAL ENROLMENT: 280 STUDENTS	GEOG 4D03
Applied Spatial Statistics	Times offered: 6
TOTAL ENROLMENT: 186 STUDENTS	GEOG 4GA3
Special Topics in GIS: Geodemographic Analysis	Times offered: 1
TOTAL ENROLMENT: 20 STUDENTS	GEOG 4GT3
Transport Policy	Times offered: 7
TOTAL ENROLMENT: 118 STUDENTS	GEOG 4LP3
Analysis of Transportation Systems	Times offered: 4
TOTAL ENROLMENT: 166 STUDENTS	GEOG 4LT3
Advanced Topics in Spatial Analysis	Times offered: 5
TOTAL ENROLMENT: 107 STUDENTS	GEOG 4S03

GRADUATE TEACHING

Reproducible Research Workflow	Times offered: 4
TOTAL ENROLMENT: 32 STUDENTS	GEO *712
Transport Policy and Elderly Mobility	Times offered: 1
TOTAL ENROLMENT: 1 STUDENTS	GEO *715
Discrete Choice and Policy Analysis	Times offered: 11
TOTAL ENROLMENT: 56 STUDENTS	GEO *738
Transport Policy	Times offered: 4
TOTAL ENROLMENT: 7 STUDENTS	GEOG 6LP3

DIPLOMA-CERTIFICATE TEACHING

Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 29 STUDENTS

Times offered: 3

510-654

Major Project

TOTAL ENROLMENT: 18 STUDENTS

Times offered: 3

510-655

Applied Project

TOTAL ENROLMENT: 2 STUDENTS

Times offered: 1

510-657

Training of Highly Qualified Personnel

SUPERVISION AT A GLANCE

Level	Program	Sole Supervisor	Co-supervisor	Withdrawn from Program
Doctoral	Geography	8	-	3
Doctoral	Civil Engineering	-	2	-
Doctoral	Economics	-	1	-
Master	Geography	10	5	1
Master	Public Health	1	1	-
Master	Civil Engineering	-	8	-
Master	Economics	-	4	-
Master	eHealth	-	1	-
Undergraduate	Civil Engineering	2	-	-
Undergraduate	Economics	1	-	-
Undergraduate	Engineering and Society	9	1	-
Undergraduate	Geography	14	1	-
Undergraduate	Life Sciences	2	-	-
Undergraduate	Physics	1	-	-

UNDERGRADUATE SUPERVISION

Mackenzie St. Arnault (McMaster University, Canada)

In Progress

Economics

Julian Vella (McMaster University, Canada)

In Progress

Geography

Amanda Rorat (McMaster University, Canada)

In Progress

Life Sciences

Josh Arbess (McMaster University, Canada)

2021

Engineering and Society

Subaita Refaaf (McMaster University, Canada)

2021

Geography

Nadhiyya Shabir (McMaster University, Canada)

2021

Life Sciences

Josh Arbess (McMaster University, Canada)

2020

CO-SUPERVISED WITH SANATHAN KASSIEDASS, SENIOR ADVISOR, INNOVATION AND NEW MOBILITY – METROLINX

Engineering and Society

Samuel Greg Smilski (McMaster University, Canada)

2020

Engineering and Society

William Li (McMaster University, Canada)

2019

Geography

Dylan Ward (McMaster University, Canada)

2019

Geography

Ruikang Lin (McMaster University, Canada)

2018

Geography

Alexander Moriopoulous (McMaster University, Canada)	2018
	Geography
Tyler Marr (McMaster University, Canada)	2018
	Geography
Jill Scott (McMaster University, Canada)	2017
	Geography
Bingjie Zhu (McMaster University, Canada)	2017
	Geography
Emily Byford (McMaster University, Canada)	2017
	Geography
Salvatore Vivona (McMaster University, Canada)	2017
	Physics
Katelyn Penney (McMaster University, Canada)	2015
	Geography
Gabriela Tokarska (McMaster University, Canada)	2013
	Engineering and Society
Katelyn Penney (McMaster University, Canada)	2013
	Geography
Mike McKnight (McMaster University, Canada)	2012
	Engineering and Society
Christine Fandrich (McMaster University, Canada)	2012
	Geography
Zibby Petch (McMaster University, Canada)	2010
	Civil Engineering
Karolina Krol (McMaster University, Canada)	2009
	Civil Engineering
Alexander Eryuzlu (McMaster University, Canada)	2009
	Engineering and Society
David Snell (McMaster University, Canada)	2009
	Geography
Adam Howell (McMaster University, Canada)	2008
	Engineering and Society
Doug C. Sharpe (McMaster University, Canada)	2006
	Engineering and Society
Justin M. Potalivo (McMaster University, Canada)	2005
	Engineering and Society
Matt G. Sonnenberg (McMaster University, Canada)	2005
	Engineering and Society
Steve Gitao (McMaster University, Canada)	2005
CO-SUPERVISED WITH PAVLOS KANAROGLOU	Geography
MASTER’S SUPERVISION	
Simran Rakhra (McMaster University, Canada)	In Progress
CO-SUPERVISED WITH CYNTHIA LOKKER	eHealth
Mahdis Moghadasi (McMaster University, Canada)	2024
	Geography
Niloofer Nalaei (McMaster University, Canada)	2024
	Geography
Bruno Dias dos Santos (INPE, Brazil, Brazil)	2023
CO-SUPERVISED WITH SILVANA AMARAL AND CAROLINA PINHO	Geography

John Merral (McMaster University, Canada)	2021
	Geography
Elise Desjardins (McMaster University, Canada)	2020
	Public Health
Sean Sears (McMaster University, Canada)	2020
	Geography
Zoha Anjum (McMaster University, Canada)	2019
CO-SUPERVISED WITH SARAH DICKSON AND CORINNE WALLACE	Public Health
Rodrigo Victoriano (Universidad de Concepcion, Chile)	2018
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Alvaro E. Toledo (Universidad de Concepcion, Chile)	2018
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Christine Fandrich (McMaster University, Canada)	Withdrew from Program
	Geography
Edivaldo C. Neves (Universidade Federal de Pernambuco, Brazil)	2013
CO-SUPERVISED WITH TATIANE MENEZES	Economics
Mario Reyes (McMaster University, Canada)	2013
	Geography
Sammara C. Soares (Universidade Federal de Pernambuco, Brazil)	2012
CO-SUPERVISED WITH TATIANE MENEZES	Economics
Kristina Cimaroli (McMaster University, Canada)	2012
CO-SUPERVISED WITH K. BRUCE NEWBOLD	Geography
Jarin Esita (McMaster University, Canada)	2012
	Geography
Eduardo Barbosa (Universidad de Sao Paulo, Brazil)	2011
CO-SUPERVISED WITH EDUARDO A. HADDAD	Economics
Cristian Bustos (Universidad de Concepcion, Chile)	2011
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Md Moniruzzaram (McMaster University, Canada)	2011
	Geography
Kate Whalen (McMaster University, Canada)	2011
	Geography
Nicolas M. Cespedes (Universidad de Concepcion, Chile)	2011
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Adam Drackley (McMaster University, Canada)	2010
CO-SUPERVISED WITH K. BRUCE NEWBOLD	Geography
P.J. Saberton (McMaster University, Canada)	2010
CO-SUPERVISED WITH K. BRUCE NEWBOLD	Geography
Ana Maria Bonomi Barufi (Universidad de Sao Paulo, Brazil)	2010
CO-SUPERVISED WITH EDUARDO A. HADDAD	Economics
Ivy Dam (McMaster University, Canada)	2009
CO-SUPERVISED WITH DARREN M. SCOTT	Geography
Natalia Andrea Ruminot Villegas (Universidad de Concepcion, Chile)	2009
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Felipe Antonio Sanhueza Cardenas (Universidad de Concepcion, Chile)	2009
CO-SUPERVISED WITH JUAN A. CARRASCO	Civil Engineering
Julien Bonin (McMaster University, Canada)	2008
	Geography
Fei Long (McMaster University, Canada)	2006
	Geography

Kenji Kawai (Tohoku University, Japan)

CO-SUPERVISED WITH KAZUAKI MIYAMOTO

2002

Civil Engineering

Eri Yamada (Tohoku University, Japan)

CO-SUPERVISED WITH KAZUAKI MIYAMOTO

2001

Civil Engineering

DOCTORAL SUPERVISION

Bruno Dias dos Santos (McMaster University, Canada)

In Progress

Geography

Anastasia Soukhov (McMaster University, Canada)

In Progress

Geography

Elise Desjardins (McMaster University, Canada)

In Progress

Geography

Fernando Romero (Universidad Politecnica de Madrid, Spain)

CO-SUPERVISED WITH JOSÉ MANUEL VASALLO

2020

Civil Engineering

Kate Whalen (McMaster University, Canada)

2020

Geography

Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais, Brazil)

CO-SUPERVISED WITH PEDRO AMARAL

2019

Economics

Faten Almjlad (McMaster University, Canada)

Withdrew from Program

Geography

Li He (McMaster University, Canada)

2016

Geography

Md Moniruzzaram (McMaster University, Canada)

2014

Geography

Mario Reyes (McMaster University, Canada)

Withdrew from Program

Geography

Daniel Del Bianco (McMaster University, Canada)

Withdrew from Program

Geography

Lucia Mejia (Universidad Politecnica de Madrid, Spain)

CO-SUPERVISED WITH JOSÉ MANUEL VASALLO

2011

Civil Engineering

Steven Farber (McMaster University, Canada)

2010

Geography

Ruben Mercado (McMaster University, Canada)

2007

Geography

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; 2020-2024) User Preferences and Intentions Regarding Shared Automated Vehicles in Canadian Metropolitan Areas

Christina Borowiec (McMaster University; Dropped out of program) 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 Igliori)

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

Examination Committees

Samira Hamidtehrani (Ph.D., McMaster University; School of Earth, Environment and Society) September 15, 2023

Daniel Van Veghel (M.Sc., McMaster University; School of Earth, Environment and Society) August 28, 2023

