

# Antonio Páez

PROFESSOR

School of Earth, Environment and Society  
McMaster University  
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## About this CV

This CV was created programmatically using the R statistical language, and it can be accessed here:  
<https://github.com/paezha/Official-CV/blob/master/awesomecv/paez-killam-cv.pdf>

## 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 memes.
- A 2024 global bibliometric analysis by Research.com of the most influential scholars in the social sciences and humanities (about 16,000 researchers) places me in the **top 3%** of scholars in the world.
- In 2024 I was recognized with the **Edward L. Ullman Award** of the Association of American Geographers for lifelong commitment and contributions to the field of transportation geography.
- In 2010 a research team I led was recognized with the **Meredith F. Burrill Award** of the Association of American Geographers for exceptional work at the intersection of policy and basic research in geography.

## Education

### Tohoku University

PHD Sendai, Japan  
1997-2000

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

### Tohoku University

M.Sc. Sendai, Japan  
1995-1997

- Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

### Instituto Tecnológico y de Estudios Superiores de Monterrey

B.ENG. Monterrey, Mexico  
1989-1993

## Current Status at McMaster

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

## Employment History

### ACADEMIC

#### School of Earth, Society and Environment, McMaster University

PROFESSOR Hamilton, Canada  
July 2014-present

#### School of Geography and Earth Sciences, McMaster University

ASSOCIATE PROFESSOR Hamilton, Canada  
July 2007-June 2014

#### School of Geography and Geology, McMaster University

ASSISTANT PROFESSOR Hamilton, Canada  
July 2002-June 2007

#### Center for Northeast Asian Studies, Tohoku University

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

### INDUSTRY

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

SCIENTIFIC AWARDS

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

VISITING PROFESSORSHIPS

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

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

TRAINEE HONOURS

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

EDITORSHIPS

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

<b>Editorial Board Member</b> INGENIERÍA DE TRANSPORTE	2015-present
<b>Editorial Board Member</b> INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE	January 2019-present
<b>Editorial Board Member</b> JOURNAL OF TRANSPORT GEOGRAPHY	2018-present
<b>Editorial Board Member</b> OPEN ENVIRONMENTAL JOURNAL	January, 2008-May, 2012
<b>Editorial Board Member</b> OPEN GEOGRAPHY JOURNAL	January, 2008-May, 2012
<b>Editorial Board Member</b> OPEN URBAN STUDIES JOURNAL	January, 2008-May, 2012
<b>Editorial Board Member</b> PAPERS IN REGIONAL SCIENCE	January 2015-December 2020
<b>Editorial Board Member</b> TRANSPORTATION	January 2012-present

## Scholarly and Professional Activities

### JOURNAL REFEREE

#### 0.0.1 Number of Total Lifetime Reviews

333

#### 0.0.2 Number of Reviews in 2024

7

#### 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.

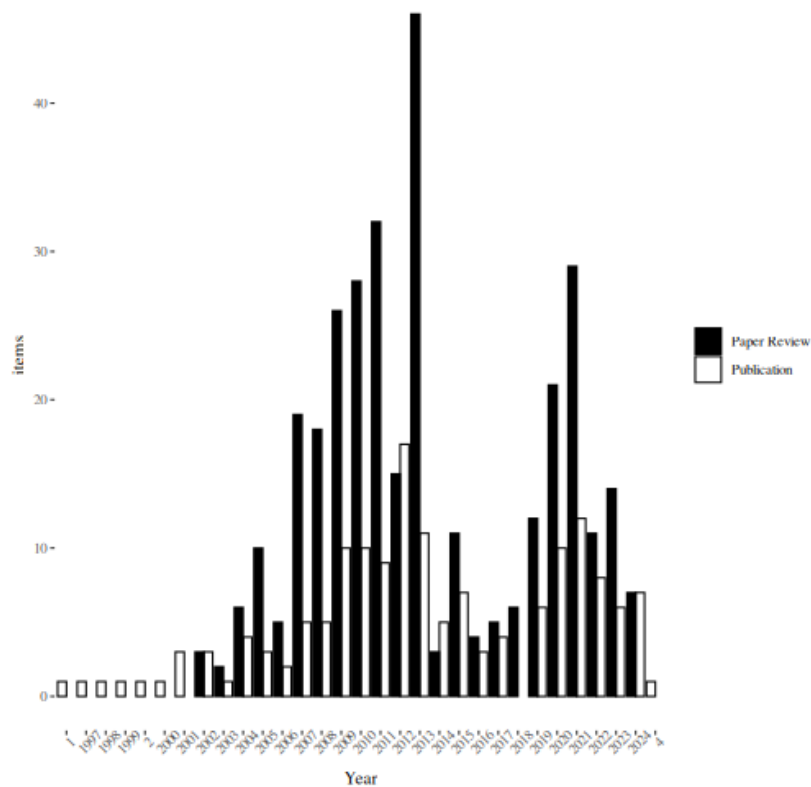


Figure 1: Reviews-to-publications by year

## Grant Reviews

### Executive Agency for Higher Education, Research, Development and Innovation Funding (Romania)

EXTERNAL REVIEWER

2024

Number of reviews: 5

### European Research Council (European Union)

PANEL MEMBER

2022

Number of reviews: 9

### Swiss National Science Foundation (Switzerland)

EXTERNAL REVIEWER

2015

Number of reviews: 1

### US National Science Foundation (USA)

EXTERNAL REVIEWER

2013

Number of reviews: 1

### Fonds Wetenschappelijk Onderzoek - Vlaanderen (Canada)

EXTERNAL REVIEWER

2012

Number of reviews: 1

### University of California Davis Sustainable Transportation Center (USA)

EXTERNAL REVIEWER

2012

Number of reviews: 1

### US National Science Foundation (USA)

EXTERNAL REVIEWER

2012

Number of reviews: 1

### Canada Research Chair Programme (Canada)

EXTERNAL REVIEWER

2011

Number of reviews: 1

### Fonds de recherche du Quebec Nature et technologies (Canada)

EXTERNAL REVIEWER

2011

Number of reviews: 1

### Natural Science and Engineering Research Council (Canada)

EXTERNAL REVIEWER

2011

Number of reviews: 1

### Swiss National Science Foundation (Switzerland)

EXTERNAL REVIEWER

2011

Number of reviews: 1

### University of California Davis Sustainable Transportation Center (USA)

EXTERNAL REVIEWER

2011

Number of reviews: 1

<b>US National Science Foundation (USA)</b> EXTERNAL REVIEWER	2011 Number of reviews: 1
<b>Hong Kong Health and Health Services Research Fund (Canada)</b> EXTERNAL REVIEWER	2010 Number of reviews: 1
<b>US National Science Foundation (USA)</b> EXTERNAL REVIEWER	2009 Number of reviews: 2
<b>US National Science Foundation (USA)</b> EXTERNAL REVIEWER	2008 Number of reviews: 1
<b>US National Science Foundation (USA)</b> EXTERNAL REVIEWER	2007 Number of reviews: 1
<b>Natural Science and Engineering Research Council (Canada)</b> EXTERNAL REVIEWER	2005 Number of reviews: 1
<b>US National Science Foundation (USA)</b> EXTERNAL REVIEWER	2005 Number of reviews: 1