Bruno Dias dos Santos (M.Sc., INPE, Brazil) May 18, 2023

Daniela Arias Molinares (Ph.D., Facultad de Geografía e Historia, Universidad Complutense de Madrid) May 10, 2023

Shaila Jamal (Ph.D. McMaster University; School of Earth, Environment and Society) May 9, 2023

Lucy Joseph Chabariko (Ph.D., School of Transportation Sciences, University of Hasselt) December 21, 2020

Darcy Reynard (Ph.D., Department of Earth and Atmospheric Sciences, University of Alberta) December 18, 2020

Jose Carpio-Pinedo (Ph.D., ETS Arquitectura, Universidad Politecnica de Madrid) November 19, 2020

Sami Kurani (M.A., McMaster University; School of Earth, Environment and Society) September 28, 2020

Geun (Jayden) Choi (M.A., McMaster University; School of Earth, Environment and Society) August 25, 2020

Matthew Brown (M.A., McMaster University; School of Earth, Environment and Society) April 3, 2020

Javier Delso (Ph.D., ETSI Montes, Universidad Politecnica de Madrid) February 25, 2020

Shaila Jamal (Ph.D., Comprehensive Examination, School of Geography and Earth Sciences) February 11, 2020

Kyran Cupido (Ph.D., Arizona State University, School of Mathematics and Statistical Sciences) December 6, 2019

Zoha Anjum (MPH, McMaster University, Health Research Methods, Evidence, and Impact) September 2019

Georgios Sarlas (Ph.D., ETH Zurich, Civil, Environmental, and Geomatics Engineering) July 1, 2019

Matthew Quick (Ph.D., University of Waterloo; School of Planning) April 24, 2019

Wade Genders (Ph.D., McMaster University; Civil Engineering) November 22, 2018

Quinn Hachey (M.A., McMaster University; School of Geography and Earth Sciences) December 18, 2017

Wei Lu (M.A., McMaster University; School of Geography and Earth Sciences) September 28, 2017

Charles Burke (Ph.D., McMaster University; School of Geography and Earth Sciences) December 5, 2016

Nazila Roofigari-Esfahan (Ph.D., McMaster University; Civil Engineering) August 8, 2016

Juan Pablo Ospina Zapata (Ph.D., Comprehensive Examination. Universidad Nacional de Colombia – Medellin; Civil Engineering) June 10, 2016

Arash Olia (Ph.D., McMaster University; Civil Engineering) June 8, 2016

Geraldine Fuenmayor (Ph.D., University of Calgary; Civil Engineering) May 19, 2016

Sadia Yawar (M.A., McMaster University; School of Geography and Earth Sciences) April 29, 2016

An Neven (Ph.D., Hasselt University; School of Transportation Sciences) September 7, 2015

Chris Higgins (Ph.D., McMaster University; School of Geography and Earth Sciences) August 28, 2015

Matthew Adams (Ph.D., McMaster University; School of Geography and Earth Sciences) July 31, 2015

Scott Bennett (Ph.D., McMaster University; School of Geography and Earth Sciences) July 3, 2015

Wade Genders (M.A.Sc., McMaster University; Civil Engineering) November 17, 2014

Sarah Dickin (Ph.D., McMaster University; Geography) September 5, 2014

Simon Minelli (M.A.Sc., McMaster University; Civil Engineering) September 3, 2014

Ron Dalumpines (Ph.D., McMaster University; Geography) July 28, 2014

Markus Botte (Ph.D., University of Western Australia; Business) July 4, 2014

Kathleen Deutsch (Ph.D., University of California Santa Barbara; Geography) June 20, 2013

Chris Higgins (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) February 14, 2013

Andrew Clarke (Ph.D., McMaster University; Geography and Earth Sciences) September 24, 2012

Adrian Klisz (M.A., McMaster University; Geography and Earth Sciences) July 24, 2012

Sarah Dickin (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) October 24, 2011

Jia Yang (M.A., McMaster University; Geography and Earth Sciences) September 12, 2011

Xudong Liu (M.A., McMaster University; Geography and Earth Sciences) September 12, 2011

Ron Dalumpines (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 3, 2010

Jia Yang (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 2, 2010

Xudong Liu (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 2, 2010

Jamie E.L. Spinney (Ph.D., McMaster University; Geography and Earth Sciences) September 24, 2010

Kelsey McCormack (Ph.D., McMaster University; Geography and Earth Sciences) July 27, 2010

PJ Saberton (M.A., McMaster University; Geography and Earth Sciences) July 26, 2010

Adam Drackley (M.A., McMaster University; Geography and Earth Sciences) July 26, 2010

Kathleen Deutsch (Ph.D., Proposal Defense. University of California Santa Barbara) April 14, 2010

Daniela Schettini (Ph.D., Universidade de São Paulo; Economics) April 9, 2010

Ana Maria Bonomi Barufi (M.A., Universidade de São Paulo; Economics) February 12, 2010

Logan McLeod (Ph.D., McMaster University; Economics) November 13, 2009

Yifei Wang (M.A., McMaster University; Geography and Earth Sciences) September 18, 2009

Ivy Dam (M.A., McMaster University; Geography and Earth Sciences) September 18, 2009

Karen Wiley (M.A., McMaster University; Geography and Earth Sciences) September 10, 2009

Theodora Pouliou (Ph.D., McMaster University; Geography and Earth Sciences) September 8, 2009

Terry Li (Ph.D., The University of Queensland; School of Geography, Planning and Environmental Management) August, 2009

Gustavo Renno Rocha (M.Sc., Qualification Examination. Universidade de São Paulo; Escola de Engenharia de São Carlos) August 7, 2009

Dan Harrington (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) January 20, 2009

Kelsey MacCormack (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) September 22, 2008

Hejun Kang (Ph.D., McMaster University; Geography and Earth Sciences) August18, 2008

Kenneth Harold Doust (Ph.D., University of New South Wales, Australia; School of Civil and Environmental Engineering) May, 2008

Sylvia He (M.A., McMaster University; Geography and Earth Sciences) August 8, 2006

Jennifer L. Campos (Ph.D., McMaster University; Psychology and Neuroscience) September 11, 2007

Jessica Becker (M.A., McMaster University; Geography and Earth Sciences) September 17, 2007

Charles Cheung (Ph.D., University of New South Wales, Australia; School of Civil and Environmental Engineering) June, 2005

Research and Other Funding

FUNDING AT A GLANCE

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

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



Figure 2: My share of research funds by source

Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	<i>CAD 1,700</i> 2024
MacPherson Institute-McMaster University Libraries, Canada PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	<i>CAD 4,932</i> 2021-2022
Social Sciences and Humanities Research Council, Canada MOBILIZING JUSTICE • Pl: Steven Farber; team size: 10 researchers	<i>CAD 2,498,195</i> 2020-2025
Social Sciences and Humanities Research Council, Canada CHILDREN'S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME) • Pl: E. Owen D. Waygood; team size: 4 researchers	<i>CAD 296,830</i> 2020-2025
MacPherson Institute, Canada USING INTERACTIVE RESOURCES TO TEACH SPATIAL STATISTICS IN A FLIPPED CLASSROOM FORMAT. • Pl: Antonio Paez; team size: 3 researchers	<i>CAD 2,968</i> 2019
McMaster Interdisciplinary Research Fund, Canada EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA • Pl: Antonio Paez; team size: 4 researchers	<i>CAD 42,000</i> 2018-2019
School of Geography and Earth Sciences, Canada IMPROVING TEACHING MATERIALS FOR SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	<i>CAD 7,000</i> 2018
Social Sciences and Humanities Research Council, Canada DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON • Pl: Christopher Higgins; team size: 2 researchers	<i>CAD 49,705</i> 2017-2018
Labrage Optimal Aging Initiative, Canada TECHNOLOGY FOR OPTIMAL AGING: AN EXPLORATORY STUDY OF THE EFFECTS OF AUTOMOBILE INNOVATIONS ON THE LIVED EXPERIENCE OF OLDER DRIVERS, THEIR MOBILITY, AND SOCIAL POLICY • Pl: Amanda Grenier; team size: 4 researchers	<i>CAD 50,449</i> 2014-2015
McMaster University, Canada INCENTIVE FUNDING • Pl: Antonio Paez; team size: 1 researchers	<i>CAD 5,000</i> 2014
Natural Sciences and Engineering Research Council, Canada CRITICAL INFRASTRUCTURE: EVALUATING THE EFFECT OF NETWORK TOPOLOGY AND AUTOCORRELATION • Pl: Antonio Paez; team size: 1 researchers	<i>CAD 95,000</i> 2011-2016
Canadian Institutes of Health Research, Canada ENHANCING THE MOBILITY AND HEALTH OF OLDER ADULTS • Pl: Heather McKay; team size: 6 researchers	<i>CAD 25,000</i> 2011
Canadian Institutes of Health Research, Canada WALK THE TALK: TRANSFORMING THE BUILT ENVIRONMENT TO ENHANCE MOBILITY IN SENIORS • Pl: Heather McKay; team size: 10 researchers	<i>CAD 1,500,000</i> 2010-2016
Canadian Institutes of Health Research, Canada CANADA'S BLOOD FUTURES: GEOGRAPHY, DEMOGRAPHIC CHANGE, AND THE SUPPLY AND DEMAND OF BLOOD IN CANADA • Pl: Antonio Paez; team size: 4 researchers	<i>CAD 240,723</i> 2010-2013
Social Sciences and Humanities Research Council, Canada PARKS, SHOPS, AND FRIENDS: HOW DO THE BUILT AND SOCIAL ENVIRONMENTS INFLUENCE TRAVEL BEHAVIOR? • Pl: Antonio Paez; team size: 2 researchers	<i>CAD 91,550</i> 2010-2012

Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 1,326 2010
Human Resources and Social Development Canada, Canada UNDERSTANDING THE TRANSPORTATION SITUATION OF CANADIAN ADULTS WITH DISABILITIES: IDENTIFYING BARRIERS FOR ADULTS WITH DISABILITIES WHO TRAVEL LOCALLY AND LONG-DISTANCE • Pl: Antonio Paez; team size: 3 researchers	CAD 35,982 2009
Social Sciences and Humanities Research Council, Canada UNDERSTANDING BARRIERS TO PARTICIPATION IN SPORT AND OTHER PHYSICAL ACTIVITIES • Pl: Darren M. Scott; team size: 2 researchers	CAD 106,500 2008-2011
Centre for Leadership in Learning McMaster University, Canada DEVELOPING A WEB-BASED SURVEY TO COLLECT STUDENT TRAVEL BEHAVIOR INFORMATION • Pl: Antonio Paez; team size: 1 researchers	CAD 800 2008
North American Regional Science Council, US TRAVEL GRANT • Pl: Antonio Paez; team size: 1 researchers	USD 500 2008
Human Resources and Social Development Canada, Canada SPATIAL MISMATCH IN CANADIAN COMMUNITIES: THE SOCIO-ECONOMIC OUTCOMES OF TRANSPORTATION INFRASTRUCTURE AND ACCESS • Pl: Antonio Paez; team size: 5 researchers	CAD 56,804 2008
Social Sciences and Humanities Research Council, Canada BLOOD DONOR RESEARCH: INDIVIDUAL DETERMINANTS AND GEOGRAPHICAL PROFILE OF BLOOD DONORS • Pl: Antonio Paez; team size: 3 researchers	CAD 40,000 2007-2008
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 2,045 2007
Social Sciences and Humanities Research Council, Canada SOCIAL INFLUENCE ON TRAVEL BEHAVIOR: A CASE STUDY OF THE DECISION TO TELECOMMUTE • Pl: Antonio Paez; team size: 2 researchers	CAD 88,212 2005-2007
Natural Sciences and Engineering Research Council, Canada INTERNATIONAL WORKSHOP FRONTIERS IN TRANSPORTATION: SOCIAL AND SPATIAL INTERACTIONS • Pl: Antonio Paez; team size: 4 researchers	CAD 8,660 2005
Arts and Research Board McMaster University, Canada CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	CAD 2,703 2005
McMaster University, Canada INCENTIVE FUNDING • Pl: Antonio Paez; team size: 1 researchers	CAD 5,000 2004
Centre for Leadership in Learning McMaster University, Canada USING SPREADSHEETS AND GRAPHICS TO IMPROVE MATHEMATICAL INTUITION IN GEOGRAPHICAL PROBLEM SOLVING: THE CASE OF LOCATIONAL ANALYSIS • Pl: Antonio Paez; team size: 1 researchers	CAD 3,078 2004
Natural Sciences and Engineering Research Council, Canada MODELING CONTINUOUS-SPACE CONTEXTUAL EFFECTS IN TRANSPORTATION SYSTEMS • Pl: Antonio Paez; team size: 1 researchers	CAD 105,000 2003-2007
Geomatics for Informed Decisions (GEOIDE), Canada TRANSPORTATION IMPLICATIONS OF CANADA'S AGING SOCIETY • Pl: Darren M. Scott; team size: 6 researchers	CAD 150,000 2003-2004

Research Impact

Fig. 3 gives a summary of my research impact according to Google Scholar. As of Sep, 2025, my research has been cited a total of 13,426 times, and my h-index is 59. The i10-index indicates that 138, or approximately 63% of my publications have been cited ten times or more.

The impact of my work can also be appreciated by the breadth of the fields in which it is cited. According to Web of Science (Fig. 4), my research is cited by scholars in numerous disciplines, notably in Transportation, Environmental Science/Studies, Geography, Economics, and Urban Studies. My publications have been cited by researchers in more than 100 countries; as seen in Fig. 6, most citations to my work are by researchers in the United States, China, Canada, England, and Spain.

Lastly, my work has contributed to inform research that aligns with the United Nations Sustainable Development Goals (see Fig. 5), particularly goals 11 Sustainable Cities And Communities, 03 Good Health And Well Being, 13 Climate Action, 15 Life On Land, and 16 Peace And Justice Strong Institutions.

Combined with the level of funding described above, the cost-effect of my research is approximately CAD 7,065 per peer-reviewed article (not counting book chapters, edited books, or books). To put this number in context, this is equivalent to 53% of a one-year graduate research assistantship at my institution. In terms of impact, the cost-effect of my research is CAD 85 per citation.

Policy Impact

In addition to the scholarly impact of my research, my work has helped to inform policy. According to an analysis of policy impact using data from Overton.io¹, I am in the top 1% of all researchers at McMaster in terms of citations in policy documents. When we consider active researchers in the social sciences, I rank second at McMaster in terms of citations in policy documents, after Prof. Magdalena Janus (Faculty of Health Sciences).

The impact of my research on policy is reflected in citations in multiple languages, including English, Estonian, French, Portuguese, and Spanish. The international reach of this impact can be appreciated in Fig. 7, which shows the source countries of documents that cite my work. These countries include Canada, US, Mexico, Brazil, several European countries, Australia, and New Zealand. Besides governments at various levels in said countries, numerous Inter-governmental Organizations (IGOs) also refer to my work in their policy documents, including the European Union, OECD, the World Health Organization, the Pan American Health Organization, the World Bank, the Inter-American Development Bank, the International Transport Forum, and the Global Commission on the Economy and Climate. Think tanks that cite my research in policy documents include IPEA (Brazil), the Lincoln Institute (US), MOTU (New Zealand), and DIW (Germany).

The distribution of citations in policy documents is more or less evenly distributed between governments and Inter-governmental Organizations, followed by think tanks, as seen in Fig. 8.

Analysis of policy documents that cite my research identifies the main topics where my work has been influential. In Fig. 9 we can see the wide range of topics, from the economy and transportation, to air pollution and food security. The topics that my research is found more than expected relate to cycling, bus and rapid transit, accessibility, and public transport.

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.

AT A GLANCE

¹Analysis done on November 18, 2024

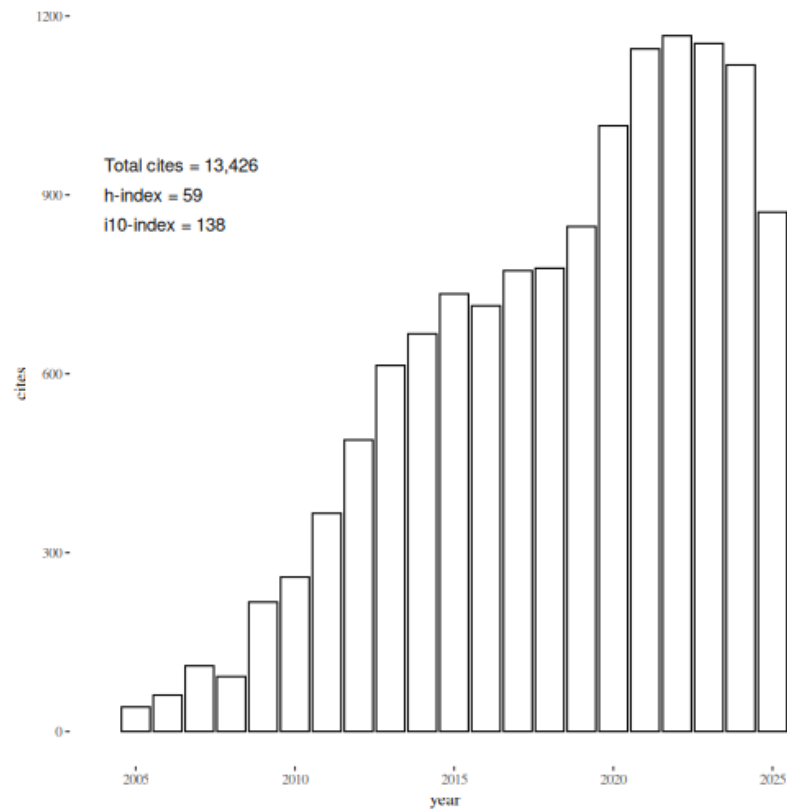


Figure 3: Citations per year (data from Google Scholar)

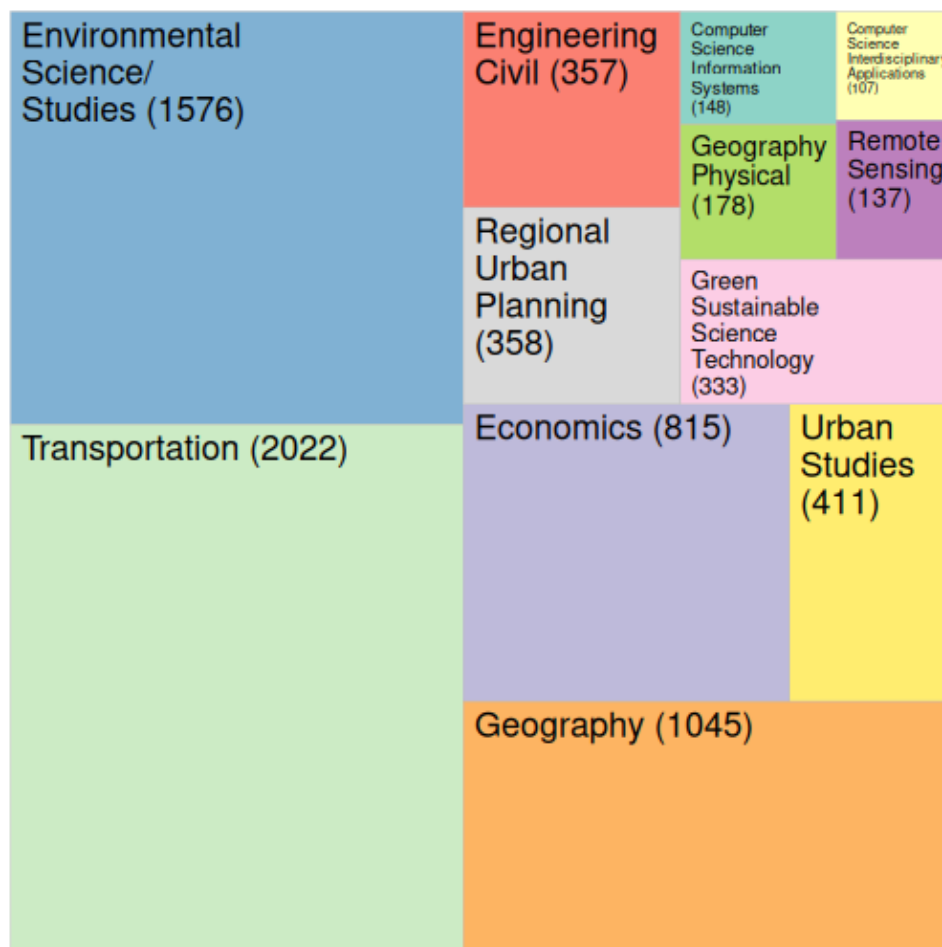


Figure 4: Citations by field (data from Web of Science)