**Areas of Interest**

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

**Teaching at a Glance**

TOTAL NUMBER OF COURSES TAUGHT  
 Undergraduate: 55  
 Graduate: 18  
 TOTAL NUMBER OF STUDENTS  
 Undergraduate: 2,307  
 Graduate: 85

<b>Teaching (Details)</b>	
UNDERGRADUATE TEACHING	
<b>Transportation Geography</b> TOTAL ENROLMENT: 80 STUDENTS	Times offered: 2 ENVSOCY 3LT3
<b>Applied Spatial Statistics</b> TOTAL ENROLMENT: 113 STUDENTS	Times offered: 3 ENVSOCY 4GA3
<b>Transport Policy</b> TOTAL ENROLMENT: 46 STUDENTS	Times offered: 3 ENVSOCY 4LP3
<b>Locational Analysis</b> TOTAL ENROLMENT: 492 STUDENTS	Times offered: 6 GEOG 2HA3
<b>Transportation and Economic Activity</b> TOTAL ENROLMENT: 415 STUDENTS	Times offered: 4 GEOG 2LI3
<b>Transportation Geography</b> TOTAL ENROLMENT: 284 STUDENTS	Times offered: 8 GEOG 3LT3
<b>Analysis of Transportation Systems</b> TOTAL ENROLMENT: 280 STUDENTS	Times offered: 6 GEOG 4D03
<b>Applied Spatial Statistics</b> TOTAL ENROLMENT: 186 STUDENTS	Times offered: 6 GEOG 4GA3
<b>Special Topics in GIS: Geodemographic Analysis</b> TOTAL ENROLMENT: 20 STUDENTS	Times offered: 1 GEOG 4GT3

## Transport Policy

TOTAL ENROLMENT: 118 STUDENTS

Times offered: 7

GEOG 4LP3

## Analysis of Transportation Systems

TOTAL ENROLMENT: 166 STUDENTS

Times offered: 4

GEOG 4LT3

## Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 107 STUDENTS

Times offered: 5

GEOG 4S03

## GRADUATE TEACHING

### Reproducible Research Workflow

TOTAL ENROLMENT: 23 STUDENTS

Times offered: 3

GEO \*712

### Transport Policy and Elderly Mobility

TOTAL ENROLMENT: 1 STUDENTS

Times offered: 1

GEO \*715

### Discrete Choice and Policy Analysis

TOTAL ENROLMENT: 54 STUDENTS

Times offered: 10

GEO \*738

### Transport Policy

TOTAL ENROLMENT: 7 STUDENTS

Times offered: 4

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	Economy	-	1	-
Master	Geography	10	5	1
Master	Public Health	1	1	-
Master	Civil Engineering	-	8	-
Master	Economy	-	4	-
Undergraduate	Civil Engineering	2	-	-
Undergraduate	Engineering and Society	9	1	-
Undergraduate	Geography	13	1	-
Undergraduate	Life Sciences	1	-	-
Undergraduate	Physics	1	-	-

## UNDERGRADUATE SUPERVISION

### Zibby Petch (McMaster University, Canada)

2010

Civil Engineering

### Karolina Krol (McMaster University, Canada)

2009

Civil Engineering

### Josh Arbess (McMaster University, Canada)

2021

Engineering and Society

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



## MASTER'S SUPERVISION

**Mahdis Moghadasi (McMaster University, Canada)**

*In Progress*

Geography

**Niloofer Nalae (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

Economy

**Mario Reyes (McMaster University, Canada)**

*2013*

Geography

**Sammara C. Soares (Universidade Federal de Pernambuco, Brazil)**

*2012*

CO-SUPERVISED WITH TATIANE MENEZES

Economy

**Kristina Cimaroli (McMaster University, Canada)**

*2012*

CO-SUPERVISED WITH K. BRUCE NEWBOLD

Geography

**Jarin Esita (McMaster University, Canada)**

*2012*

Geography

**Eduardo Barbosa (Universidade de Sao Paulo, Brazil)**

*2011*

CO-SUPERVISED WITH EDUARDO A. HADDAD

Economy

**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 (Universidade de Sao Paulo, Brazil)**

*2010*

CO-SUPERVISED WITH EDUARDO A. HADDAD

Economy

**Ivy Dam (McMaster University, Canada)**

*2009*

CO-SUPERVISED WITH DARREN M. SCOTT

Geography

<b>Natalia Andrea Ruminot Villegas (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2009 Civil Engineering
<b>Felipe Antonio Sanhueza Cardenas (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2009 Civil Engineering
<b>Julien Bonin (McMaster University, Canada)</b>	2008 Geography
<b>Fei Long (McMaster University, Canada)</b>	2006 Geography
<b>Kenji Kawai (Tohoku University, Japan)</b> CO-SUPERVISED WITH KAZUAKI MIYAMOTO	2002 Civil Engineering
<b>Eri Yamada (Tohoku University, Japan)</b> CO-SUPERVISED WITH KAZUAKI MIYAMOTO	2001 Civil Engineering
DOCTORAL SUPERVISION	
<b>Bruno Dias dos Santos (McMaster University, Canada)</b>	In Progress Geography
<b>Anastasia Soukhov (McMaster University, Canada)</b>	In Progress Geography
<b>Elise Desjardins (McMaster University, Canada)</b>	In Progress Geography
<b>Fernando Romero (Universidad Politecnica de Madrid, Spain)</b> CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	2020 Civil Engineering
<b>Kate Whalen (McMaster University, Canada)</b>	2020 Geography
<b>Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais, Brazil)</b> CO-SUPERVISED WITH PEDRO AMARAL	2019 Economy
<b>Faten Almjlad (McMaster University, Canada)</b>	Withdrew from Program Geography
<b>Li He (McMaster University, Canada)</b>	2016 Geography
<b>Md Moniruzzaram (McMaster University, Canada)</b>	2014 Geography
<b>Mario Reyes (McMaster University, Canada)</b>	Withdrew from Program Geography
<b>Daniel Del Bianco (McMaster University, Canada)</b>	Withdrew from Program Geography
<b>Lucia Mejia (Universidad Politecnica de Madrid, Spain)</b> CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	2011 Civil Engineering
<b>Steven Farber (McMaster University, Canada)</b>	2010 Geography
<b>Ruben Mercado (McMaster University, Canada)</b>	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-) 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 Iglori)

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

## Research and Other Funding

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### FUNDING AT A GLANCE

The funding total of all projects that I have been part of is CAD 5,562,694. 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 8,810. And, I have received numerous travel grants, amounting to CAD 8,274.