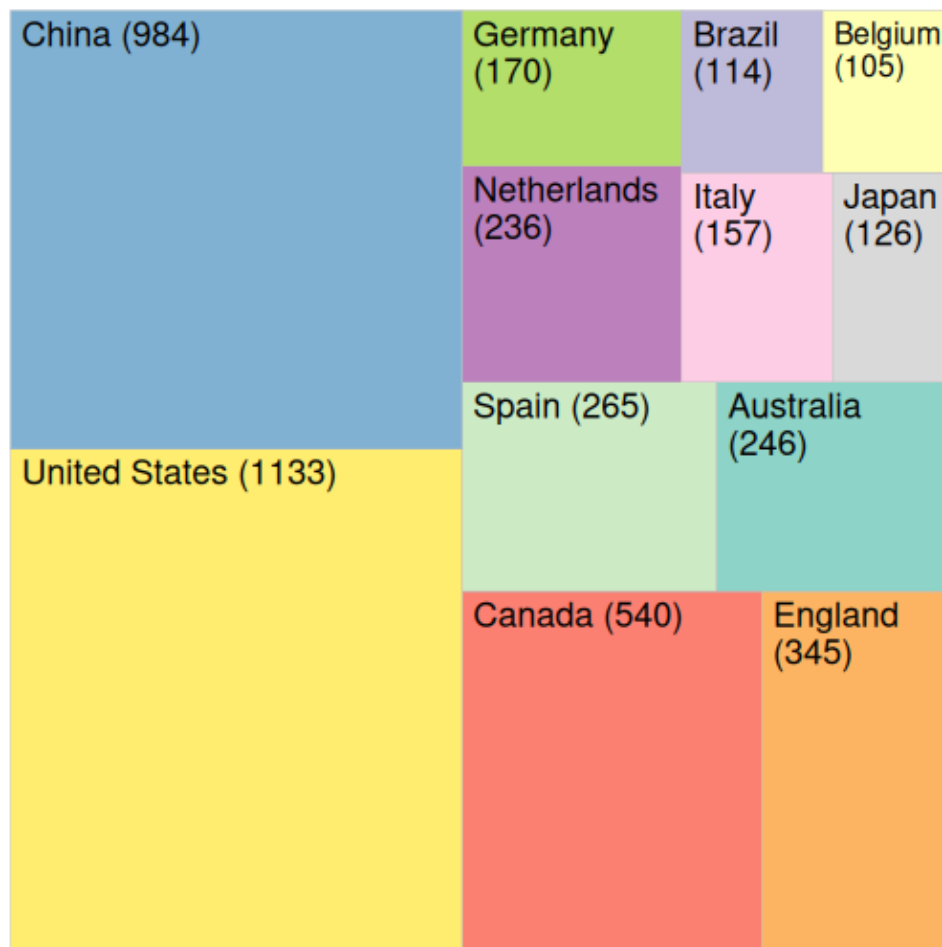


Figure 5: Citations by country (data from Web of Science)



Figure 6: Citations by Sustainable Development Goal (data from Web of Science)



Figure 7: Countries where policy documents reference my research

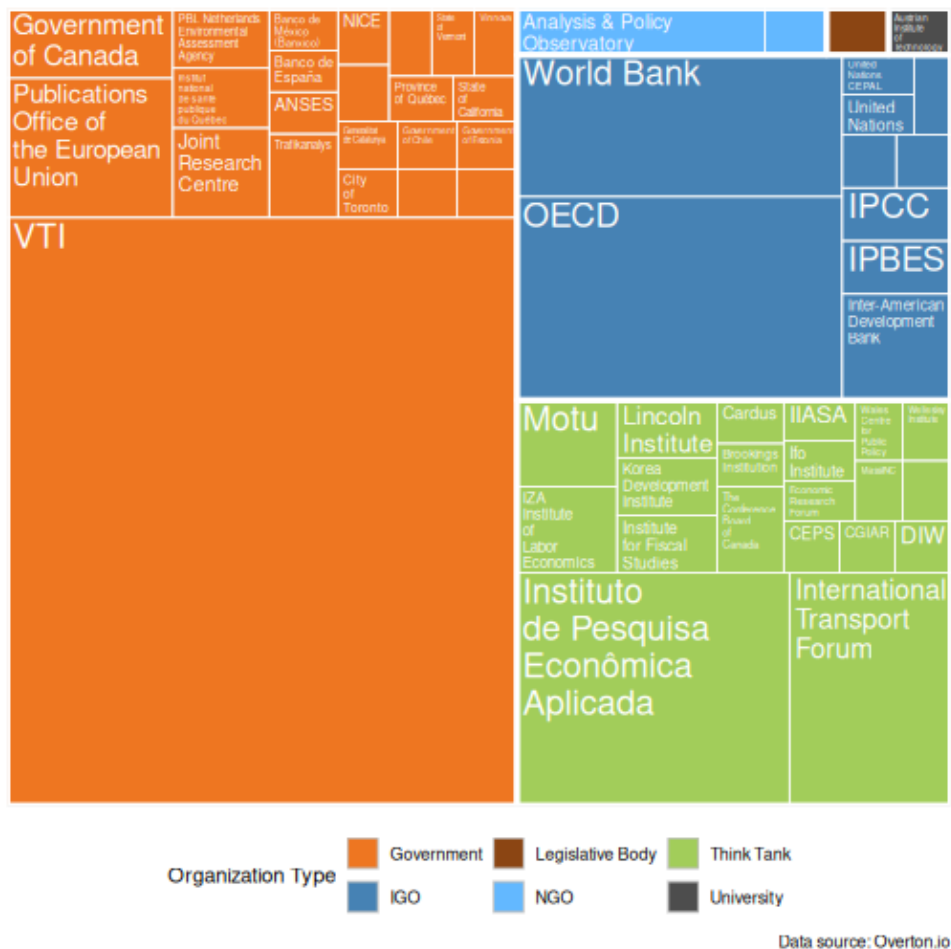


Figure 8: Policy sources that cite my research

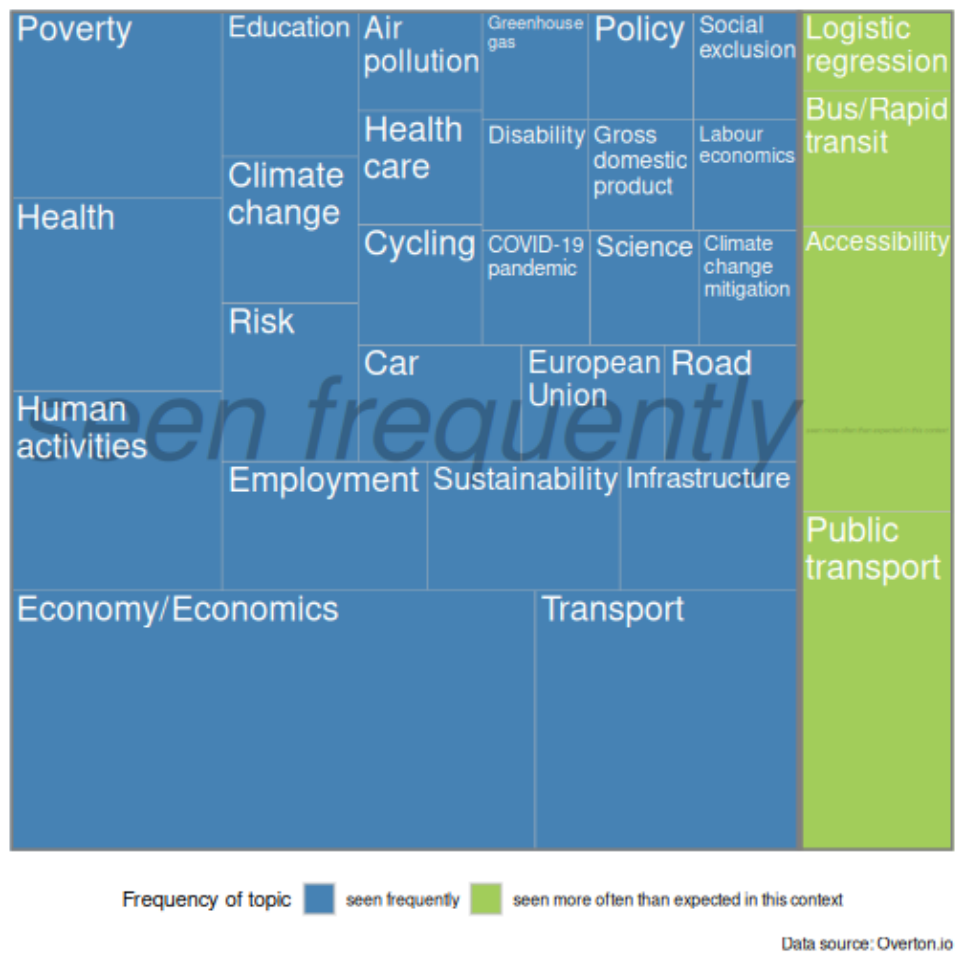


Figure 9: Policy topics informed by my research

Table 2 provides some key information about my publication record. In addition to the items listed there, I am co-editor of 3 edited books. Fig. 10 maps the relationship between key topics in my peer-reviewed publications, based on keywords of the documents. Fig. 11 maps my international research collaborations.

Table 2: Bibliography at a glance

Type	No. of Items	Mean No. Authors	Max. No. Authors	Single Author	First Author	Second Author	Senior Author	Other Author
Books	2	1.50	2	1 (50%)	1 (50%)	0 (0%)	0 (0%)	0 (0%)
Book chapters	11	3.64	8	1 (9%)	4 (36%)	2 (18.18%)	3 (27.27%)	1 (0.09%)
Peer reviewed articles	161	3.38	7	12 (7%)	34 (21%)	61 (38%)	34 (21%)	20 (12%)
Peer reviewed conference presentations	44	3.61	6	2 (5%)	10 (23%)	20 (45%)	4 (9%)	8 (18%)

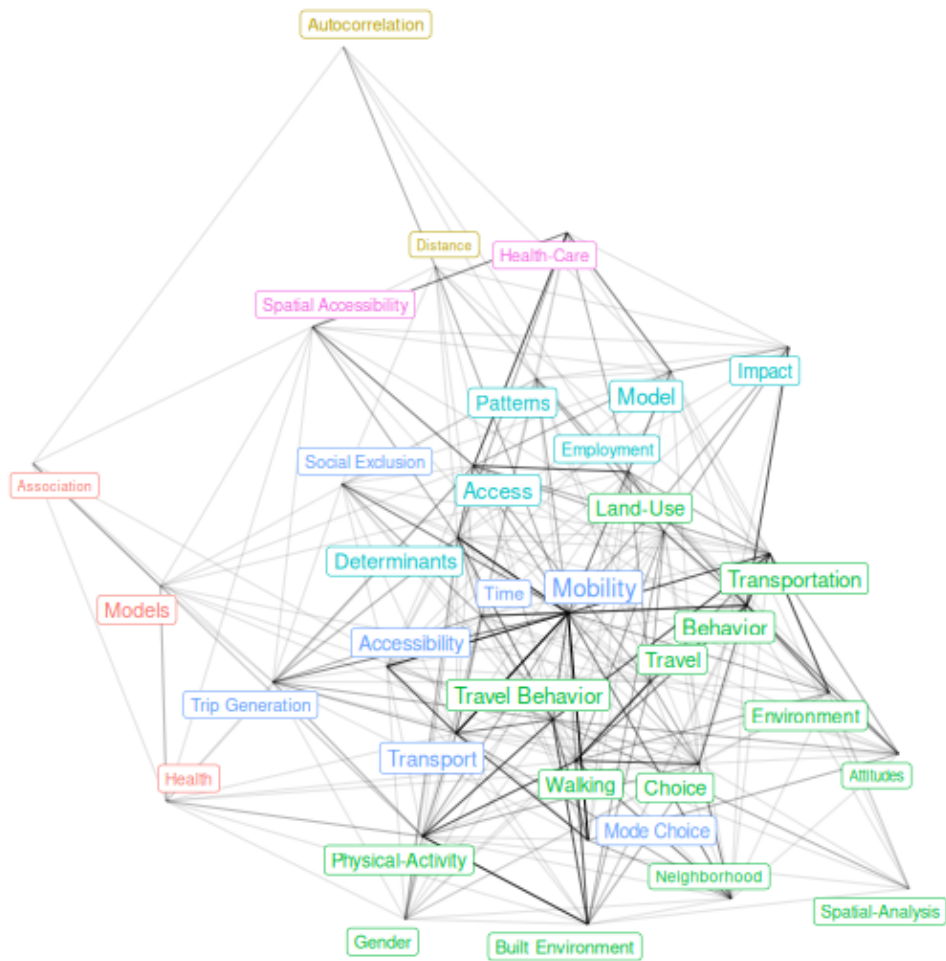


Figure 10: Key topics in my peer-reviewed publications

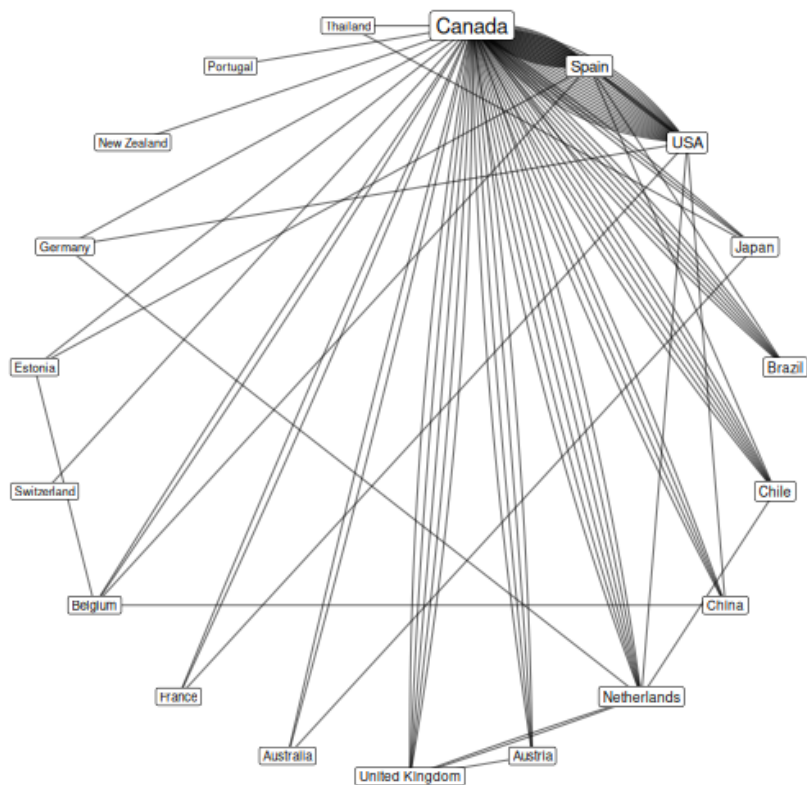


Figure 11: International collaborations

BOOKS

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

EDITED BOOKS

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

BOOK CHAPTERS

1. Parga, J. P., Soukhov, A., Arku, R. N., Higgins, C. D., & Páez, A. (2024). Democratic access to our cities: The impacts of recent changes to transit services in major canadian metropolitan areas. In *Canada's urban infrastructure deficit: Toward democracy and equitable prosperity*. School of Cities, University of Toronto.
2. Fischer, J., Anderson-Gregson, B., Farber, S., Tiznado-Aitken, I., Páez, A., Winters, M., Woodward, B., & A., Smith. (2024). Enhancing equity in infrastructure planning: A spatial analysis of access disparities across canada. In *Canada's urban infrastructure deficit: Toward democracy and equitable prosperity*. School of Cities, University of Toronto.
3. 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
4. Franklin, R. S., Leeuwen, E. S. van, & Páez, A. (2018). Transportation where people leave: An introduction. In *Population loss: The role of transportation and other issues* (Vol. 2, pp. 1–14). Academic Press-Elsevier. <https://doi.org/10.1016/bs.atpp.2018.09.008>
5. 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. In *Spatial analysis in health geography* (pp. 47–68). Routledge.
6. Páez, A. (2016). Access and social complexity: Identifying and managing access requirements across social groups and across the world. In *Improving urban access* (pp. 190–217). Routledge.
7. Páez, A., Hernández, F. A. L., Ruiz, M., & Logan, J. (2014). Micro-geography of segregation: Evidence from historical US census data. In *Social-spatial segregation: Concepts, processes and outcomes* (pp. 91–110). Policy Press. <https://doi.org/10.51952/9781447301363.ch005>
8. Mur, J., & Páez, A. (2012). Local weighting matrices or the necessity of flexibility. In *Defining the spatial scale in modern regional analysis* (Vol. 75, pp. 193–212). Springer-Verlag. https://doi.org/10.1007/978-3-642-31994-5_10
9. Páez, A., Le Gallo, J., Buliung, R. N., & Dall'Erba, S. (2010). Progress in spatial analysis: introduction. In *Progress in spatial analysis* (Vol. 63, pp. 1–13). Springer. https://doi.org/10.1007/978-3-642-03326-1_1
10. Farber, S., Páez, A., & Volz, E. (2010). Topology, dependency tests and estimation bias in network autoregressive models. In *Progress in spatial analysis* (Vol. 63, pp. 29–57). Springer. https://doi.org/10.1007/978-3-642-03326-1_3
11. Páez, A., & Wheeler, D. C. (2009). *Geographically weighted regression* (pp. 407–414).

REPORTS

1. Soukhov, A., & Páez, A. (2024). *Accessibility analysis for planning applications* (MJ-A2-0002). Mobilizing Justice. <https://github.com/soukhova/MJ-Accessibility-Blogs>
2. Soukhov, A., Tiznado-Aitken, I., Palm, M., Farber, S., & Páez, A. (2023). *Searching for standards of fairness in the transportation justice literature* (MJ-0001). Mobilizing Justice. <https://example.com/summarizing-output>

3. Farber, S., & Páez, A. (2010). *Understanding the transportation situation of canadian adults with disabilities*. Human Resources; Social Development Canada. https://www.researchgate.net/profile/Steven-Farber-2/publication/254608932_Participation_and_desire_leisure_activities_among_Canadian_adults_with_disabilities/links/00463528d2c12cafd9000000/Participation-and-desire-leisure-activities-among-Canadian-adults-with-disabilities.pdf
4. Farber, S., Páez, A., Mercado, R. G., Farber, S., Morency, C., & Roorda, M. (2009). *Mobility and social exclusion in canadian communities: An empirical investigation of opportunity access and deprivation from the perspective of vulnerable groups*. Human Resources; Social Development Canada. https://www.researchgate.net/profile/Catherine-Morency/publication/233997689_Mobility_and_Social_Exclusion_in_Canadian_Communities_An_Empirical_Investigation_of_Opportunity_Access_and_Deprivation/links/54f066980cf25f74d7267b6f/Mobility-and-Social-Exclusion-in-Canadian-Communities-An-Empirical-Investigation-of-Opportunity-Access-and-Deprivation-from-the-perspective-of-vulnerable-groups.pdf

PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)