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.

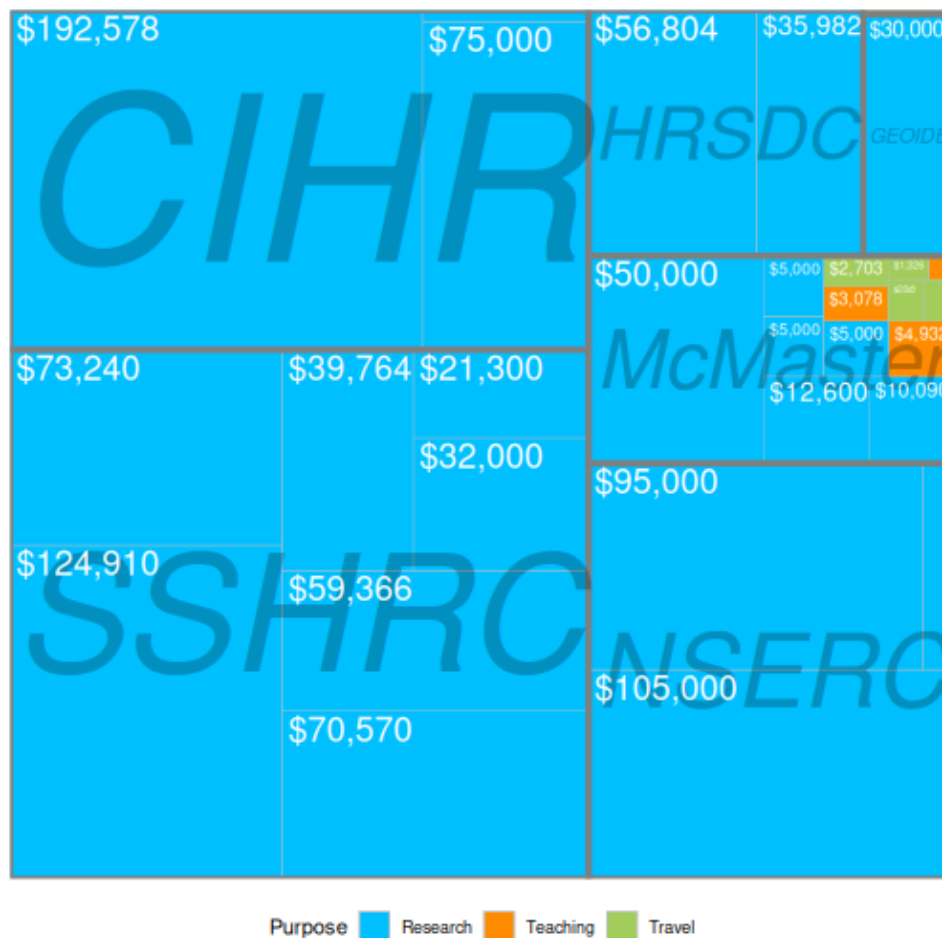


Figure 2: My share of research funds by source

## DETAILED FUNDING

<b>McMaster University, International Initiatives Micro Fund, Canada</b>	<b>CAD 5,000</b>
ACTIVE SUSTAINABLE TRANSPORTATION: BARRIERS TO CYCLING AMONG UNIVERSITY STUDENTS	2024
• Pl: Antonio Paez; team size: 2 researchers	
<b>Arts and Research Board McMaster University, Canada</b>	<b>CAD 1,700</b>
CONFERENCE GRANT	2024
• Pl: Antonio Paez; team size: 1 researchers	
<b>McPherson Institute-McMaster University Libraries, Canada</b>	<b>CAD 4,932</b>
PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS	2021-2022
• Pl: Antonio Paez; team size: 2 researchers	
<b>Social Sciences and Humanities Research Council, Canada</b>	<b>CAD 2,498,195</b>
MOBILIZING JUSTICE	2020-2025
• Pl: Steven Farber; team size: 10 researchers	
<b>Social Sciences and Humanities Research Council, Canada</b>	<b>CAD 296,830</b>
CHILDREN'S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME)	2020-2025
• Pl: E. Owen D. Waygood; team size: 4 researchers	
<b>McMaster Interdisciplinary Research Fund, Canada</b>	<b>CAD 42,000</b>
EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA	2018-2019
• Pl: Antonio Paez; team size: 4 researchers	
<b>Social Sciences and Humanities Research Council, Canada</b>	<b>CAD 49,705</b>
DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON	2017-2018
• Pl: Christopher Higgins; team size: 2 researchers	
<b>Labrage Optimal Aging Initiative, Canada</b>	<b>CAD 50,449</b>
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	2014-2015
• Pl: Amanda Grenier; team size: 4 researchers	
<b>McMaster University, Canada</b>	<b>CAD 5,000</b>
INCENTIVE FUNDING	2014
• Pl: Antonio Paez; team size: 1 researchers	
<b>Natural Sciences and Engineering Research Council, Canada</b>	<b>CAD 95,000</b>
CRITICAL INFRASTRUCTURE: EVALUATING THE EFFECT OF NETWORK TOPOLOGY AND AUTOCORRELATION	2011-2016
• Pl: Antonio Paez; team size: 1 researchers	
<b>Canadian Institutes of Health Research, Canada</b>	<b>CAD 25,000</b>
ENHANCING THE MOBILITY AND HEALTH OF OLDER ADULTS	2011
• Pl: Heather McKay; team size: 6 researchers	
<b>Canadian Institutes of Health Research, Canada</b>	<b>CAD 1,500,000</b>
WALK THE TALK: TRANSFORMING THE BUILT ENVIRONMENT TO ENHANCE MOBILITY IN SENIORS	2010-2016
• Pl: Heather McKay; team size: 10 researchers	
<b>Canadian Institutes of Health Research, Canada</b>	<b>CAD 240,723</b>
CANADA'S BLOOD FUTURES: GEOGRAPHY, DEMOGRAPHIC CHANGE, AND THE SUPPLY AND DEMAND OF BLOOD IN CANADA	2010-2013
• Pl: Antonio Paez; team size: 4 researchers	
<b>Social Sciences and Humanities Research Council, Canada</b>	<b>CAD 91,550</b>
PARKS, SHOPS, AND FRIENDS: HOW DO THE BUILT AND SOCIAL ENVIRONMENTS INFLUENCE TRAVEL BEHAVIOR?	2010-2012
• Pl: Antonio Paez; team size: 2 researchers	
<b>Arts and Research Board McMaster University, Canada</b>	<b>CAD 1,326</b>
CONFERENCE GRANT	2010
• Pl: Antonio Paez; team size: 1 researchers	