1. Soukhov, A., Ravensbergen, L., Dorantes, L. M., & Páez, A. (2025). Towards completely caring 15-minute neighbourhoods. *Transportation Research Part A: Policy and Practice*, 198, 104503. <https://doi.org/10.1016/j.tra.2025.104503>
2. Gabriel, J. J., Reinhardt, E. G., Bhattacharya, J. P., Turkistani, M. N., Genovese, C., & Páez, A. (2025). Establishing detailed chemofacies of depositional environments in an epeiric seaway using high-resolution (500 µm) micro x-ray fluorescence core scanning data. *Sedimentology*, 72(4), 1316–1342. <https://doi.org/https://doi.org/10.1111/sed.70002>
3. Elizondo-Candanedo, R. F., Arranz-López, A., Soria-Lara, J. A., & Páez, A. (2024). When e-activities meet spatial accessibility: A theoretical framework and empirical space-time thresholds for simulated spatial settings. *Journal of Transport Geography*, 121, 104026. <https://doi.org/10.1016/j.jtrangeo.2024.104026>
4. Tavakoli, Z., Waygood, O., Abdollahi, S., & Paez, A. (2024). “Where Do Children Go?”: Exploring Children’s Daily Destinations With Children, Parents, and Experts. *Urban Planning*, 9(0). <https://doi.org/10.17645/up.8478>
5. Tavakoli, Z., Abdollahi, S., Waygood, E. O. D., Páez, A., & Boisjoly, G. (2024). Traffic danger’s potential impact on children’s accessibility. *Transportation Research Part D: Transport and Environment*, 135, 104370. <https://doi.org/10.1016/j.trd.2024.104370>
6. Jamal, S., & Paez, A. (2024). Well-being implications of immobility during COVID-19: Evidence from a student sample in Bangladesh using the satisfaction with life scale. *Transportation*, 51(5), 2019–2049. <https://doi.org/10.1007/s11116-023-10395-z>
7. Rey-Blanco, D., Arbues, P., Lopez, F., & Paez, A. (2024). 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*, 51(6), 1369–1379. <https://doi.org/10.1177/23998083241242844>
8. 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>
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PEER-REVIEWED JOURNAL ARTICLES (ACCEPTED FOR PUBLICATION IN FINAL FORM)

1. Soukhov, A., Higgins, C. D., Mohamed, M., & Páez, A. (2025). Ten years of school closures and consolidations in Hamilton, Canada and the impact on multimodal accessibility [Journal Article]. *Spatial Networks and Economics*. <https://doi.org/10.1007/s11067-025-09677-z>

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WORK IN PROGRESS

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PEER-REVIEWED CONFERENCE PRESENTATIONS

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41. Vichiensan, V., Páez, A., & Miyamoto, K. (2003). Improvement of data accuracy in urban modeling by nonstationary interpolation method. *9th Conference on Computers in Urban Planning and Urban Management*.
42. Páez, A. (2003). Spatial statistics for urban analysis: A review of new techniques with examples. *9th Conference on Computers in Urban Planning and Urban Management*.
43. Páez, A., Suthanaya, P., & Black, J. (2001). A spatial analysis of transportation mode-specific journey-to-work commuting preferences: Implications for sustainable transport policies. *9th World Conference for Transport Research*.

NON-PEER-REVIEWED CONFERENCE PRESENTATIONS

Number of lifetime non-peer-reviewed conference presentations is 105.

Knowledge Mobilization Activities

Introducing spatial availability, a singly-constrained accessibility measure

BOKU UNIVERSITY

- Workshop, Instructor

Vienna, Austria

July 16-2024

An introduction to exploratory data analysis in R

UNIVERSIDADE FEDERAL DO ABC

- Workshop, Instructor

São Paulo, Brazil

June 10-15-2024

Applied accessibility analysis using FOSS

TRANSPORTATION SERVICES, CITY OF TORONTO

- Workshop, Instructor

Toronto, Canada

May 28-2024

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Workshop, Presenter

Hamilton, Canada

April 15-2024

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

BUSINESS DATA ANALYTICS, THE UNIVERSITY OF WESTERN AUSTRALIA

- Workshop, Instructor

Perth, Australia

March 20 and 22-2024

Introducing spatial availability, a singly-constrained accessibility measure

KARLSRUHE INSTITUTE OF TECHNOLOGY-ITAS

- Workshop, Instructor

Karlsruhe, Germany

February 20-2024

Introducing spatial availability, a singly-constrained accessibility measure

POLYTECHIQUE MONTRÉAL

- Workshop, Instructor

Montréal, Canada

October 7-2023

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

McMASTER UNIVERSITY

- Workshop, Instructor

Hamilton, Canada

April 14 and 21-2023

An introduction to exploratory data analysis in R

ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA IN RIMINI

- Workshop, Instructor

Rimini, Italy

November 14, 17, and 18-2022

An introduction to exploratory data analysis in R

GRAN SASSO SCIENCE INSTITUTE

- Workshop, Instructor

L'Aquila, Italy

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

Accessibility and Threshold Selection

POLYTECHIQUE MONTRÉAL

- Workshop, Presenter

Montréal, Canada

May 20-2022

Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, McMASTER UNIVERSITY

- Workshop, Presenter

Hamilton, Canada

April 4-2022

Methodology: spatial statistics with R

GRAN SASSO SCIENCE INSTITUTE

- Workshop, Instructor

L'Aquila, Italy

March 12 to 14-2018

Exploratory spatial data analysis of categorical data

REGIONAL SCIENCE ASSOCIATION INTERNATIONAL-GRAN SASSO SCIENCE INSTITUTE SUMMER SCHOOL

- Workshop, Instructor

L'Aquila, Italy

July 3 to 4-2017

Selected topics in spatial analysis

THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL

- Workshop, Instructor

Perth, Australia

December 12 to 17-2014

Econometric techniques for urban transport and land use analysis

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

- Workshop, Instructor

Montréal, Canada

February 9 to 12-2009

Selected topics in spatial analysis

UNIVERSIDADE DE SÃO PAULO

- Workshop, Instructor

São Paulo, Brazil

October 23 and 30-2008

Invited Talks, Seminars, and Panels

LIFETIME TALKS, SEMINARS, AND PANELS

My lifetime number of talks is 127.

DETAILS

Using open source software and open data to evaluate the equity of transit services

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

April 22-2025

Not just transportation: Just transportation

AMERICAN ASSOCIATION OF GEOGRAPHERS

- Fleming Lecture in Transport Geography, Keynote Speaker

Detroit, Michigan

March 27-2025

Unlocking Canadian Research: the Power of Open Science

CONSORTIUM FOR ANALYTICS AND DATA-DRIVEN DECISIONS (CAND3)

- Lunch and Learn & Meet the Speakers, Speaker

Montréal, Canada

March 12-2025

Not just transportation: Just transportation

CENTRE FOR HUMAN RIGHTS AND RESTORATIVE JUSTICE, MCMASTER UNIVERSITY

- Speaker Series, Speaker

Hamilton, Canada

March 6-2025

Flipped classrooms, open educational resources, and ungrading: The learning experience of students in their own words

McMASTER UNIVERSITY

- Innovations in Education Conference, Presenter

Hamilton, Canada

December 4-2024

Equidad y Transporte

UNIVERSIDAD COMPLUTENSE DE MADRID

- Invited Talk, Speaker

Madrid, Spain

October 22-2024

Ciencia Abierta para Jóvenes Transportistas

TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

October 16-2024

Principles of spatial interaction

CIV TECH 3TP3, McMASTER UNIVERSITY

- Invited Talk, Speaker

Hamilton, Canada

June 24-2024

Just transportation

UNIVERSIDADE DE SÃO PAULO

- Invited Talk, Speaker

São Paulo, Brazil

June 19-2024

Ciência Aberta para Todos

UNIVERSIDADE FEDERAL DO ABC

- Invited Talk, Speaker

São Paulo, Brazil

June 18-2024

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

UNIVERSIDADE FEDERAL DO ABC

- Invited Talk, Speaker

São Paulo, Brazil

June 6-2024

Just transportation

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 3-2024

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

PLANNING AND TRANSPORT RESEARCH CENTRE, THE UNIVERSITY OF WESTERN AUSTRALIA

- John Taplin Memorial Lecture, Keynote Speaker

Perth, Australia

March 21-2024

Teaching applied spatial statistics: Using open educational and reproducible resources

McMASTER UNIVERSITY

- Innovations in Education Conference, Co-presenter

Hamilton, Canada

December 7-2023

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

INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

- GEOINFO 2023, Keynote Speaker

São José dos Campos, Brazil

December 4-2023

Open Science for All

McMASTER REPRODUCIBILITEA

- Invited Talk, Speaker

Hamilton, Canada

October 17-2023

Ciencia Abierta para Todos (Open Science for All)

UNIVERSIDAD DE MURCIA

- VIII Jornadas Doctorales, Keynote Speaker

Murcia, Spain

June 27-2023

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

UNIVERSIDADE DE COIMBRA

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

Coimbra, Portugal

June 22-2023

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

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 14-2023

Open Educational Resources: What, Why and How?