<b>Human Resources and Social Development Canada, Canada</b> 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	<b>CAD 35,982</b> 2009
<b>Social Sciences and Humanities Research Council, Canada</b> UNDERSTANDING BARRIERS TO PARTICIPATION IN SPORT AND OTHER PHYSICAL ACTIVITIES • Pl: Darren M. Scott; team size: 2 researchers	<b>CAD 106,500</b> 2008-2011
<b>Centre for Leadership in Learning McMaster University, Canada</b> DEVELOPING A WEB-BASED SURVEY TO COLLECT STUDENT TRAVEL BEHAVIOR INFORMATION • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 800</b> 2008
<b>North American Regional Science Council, US</b> TRAVEL GRANT • Pl: Antonio Paez; team size: 1 researchers	<b>USD 500</b> 2008
<b>Human Resources and Social Development Canada, Canada</b> SPATIAL MISMATCH IN CANADIAN COMMUNITIES: THE SOCIO-ECONOMIC OUTCOMES OF TRANSPORTATION INFRASTRUCTURE AND ACCESS • Pl: Antonio Paez; team size: 5 researchers	<b>CAD 56,804</b> 2008
<b>Social Sciences and Humanities Research Council, Canada</b> BLOOD DONOR RESEARCH: INDIVIDUAL DETERMINANTS AND GEOGRAPHICAL PROFILE OF BLOOD DONORS • Pl: Antonio Paez; team size: 3 researchers	<b>CAD 40,000</b> 2007-2008
<b>Arts and Research Board McMaster University, Canada</b> CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 2,045</b> 2007
<b>Social Sciences and Humanities Research Council, Canada</b> SOCIAL INFLUENCE ON TRAVEL BEHAVIOR: A CASE STUDY OF THE DECISION TO TELECOMMUTE • Pl: Antonio Paez; team size: 2 researchers	<b>CAD 88,212</b> 2005-2007
<b>Natural Sciences and Engineering Research Council, Canada</b> INTERNATIONAL WORKSHOP FRONTIERS IN TRANSPORTATION: SOCIAL AND SPATIAL INTERACTIONS • Pl: Antonio Paez; team size: 4 researchers	<b>CAD 8,660</b> 2005
<b>Arts and Research Board McMaster University, Canada</b> CONFERENCE GRANT • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 2,703</b> 2005
<b>McMaster University, Canada</b> INCENTIVE FUNDING • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 5,000</b> 2004
<b>Centre for Leadership in Learning McMaster University, Canada</b> USING SPREADSHEETS AND GRAPHICS TO IMPROVE MATHEMATICAL INTUITION IN GEOGRAPHICAL PROBLEM SOLVING: THE CASE OF LOCATIONAL ANALYSIS • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 3,078</b> 2004
<b>Natural Sciences and Engineering Research Council, Canada</b> MODELING CONTINUOUS-SPACE CONTEXTUAL EFFECTS IN TRANSPORTATION SYSTEMS • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 105,000</b> 2003-2007
<b>Geomatics for Informed Decisions (GEOIDE), Canada</b> TRANSPORTATION IMPLICATIONS OF CANADA'S AGING SOCIETY • Pl: Darren M. Scott; team size: 6 researchers	<b>CAD 150,000</b> 2003-2004
<b>McMaster University, Canada</b> START-UP FUNDS • Pl: Antonio Paez; team size: 1 researchers	<b>CAD 50,000</b> 2002

## Research Impact

Fig. 3 gives a summary of my research impact according to Google Scholar. As of Jul, 2024, my research has been cited a total of 12,184 times, and my h-index is 57. The i10-index indicates that 129, or approximately 78% 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 a 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 7,274 per peer-reviewed article (not counting book chapters, edited books, or books). To put this number in context, this is equivalent to 55% of a one-year graduate research assistantship at my institution. In terms of impact, the cost-effect of my research is CAD 93 per citation.

## 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

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. 7 maps the relationship between key topics in my peer-reviewed publications, based on keywords of the documents. Fig. 8 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	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	155	3.35	7	12 (8%)	34 (22%)	61 (39%)	31 (20%)	17 (11%)