UNIVERSIDAD COMPLUTENSE DE MADRID

- Invited Talk, Presenter

Madrid, Spain

June 12-2023

Using computational notebooks to teach spatial statistics: the McMaster experience

JEAN PAELINCK WORSKHOP

- Invited Talk, Co-presenter

Cartagena, Spain

April 21-2023

How is active school travel (AST) framed in Ontario

NEW YORK UNIVERSITY, CENTER FOR URBAN SCIENCE AND PROGRESS

- Invited Seminar, Presenter

New York City

April 7-2023

Spatial availability: a way to measure accessibility to competitive opportunities

NORTHERN ILLINOIS UNIVERSITY

- Invited Seminar, Presenter

DeKalb, Illinois, USA

February 17-2023

Reproducible Research Workflow

RESEARCH DATA MANAGEMENT COMMUNITY OF PRACTICE - MCMASTER UNIVERSITY

- Invited Talk, Speaker

Hamilton, Canada

January 26-2023

Framing Active School Travel in Ontario, Canada

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 19-2022

Mobilizing Justice: Developing Data-Driven Equity Standards

NEWCASTLE UNIVERSITY

- Invited Seminar, Presenter

Newcastle-upon-Tyne, UK

May 4-2022

Spatial Data and Analytics

ALAN TURING INSTITUTE

- SAD Interview, Interviewee

Newcastle-upon-Tyne, UK

May 3-2022

Developing a companion package to support teaching spatial statistics

MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY

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

Hamilton, Canada

March 7-2022

Introducing Spatial Availability: A Singly Constrained Measure of Accessibility

INSTITUTO DE PESQUISA ECONÔMICA APLICADA

- Invited Talk, Speaker

Brasília, Brazil

December 10-2021

Investigación Reproducible

DOCTORADO EN ECONOMÍA INTERUNIVERSITARIO

- VI Jornadas de Doctorado y Seminarios Novel, Keynote Speaker

Cartagena, Spain

November 29-2021

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

MCMASTER UNIVERSITY

- Innovations in Education Conference, Presenter

Hamilton, Canada

December 9-2021

Creation of a Living Textbook for Teaching Spatial Statistics

MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY

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

Hamilton, Canada

October 28-2021

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

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 25-2021

What's a school worth to a neighborhood

GRAN SASSO SCIENCE INSTITUTE

- Invited Seminar, Presenter

L'Aquila, Italy

March 17- 2021

Transportation research seminar

ITE TRANSPORTATION RESEARCH SEMINAR (MCMASTER CHAPTER)

- Invited Talk, Speaker

Hamilton, Canada

October 1-2020

Using CycleStreets and spatial interaction analysis to infer cycling routes

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 16-2020

Big data and behavioral analysis

TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 9-2019

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

DEPARTMENT OF APPLIED ECONOMICS, UNIVERSIDAD AUTÓNOMA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 8-2019

Accessibility in Infrastructure Poor Regions

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

- Invited Talk, Speaker

Zurich, Switzerland

July 1-2019

Big data and behavioral analysis

UNIVERSIDAD POLITÉCNICA DE CARTAGENA

- XXIII Applied Economics Meeting, Keynote Speaker

Cartagena, Spain

June 6-2019

Cost Functions for Accessibility by Walking

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 21-2019

McMaster Research Data Forum

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

- McMaster Research Data Forum, Panelist

Hamilton, Canada

December 18-2018

Accesibilidad a los servicios de salud

DEPARTMENT OF GEOGRAPHY, UNIVERSIDAD COMPLUTENSE DE MADRID

- Invited Talk, Speaker

Madrid, Spain

June 5-2018

Developing Dashboards to Communicate Transportation Information

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 23-2018

Travel and Time Poverty among Canadian Single Parent Households

UNIVERSITY OF TORONTO

- CIHR Workshop: Considering the role of Time Pressure and Geography In Food Shopping and dietary behaviours, Speaker

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

Spatial Clustering of Traveller Attitudinal Profiles

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 12-2017

Mode Use Propensity by Attitudinal and Spatial Cluster: An Exploratory Analysis

ECOLE SUPERIEURE D'AMENAGAMENT DU TERRITOIRE ET DE DEVELOPPEMENT REGIONAL, LAVAL UNIVERSITY

- Invited Talk, Speaker

Quebec, Canada

April 19-2017

Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering Time-Use Patterns

CENTRO DE DESARROLLO SUSTENTABLE UNIVERSIDAD DE CONCEPCIÓN

- Invited Talk, Speaker

Concepción, Chile

March 6-2017

Indicators for inequality analysis in activity/travel behavior TRANSPORT EQUITY ANALYSIS COST ACTION • Invited Seminar, Presenter	<i>Thessaloniki, Greece</i> May 6-2015
Accessible Accessibility Research Challenges ASSOCIATION OF AMERICAN GEOGRAPHERS • Fleming Lecture in Transport Geography (Prof. Bert van Wee), Discussant	<i>Chicago, USA</i> April 23-2015
Transportation and Spatial Analysis DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA SANTA BARBARA • Invited Talk, Speaker	<i>Santa Barbara, USA</i> January 29-2015
In the Beginning There was Transportation (There was also GIS) SCHOOL OF GEOGRAPHY, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF BIRMINGHAM • Invited Seminar, Presenter	<i>Birmingham, UK</i> January 12-2015
Mobility for sustainable communities THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> December 15-2014
Mobility-based geodemographics THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> December 10-2014
Mapping traveler attitudes: Does space matter? DEPARTMENT OF SPATIAL SCIENCES, CURTIN UNIVERSITY • Invited Talk, Speaker	<i>Perth, Australia</i> December 8-2014
An investigation of the attributes of walkable environments from the perspective of seniors in Montréal INSTITUTE OF TRANSPORT GEOGRAPHY AND SPATIAL PLANNING, SHAANXI NORMAL UNIVERSITY • Workshop Low-Carbon Cities: Land Use and Transportation Intervention, Speaker	<i>Xi'an, China</i> June 11-2014
Using spatial analysis to support site selection for field work: The case of walkability audits SCHOOL OF ECONOMIC, POLITICAL AND POLICY SCIENCES, UNIVERSITY OF TEXAS AT DALLAS • Invited Talk, Speaker	<i>Dallas, USA</i> May 26-2014
An investigation of the attributes of walkable environments from the perspective of seniors in Montréal POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> May 13-2014
Mobility and the potential for social contact among children in Montréal UNIVERSITY OF UTRECHT • Living in Enclave Cities: Towards Mobility-Based Perspectives on Urban Segregation, Speaker	<i>Utrecht, The Netherlands</i> March 21-2014
Contribuciones de las geotecnologías y análisis espacial al estudio de sistemas de transporte DEPARTMENT OF CIVIL ENGINEERING, INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY • Invited Talk, Speaker	<i>Monterrey, Mexico</i> February 18-2014
Accounting for facility congestion using individual-based estimates of accessibility INSTITUTE FOR PROSPECTIVE TECHNOLOGICAL STUDIES, EUROPEAN COMMISSION • NECTAR Cluster 6 Meeting, Speaker	<i>Sevilla, Spain</i> February 6-2014
The Next 50 Years in Travel Analysis: What We Don't Know but Need to Know 93RD ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD • Panel Session, Panelist	<i>Washington, D.C., USA</i> January 12-2014
Special Topics in Spatial Analysis UNIVERSIDADE FEDERAL DE PERNAMBUCO • Invited Seminar, Instructor	<i>Recife, Brazil</i> July 8 to 12-2013

Mobility for Sustainable Communities SHAD VALLEY MCMASTER • Invited Talk, Speaker	Hamilton, Canada July 4-2013
In the Beginning There was Transportation (There was also GIS) SCHOOL OF GEOSCIENCES, UNIVERSITY OF ABERDEEN • Invited Talk, Speaker	Aberdeen, UK May 20-2013
Mapping Traveler Attitudes: Does Space Matter? POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	Montréal, Canada May 13-2013
Driving out of choices: An investigation of transport modality in a university sample DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF UTAH • Invited Talk, Speaker	Salt Lake City, USA March 29-2013
Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering time-use patterns SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY • Invited Seminar, Presenter	Hamilton, Canada February 4-2013
Web-based accessibility calculator for Montréal POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	Montréal, Canada May 23-2012
Desarrollo de un indicador de ajuste espacial para modelos de selección discreta DEPARTAMENTO DE MÉTODOS CUANTITATIVOS PARA LA ECONOMÍA, UNIVERSIDAD DE MURCIA • Invited Talk, Speaker	Murcia, Spain May 3-2012
Mapping traveler attitudes: Does space matter? CENTER FOR URBAN TRANSPORTATION RESEARCH, UNIVERSITY OF SOUTH FLORIDA • Invited Talk, Speaker	Tampa, USA April 20-2012
Time geography and potential applications for space-time scheduling DEPARTMENT OF CIVIL ENGINEERING, MCMASTER UNIVERSITY • Invited Seminar, Presenter	Hamilton, Canada April 13-2012
Developing a web-based accessibility calculator prototype SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, UNIVERSITY OF PENNSYLVANIA • Invited Talk, Speaker	Philadelphia, USA January 18-2012
Using the Q statistic to explore segregation patterns of ethnic groups SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, ARIZONA STATE UNIVERSITY • Invited Talk, Speaker	Tempe, USA January 13-2012
Developing a web-based accessibility calculator prototype CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA • Symposium "If We Build It Will They Walk?", Presenter	Vancouver, Canada November 1-2011
Walkable schools for sustainable communities ACCOMMODATION REVIEW COMMITTEE (DALEWOOD AREA), HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD • Invited Talk, Speaker	Hamilton, Canada September 14-2011
Spatial analysis: Progress, prospects, and challenges DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT, UNIVERSITY OF WATERLOO • Invited Talk, Speaker	Waterloo, Canada September 13-2011
Introduction to spatial interaction and modal split analysis UNIVERSIDADE DE SÃO PAULO • Graduate Seminar, Instructor	São Paulo, Brazil August 23-2011