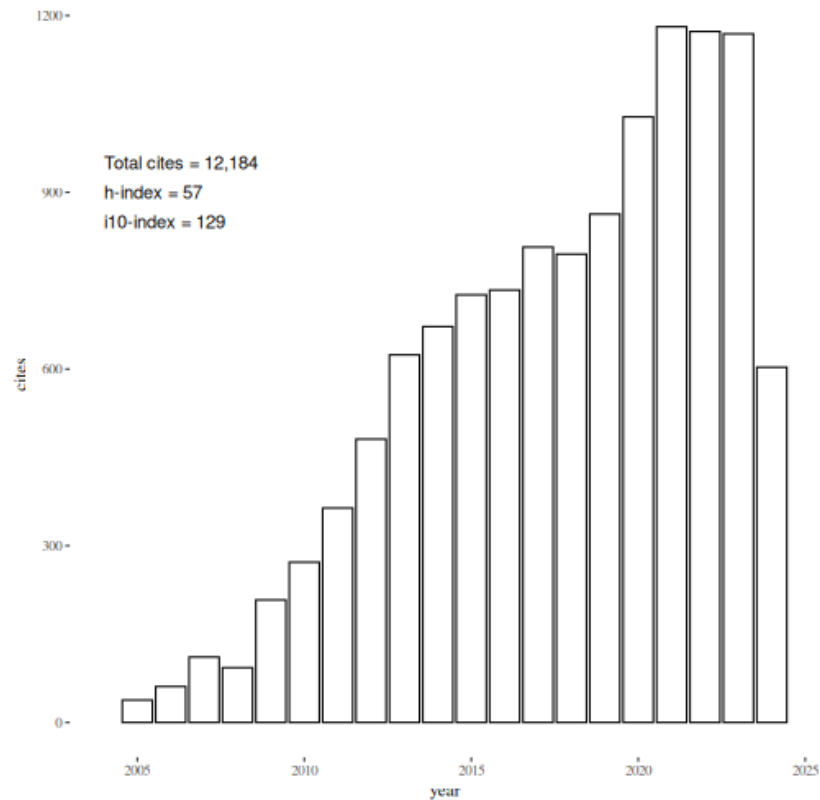


Figure 3: Citations per year (data from Google Scholar)

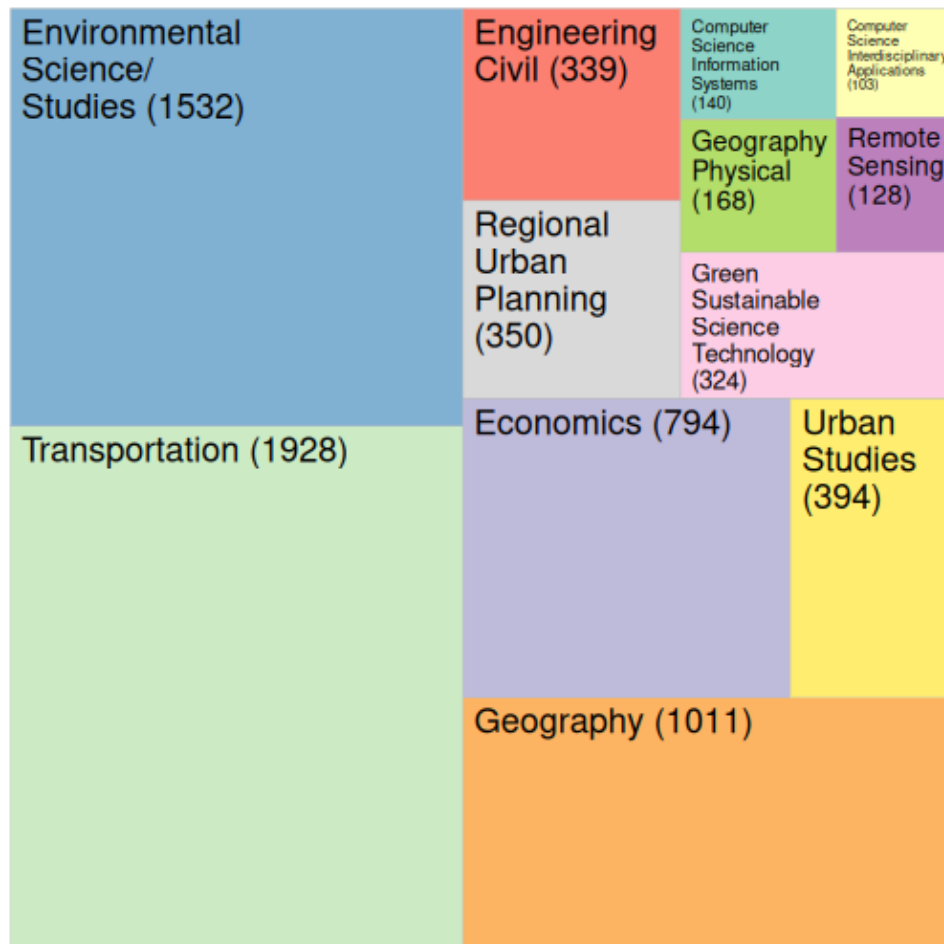


Figure 4: Citations by field (data from Web of Science)



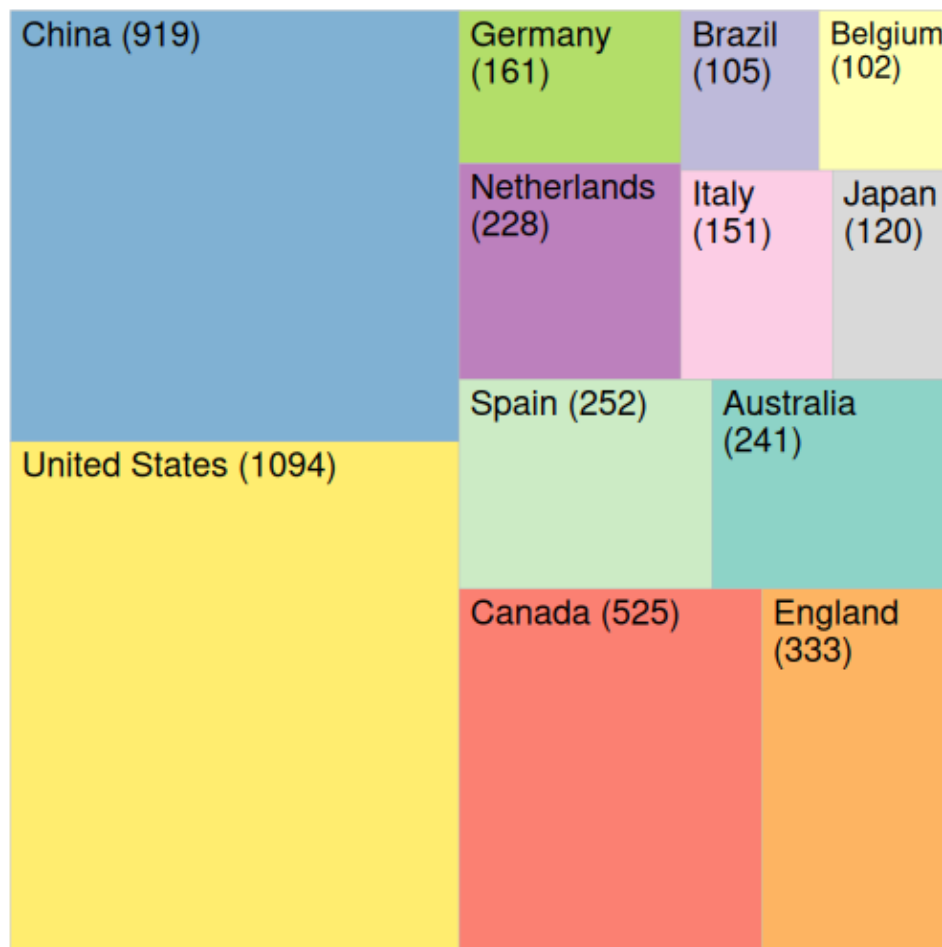


Figure 5: Citations by country (data from Web of Science)