From meso-scale analysis to micro-scale environments: A model-based approach for selecting walkability audit sites LATTICE, UNIVERSIDADE FEDERAL DE PERNAMBUCO • Invited Talk, Speaker	<i>Recife, Brazil</i> August 15-2011
Modeling spatial heterogeneity in multivariate regression analysis UNIVERSIDADE FEDERAL DE PERNAMBUCO • Graduate Seminar, Instructor	<i>Recife, Brazil</i> August 15 to 16-2011
Applied Spatial Modeling THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL • Seminar, Instructor	<i>Perth, Australia</i> July 11 to 13-2011
Rapid Transit: Does it Drive Local Economic Development? 3RD ANNUAL TRANSLOG CONFERENCE • Panel Session, Panelist	<i>Hamilton, Canada</i> June 15-2011
Accessibility measures and the contribution of spatial models POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> May 10-2011
Accesibilidad y actividad comercial: Teoría y métodos DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID • Invited Talk, Speaker	<i>Madrid, Spain</i> April 8-2011
Movilidad en la tercera edad: Conceptos y evidencia DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID • Transport Sustainability Course, Instructor	<i>Madrid, Spain</i> April 7-2011
A model-based approach to select case sites for conducting walkability audits DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL • Invited Talk, Speaker	<i>Montréal, Canada</i> February 25-2011
From meso-scale analysis to micro-scale environments: A model-based approach for selecting walkability audit sites SCHOOL OF DESIGN, UNIVERSITY OF PENNSYLVANIA • Invited Talk, Speaker	<i>Philadelphia, USA</i> February 15-2011
On the confluence of social and spatial networks: an example of sense of community among university students UNIVERSITY OF MANCHESTER • Workshop Social Network Analysis in Transport, Presenter	<i>Manchester, UK</i> January 11-2011
Using the Q statistic to explore segregation patterns of ethnic groups DEPT. OF ECONOMICS, UNIVERSIDADE FEDERAL DE PERNAMBUCO • Invited Talk, Speaker	<i>Recife, Brazil</i> August 26-2010
Spatial pricing and the analysis of point patterns UNIVERSIDADE FEDERAL DE PERNAMBUCO • Graduate Seminar, Instructor	<i>Recife, Brazil</i> August 24 to 25-2010
Selected topics in spatial analysis UNIVERSIDADE DE SÃO PAULO • Graduate Seminar, Instructor	<i>São Paulo, Brazil</i> August 12 and 27-2010
Mobility and social exclusion: analytical framework and state of knowledge CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA • Symposium "Walk-the-Talk: Linking Research and Community on the Built Environment for Healthy Aging", Keynote Speaker	<i>Vancouver, Canada</i> April 20-2010
Riding cars with seniors: Accessibility implications of mode of travel EDINBURGH COLLEGE OF ART • UK-Canada Study Tour "The Science of Age-Supportive Environments", Speaker	<i>Edinburgh, UK</i> March 11-2010

Mobility in aging: Time geography perspectives

LONDON METROPOLITAN UNIVERSITY

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

London, UK

March 10-2010

Mobility and social exclusion: Results of recent research in Canada

TRANSPORT STUDIES UNIT, UNIVERSITY OF OXFORD

- Invited Talk, Speaker

Oxford, UK

March 4-2010

Social influence and the decision to telework

UNIVERSITY OF NOTTINGHAM

- Workshop Social Network Analysis in Transport, Speaker

Nottingham, UK

March 2-2010

Demographic aging and sustainable transportation

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

- Invited Talk, Speaker

Montréal, Canada

February 18-2010

Positive and Normative Aspects of Accessibility Measurements

INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE-URBANISATION CULTURE SOCIÉTÉ

- Invited Talk, Speaker

Montréal, Canada

February 16-2010

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

89TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD

- Panel Session, Panelist

Washington, D.C., USA

January 13-2010

Selected topics in spatial analysis

UNIVERSIDADE DE SÃO PAULO

- Graduate Seminar, Instructor

São Paulo, Brazil

August 18-2009

Networks and behavior

INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

- Invited Talk, Speaker

São José dos Campos, Brazil

August 14-2009

Introducing spatial analysis in transportation research

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

- Invited Talk, Speaker

Sao Cárlos, Brazil

August 6-2009

Elección de modos de transporte y planificación de infraestructuras

TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID

- Graduate Seminar, Instructor

Madrid, Spain

July 15-2009

Publishing in a spatial analysis journal

ANNUAL MEETING OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

- Panel Session, Panelist

Las Vegas, USA

March 22-2009

Análisis espacial y sistemas de transporte, matrimonio de conveniencia o amor a segunda vista?

DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCIÓN

- Invited Talk, Speaker

Concepción, Chile

March 12-2009

Uso de tiempo y exclusión social en Canadá: Una investigación de actividades comerciales y de servicios desde la perspectiva de grupos vulnerables

DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCIÓN

- Invited Talk, Speaker

Concepción, Chile

March 9-2009

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

HUMAN RESOURCES AND SOCIAL DEVELOPMENT CANADA

- Presentation of Final Report, Presenter

Ottawa, Canada

February 13-2009

Modeling activity spaces using short term travel surveys

SCHOOL OF URBAN PLANNING, MCGILL UNIVERSITY

- Invited Talk, Speaker

Montréal, Canada

February 12-2009

Social Networks and Travel

88TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD

- Panel Session, Panelist

Washington, D.C., USA

January 11-2009

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

FACULTY OF ECONOMICS, ADMINISTRATION, AND ACCOUNTING OF THE UNIVERSIDADE DE SÃO PAULO

- Invited Talk, Speaker

São Paulo, Brazil

October 31-2008

A simulation investigation of weight matrix coding schemes

UNIVERSIDAD POLITÉCNICA DE CARTAGENA

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

Cartagena, Spain

October 10-2008

Movilidad Sostenible

UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO

- Invited Talk, Speaker

Santander, Spain

July 31-2008

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

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

- Invited Talk, Speaker

Vienna, Austria

July 25-2008

Modelos locales: reflexiones sobre su utilidad para análisis inferencial e interpolación espacial

INSTITUTE LAWRENCE R. KLEIN, UNIVERSIDAD AUTÓNOMA DE MADRID

- Invited Talk, Speaker

Madrid, Spain

July 17-2008

Técnicas econométricas para el análisis de sistemas de transporte y usos de suelo urbano

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID

- Graduate Seminar, Instructor

Madrid, Spain

June 23 to 25-2008

Pruebas de hipótesis en estadísticos y modelos espaciales locales

UNIVERSIDAD POLITÉCNICA DE CARTAGENA

- Invited Talk, Speaker

Cartagena, Spain

June 20-2008

Topología de redes y econometría espacial

DEPARTMENT OF ECONOMICS, UNIVERSIDAD DE ZARAGOZA

- Invited Talk, Speaker

Zaragoza, Spain

May 23-2008

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

DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF TORONTO IN MISSISSAUGA

- Invited Talk, Speaker

Mississauga, Canada

March 12-2008

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

DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF TORONTO

- Invited Talk, Speaker

Toronto, Canada

November 30-2007

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

DEPARTMENT OF GEOGRAPHY, RYERSON UNIVERSITY

- Invited Talk, Speaker

Toronto, Canada

November 19-2007

Spatial analysis and travel behavior

DEPARTMENT OF GEOGRAPHY, STATE UNIVERSITY OF NEW YORK AT BUFFALO

- Invited Talk, Speaker

Buffalo, USA

February 23-2007

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

STATE UNIVERSITY OF NEW YORK AT BUFFALO

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

Buffalo, USA

February 23-2007

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

UNIVERSITY OF TORONTO

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

Toronto, Canada

June 12 to 15-2005

Spatial effects in hedonic price functions
CENTRE FOR THE STUDY OF COMMERCIAL ACTIVITY, RYERSON UNIVERSITY
• Invited Talk, Speaker

Toronto, Canada
July 22-2003

Spatial parametric nonstationarity
WILFRIED LAURIER UNIVERSITY
• Students of Spatial Statistics (SOS2), Speaker

Waterloo, Canada
March 13-2003

External Service

United Way Greater Toronto
TECHNICAL ADVISORY COMMITTEE, TORONTO NEIGHBORHOOD’S ASSESSMENT FRAMEWORK

Member
2024-present

Modeling Geographical Systems Commission (International Geographical Union)
STEERING COMMITTEE

Member
2020-present

North American Regional Science Council
BENJAMIN H. STEVENS GRADUATE FELLOWSHIP

Chair
2013

Chaire de recherche industrielle MOBILITÉ (Polytechnique Montreal)
INTERNATIONAL ADVISORY COMMITTEE

Member
2011-present

Transportation Research Board
STANDING COMMITTEE ON SOCIAL AND ECONOMIC FACTORS OF TRANSPORTATION

Member
2011-2016

Association of American Geographers
TRANSPORT GEOGRAPHY SPECIALTY GROUP

Board Member
2010-2012

North American Regional Science Council
BENJAMIN H. STEVENS GRADUATE FELLOWSHIP

Member
2009-2012

International Steering Committee, International Workshop Frontiers in Transportation
UNIVERSITY OF AMSTERDAM

Member
2005

Regional Science Association International
DISSERTATION CONTEST

Coordinator
2004-2007

Internal (Departmental, Faculty, University) Service (Most Recent 10 Years)

Graduate Scholarship Review
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
September 2024-April 2025

Library Representative
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
May 2024-April 2025

AI Expert Panel: Teaching and Learning
MCMASTER UNIVERSITY

Member
May 2024-September 2024

2024 CPM Committee
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
February 2024-March 2024

Faculty of Science Mentorship Program
FACULTY OF SCIENCE, MCMASTER UNIVERSITY

Mentor
September 2023-April 2024

2022 NSERC CGM-Master Ranking Committee
FACULTY OF SCIENCE, MCMASTER UNIVERSITY

Member
September 2021-March 2022

2021 CPM Committee
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
February 2022-March 2022

2019 CPM Committee
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
February 2020-March 2020

Graduate Committee
SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member
July 2019-April 2020

2018 CPM Committee

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

Member

February 2019-March 2019

Search Committee Geology Hire

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Chair

June 2018-April 2019

Search Committee Teaching Stream Hire

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Chair

June 2017-May 2018

Teaching Workload Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2014-July 2015

University Librarian Search Committee

MCMASTER UNIVERSITY

Member

January 2013-July 2013

Space Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2011-July 2014

Tenure and Promotion Committee

FACULTY OF SCIENCE, MCMASTER UNIVERSITY

Member

July 2010-July 2013

High School and Community Outreach, Publicity Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2010-July 2011

Building safety committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2009-July 2010

Space Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2007-July 2008

Publicity Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2006-July 2008

Search Committee Geography Hire

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

September 2006-April 2007

Graduate Committee

SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY

Member

July 2003-July 2008

Search Committee Geography Hire

SCHOOL OF GEOGRAPHY AND GEOLOGY, MCMASTER UNIVERSITY

Member

September 2003-April 2004