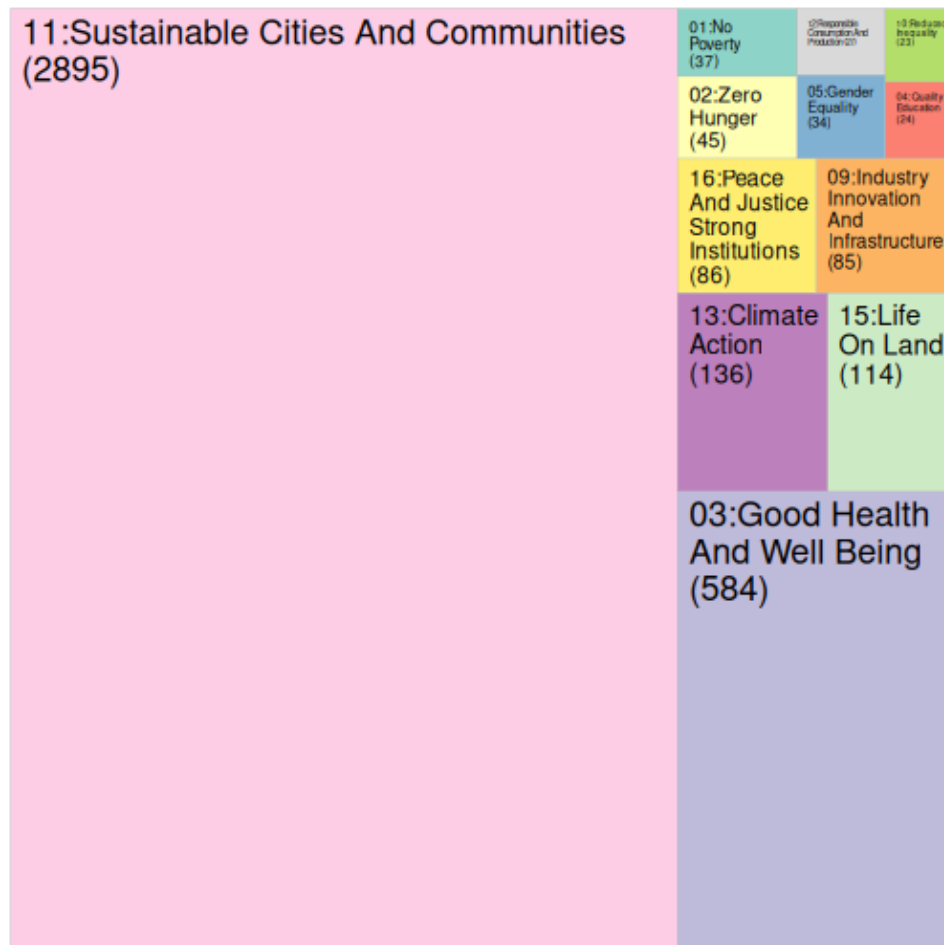


Figure 6: Citations by Sustainable Development Goal (data from Web of Science)

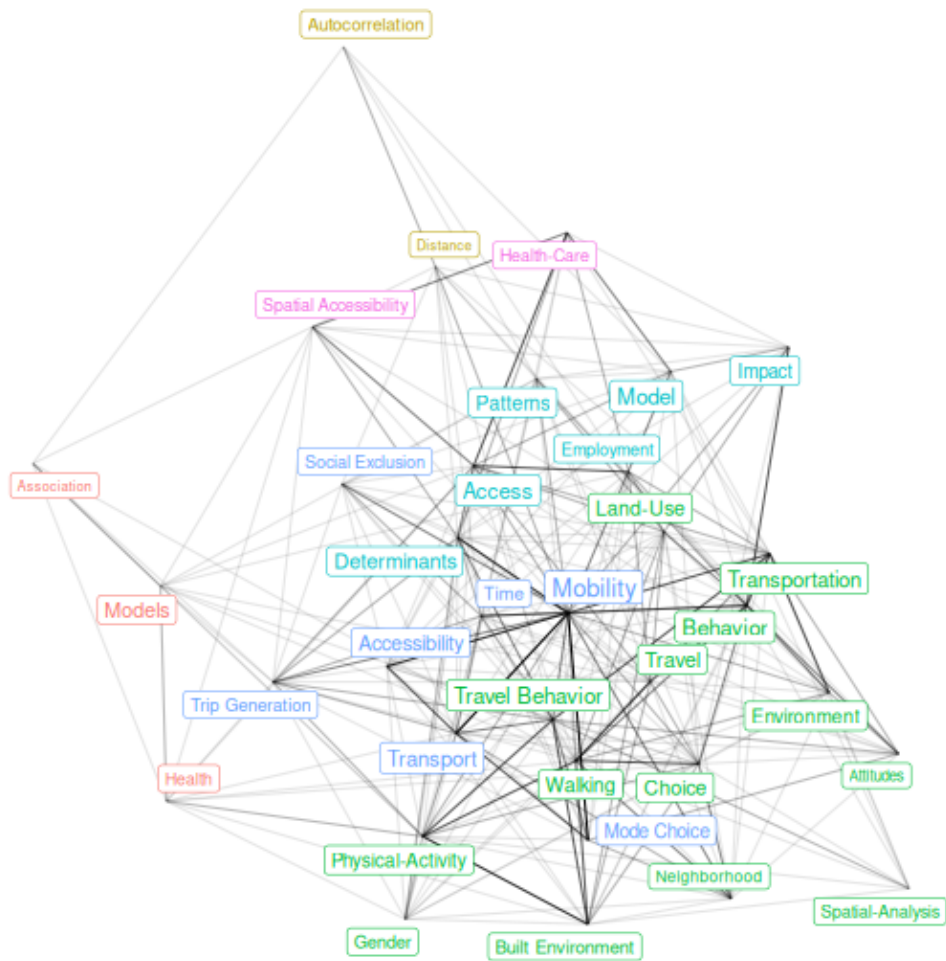


Figure 7: Key topics in my peer-reviewed publications

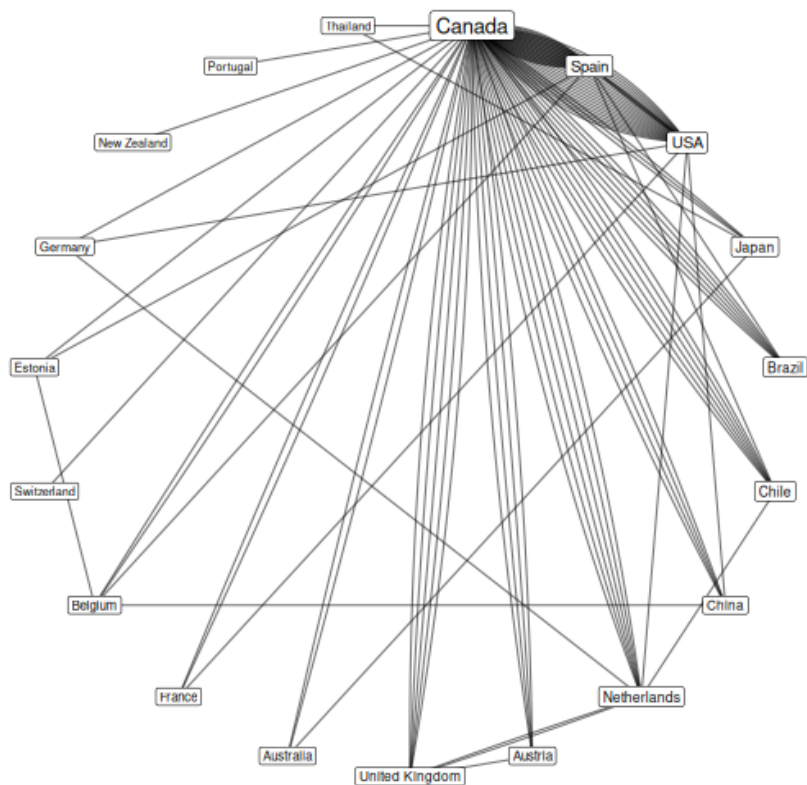


Figure 8: International collaborations

## 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

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2. Kanaroglou, P., Delmelle, E., & Páez, A. (2015). *Spatial analysis in health geography*. Ashgate Publishing, Ltd.
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## PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)

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10. 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>
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12. 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/https://doi.org/10.1016/j.jtrangeo.2022.103525>
13. 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>
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15. 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>
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150. 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.
151. 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.
152. 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.
153. 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.
154. 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.
155. 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>

#### 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. Páez, A. (2024). An AI is haunting campus: A call for human-centered higher-education [Journal Article]. *Computers & Education*.
6. 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

### Applied accessibility analysis using FOSS

TRANSPORTATION SERVICES, CITY OF TORONTO

- Instructor

Toronto, Canada

May 28-2024

### Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Presenter

Hamilton, Canada

April 15-2024

### Open Educational Resources: What, Why and How?

UNIVERSIDAD COMPLUTENSE DE MADRID

- Presenter

Madrid, Spain

June 12-2023

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

MCMASTER UNIVERSITY

- Instructor

Hamilton, Canada

April 14 and 21-2023

### Accessibility and Threshold Selection

POLYTECHIQUE MONTRÉAL

- Presenter

Montréal, Canada

May 20-2022

### Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Presenter

Hamilton, Canada

April 4-2022

## Invited Talks, Seminars, Workshops, Courses, and Panels

### LIFETIME TALKS, SEMINARS, WORKSHOPS, PANELS

My lifetime number of talks is 127.

### DETAILS

#### 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

## **An introduction to exploratory data analysis in R**

UNIVERSIDADE FEDERAL DO ABC

- Invited workshop, Instructor

*São Paulo, Brazil*

*June 10-15-2024*

## **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*

## **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 REPRODUCIBILITY

- 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*

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

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

- Invited Talk, Speaker

*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

*Thessaloniki, Greece*

*May 6-2015*

## Accessible Accessibility Research Challenges

ASSOCIATION OF AMERICAN GEOGRAPHERS

- Fleming Lecture in Transport Geography (Prof. Bert van Wee), Discussant

*Chicago, USA*

*April 23-2015*

## Transportation and Spatial Analysis

DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA SANTA BARBARA

- Invited Talk, Speaker

*Santa Barbara, USA*

*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

*Birmingham, UK*

*January 12-2015*

## Selected topics in spatial analysis

THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL

- Invited workshop, Instructor

*Perth, Australia*

*December 12 to 17-2014*

## Mobility for sustainable communities

THE UNIVERSITY OF WESTERN AUSTRALIA

- Invited Talk, Speaker

*Perth, Australia*

*December 15-2014*

## Mobility-based geodemographics

THE UNIVERSITY OF WESTERN AUSTRALIA

- Invited Talk, Speaker

*Perth, Australia*

*December 10-2014*

## Mapping traveler attitudes: Does space matter?

DEPARTMENT OF SPATIAL SCIENCES, CURTIN UNIVERSITY

- Invited Talk, Speaker

*Perth, Australia*

*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

*Xi'an, China*

*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

*Dallas, USA*

*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

*Montréal, Canada*

*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

*Utrecht, The Netherlands*

*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

*Monterrey, Mexico*

*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

*Sevilla, Spain*

*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

*Washington, D.C., USA*

*January 12-2014*

## Special Topics in Spatial Analysis

UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Invited Seminar, Instructor

*Recife, Brazil*

*July 8 to 12-2013*

## Mobility for Sustainable Communities

SHAD VALLEY MCMASTER

- Invited Talk, Speaker

*Hamilton, Canada*

*July 4-2013*

<b>In the Beginning There was Transportation (There was also GIS)</b> SCHOOL OF GEOSCIENCES, UNIVERSITY OF ABERDEEN • Invited Talk, Speaker	Aberdeen, UK May 20-2013
<b>Mapping Traveler Attitudes: Does Space Matter?</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	Montréal, Canada May 13-2013
<b>Driving out of choices: An investigation of transport modality in a university sample</b> DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF UTAH • Invited Talk, Speaker	Salt Lake City, USA March 29-2013
<b>Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering time-use patterns</b> SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY • Invited Seminar, Presenter	Hamilton, Canada February 4-2013
<b>Web-based accessibility calculator for Montréal</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	Montréal, Canada May 23-2012
<b>Desarrollo de un indicador de ajuste espacial para modelos de selección discreta</b> DEPARTAMENTO DE MÉTODOS CUANTITATIVOS PARA LA ECONOMÍA, UNIVERSIDAD DE MURCIA • Invited Talk, Speaker	Murcia, Spain May 3-2012
<b>Mapping traveler attitudes: Does space matter?</b> CENTER FOR URBAN TRANSPORTATION RESEARCH, UNIVERSITY OF SOUTH FLORIDA • Invited Talk, Speaker	Tampa, USA April 20-2012
<b>Time geography and potential applications for space-time scheduling</b> DEPARTMENT OF CIVIL ENGINEERING, MCMASTER UNIVERSITY • Invited Seminar, Presenter	Hamilton, Canada April 13-2012
<b>Developing a web-based accessibility calculator prototype</b> SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, UNIVERSITY OF PENNSYLVANIA • Invited Talk, Speaker	Philadelphia, USA January 18-2012
<b>Using the Q statistic to explore segregation patterns of ethnic groups</b> SCHOOL OF GEOGRAPHICAL SCIENCES AND URBAN PLANNING, ARIZONA STATE UNIVERSITY • Invited Talk, Speaker	Tempe, USA January 13-2012
<b>Developing a web-based accessibility calculator prototype</b> CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA • Symposium "If We Build It Will They Walk?", Presenter	Vancouver, Canada November 1-2011
<b>Walkable schools for sustainable communities</b> ACCOMMODATION REVIEW COMMITTEE (DALEWOOD AREA), HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD • Invited Talk, Speaker	Hamilton, Canada September 14-2011
<b>Spatial analysis: Progress, prospects, and challenges</b> DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT, UNIVERSITY OF WATERLOO • Invited Talk, Speaker	Waterloo, Canada September 13-2011
<b>Introduction to spatial interaction and modal split analysis</b> UNIVERSIDADE DE SÃO PAULO • Graduate Seminar, Instructor	São Paulo, Brazil August 23-2011
<b>From meso-scale analysis to micro-scale environments: A model-based approach for selecting walkability audit sites</b> LATTICE, UNIVERSIDADE FEDERAL DE PERNAMBUCO • Invited Talk, Speaker	Recife, Brazil August 15-2011

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

## **Econometric techniques for urban transport and land use analysis**

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

- Short Course, Instructor

*Montréal, Canada*

*February 9 to 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

## Selected topics in spatial analysis

UNIVERSIDADE DE SÃO PAULO

- Short Course, Instructor

São Paulo, Brazil

October 23 and 30-2008

## 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

<b>Integrated Land-use and Transportation Models: Frameworks, Models and Applications</b> 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
<b>Spatial effects in hedonic price functions</b> CENTRE FOR THE STUDY OF COMMERCIAL ACTIVITY, RYERSON UNIVERSITY • Invited Talk, Speaker	Toronto, Canada July 22-2003
<b>Spatial parametric nonstationarity</b> WILFRIED LAURIER UNIVERSITY • Students of Spatial Statistics (SOS2), Speaker	Waterloo, Canada March 13-2003

External Service

<b>United Way Greater Toronto</b>  MEMBER	Technical Advisory Committee, Toronto Neighborhood's Assessment Framework 2021-present
<b>Steering Committee</b>  MEMBER	Modeling Geographical Systems Commission (International Geographical Union) 2020-present
<b>Benjamin H. Stevens Graduate Fellowship</b>  CHAIR	North American Regional Science Council 2013
<b>International Advisory Committee</b>  MEMBER	Chaire de recherche industrielle MOBILITÉ (Polytechnique Montreal) 2011-present
<b>Standing Committee on Social and Economic Factors of Transportation</b>  MEMBER	Transportation Research Board 2011-2016
<b>Transport Geography Specialty Group</b>  BOARD MEMBER	Association of American Geographers 2010-2012
<b>Benjamin H. Stevens Graduate Fellowship</b>  MEMBER	North American Regional Science Council 2009-2012
<b>International Steering Committee, International Workshop Frontiers in Transportation</b>  MEMBER	University of Amsterdam 2005
<b>Dissertation Contest</b>  COORDINATOR	Regional Science Association International 2004-2007

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

<b>AI Expert Panel: Teaching and Learning</b> MEMBER	McMaster University May 2024-June 2024
<b>2023 CPM Committee</b>  MEMBER	School of Earth, Environment and Society, McMaster University February 2024-March 2024
<b>Faculty of Science Mentorship Program</b>  MENTOR	Faculty of Science, McMaster University September 2023-April 2024



<b>2022 NSERC CGM-Master Ranking Committee</b>	<i>Faculty of Science, McMaster University</i>
MEMBER	<i>September 2021-March 2022</i>
<b>2021 CPM Committee</b>	<i>School of Earth, Environment and Society, McMaster University</i>
MEMBER	<i>February 2022-March 2022</i>
<b>2019 CPM Committee</b>	<i>School of Earth, Environment and Society, McMaster University</i>
MEMBER	<i>February 2020-March 2020</i>
<b>Graduate Committee</b>	<i>School of Earth, Environment and Society, McMaster University</i>
MEMBER	<i>July 2019-April 2020</i>
<b>2018 CPM Committee</b>	<i>School of Earth, Environment and Society, McMaster University</i>
MEMBER	<i>February 2019-March 2019</i>
<b>Search Committee Geology Hire</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
CHAIR	<i>June 2018-April 2019</i>
<b>Search Committee Teaching Stream Hire</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
CHAIR	<i>June 2017-May 2018</i>
<b>Teaching Workload Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2014-July 2015</i>
<b>University Librarian Search Committee</b>	<i>McMaster University</i>
MEMBER	<i>January 2013-July 2013</i>
<b>Space Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2011-July 2014</i>
<b>Tenure and Promotion Committee</b>	<i>Faculty of Science, McMaster University</i>
MEMBER	<i>July 2010-July 2013</i>
<b>High School and Community Outreach, Publicity Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2010-July 2011</i>
<b>Building safety committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2009-July 2010</i>
<b>Space Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2007-July 2008</i>
<b>Publicity Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2006-July 2008</i>
<b>Search Committee Geography Hire</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>September 2006-April 2007</i>
<b>Graduate Committee</b>	<i>School of Geography and Earth Sciences, McMaster University</i>
MEMBER	<i>July 2003-July 2008</i>

