

# 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

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

1997-2000

### Tohoku University

M.Sc. Sendai, Japan

- Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

1995-1997

### Instituto Tecnológico y de Estudios Superiores de Monterrey

B.ENG. Monterrey, Mexico

1989-1993

## Current Status at McMaster

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

## Employment History

### ACADEMIC

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

PROFESSOR Hamilton, Canada

July 2014-present

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

ASSOCIATE PROFESSOR Hamilton, Canada

July 2007-June 2014

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

ASSISTANT PROFESSOR Hamilton, Canada

July 2002-June 2007

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

RESEARCH FELLOW-LECTURER Sendai, Japan

October 2000-March 2002

### INDUSTRY

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

# Honours

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## SCIENTIFIC AWARDS

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

## VISITING PROFESSORSHIPS

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

## SCHOLARSHIPS

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

## TRAINEE HONOURS

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

# Editorial Activities

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## EDITORSHIPS

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

**GUEST EDITORSHIPS**

**Guest Editor**

BECKY LOO, ANTONIO PÁEZ, LONG CHENG, JIAOE WANG

- Elderly's Mobility and the Living Environment

*Journal of Transport Geography*  
Virtual Special Issue  
2022

**Guest Editor**

FRANK GOETZKE, REGINE GERIKE, ANTONIO PÁEZ, ELENN DUGUNDJI

- Social interactions in transportation: analyzing groups and spatial networks

*Transportation* 42 (5)  
2015

**Guest Editor**

DARREN M. SCOTT, ELENN DUGUNDJI, ANTONIO PÁEZ

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

*Journal of Transport Geography* 31  
2013

**Guest Editor**

ELENN 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**

ELENN 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**

ELENN DUGUNDJI, ANTONIO PÁEZ, THEO ARENTZE

- Social networks, choices, mobility, and travel

*Environment and Planning B* 35 (6)  
2008

**Guest Editor**

ANTONIO PÁEZ

- Spatial Analysis of Urban Systems

*Journal of Geographical Systems* 9  
(1)  
2007

**EDITORIAL BOARDS**

**Editorial Board Member**

COMPUTERS, ENVIRONMENT, AND URBAN SYSTEMS

January 2012-December 2017

**Editorial Board Member**

DECISION SUPPORT SYSTEMS

April 2014-March 2017

**Editorial Board Member**

ECONOMIC AND BUSINESS LETTERS

January 2014-present

**Editorial Board Member**

ENVIRONMENT AND PLANNING A

January 2010-December 2017

**Editorial Board Member**

GEOGRAPHICAL ANALYSIS

2018-present

**Editorial Board Member**

INGENIERÍA DE TRANSPORTE

2015-present

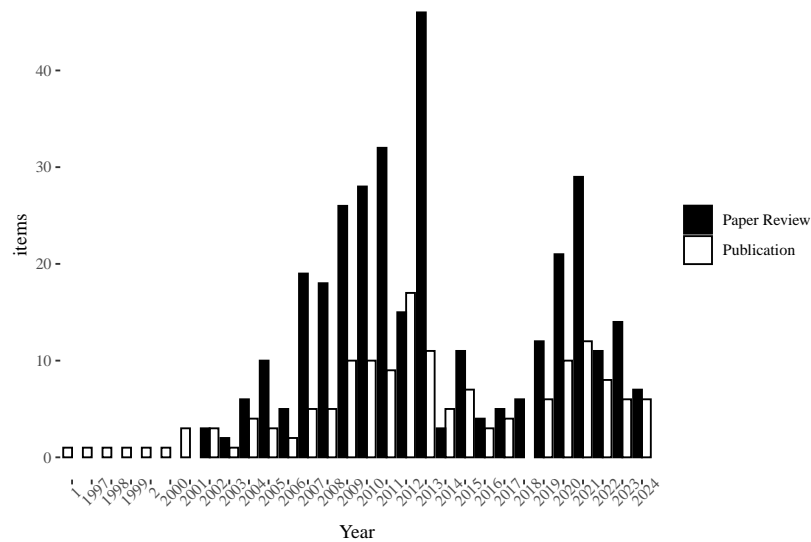


Figure 1: Reviews-to-publications by year

### Editorial Board Member

INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE

January 2019-present

### Editorial Board Member

JOURNAL OF TRANSPORT GEOGRAPHY

2018-present

### Editorial Board Member

OPEN ENVIRONMENTAL JOURNAL

January, 2008-May, 2012

### Editorial Board Member

OPEN GEOGRAPHY JOURNAL

January, 2008-May, 2012

### Editorial Board Member

OPEN URBAN STUDIES JOURNAL

January, 2008-May, 2012

### Editorial Board Member

PAPERS IN REGIONAL SCIENCE

January 2015-December 2020

### Editorial Board Member

TRANSPORTATION

January 2012-present

## Scholarly and Professional Activities

JOURNAL REFEREE

### 0.0.1 Number of Total Lifetime Reviews

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.

# Grant Reviews

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

# Areas of Interest

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

# Teaching at a Glance

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TOTAL NUMBER OF COURSES TAUGHT

Undergraduate: 55

Graduate: 18

## TOTAL NUMBER OF STUDENTS

Undergraduate: 2,307

Graduate: 85

## Teaching (Details)

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### UNDERGRADUATE TEACHING

#### Transportation Geography

TOTAL ENROLMENT: 80 STUDENTS

*Times offered: 2*

ENVSOCY 3LT3

#### Applied Spatial Statistics

TOTAL ENROLMENT: 113 STUDENTS

*Times offered: 3*

ENVSOCY 4GA3

#### Transport Policy

TOTAL ENROLMENT: 46 STUDENTS

*Times offered: 3*

ENVSOCY 4LP3

#### Locational Analysis

TOTAL ENROLMENT: 492 STUDENTS

*Times offered: 6*

GEOG 2HA3

#### Transportation and Economic Activity

TOTAL ENROLMENT: 415 STUDENTS

*Times offered: 4*

GEOG 2LI3

#### Transportation Geography

TOTAL ENROLMENT: 284 STUDENTS

*Times offered: 8*

GEOG 3LT3

#### Analysis of Transportation Systems

TOTAL ENROLMENT: 280 STUDENTS

*Times offered: 6*

GEOG 4D03

#### Applied Spatial Statistics

TOTAL ENROLMENT: 186 STUDENTS

*Times offered: 6*

GEOG 4GA3

#### Special Topics in GIS: Geodemographic Analysis

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

**Josh Arbess (McMaster University, Canada)**

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

2020  
Engineering and Society

**Samuel Greg Smilski (McMaster University, Canada)**

2020  
Engineering and Society

**Gabriela Tokarska (McMaster University, Canada)**

2013  
Engineering and Society

**Mike McKnight (McMaster University, Canada)**

2012  
Engineering and Society

**Alexander Eryuzlu (McMaster University, Canada)**

2009  
Engineering and Society

**Adam Howell (McMaster University, Canada)**

2008  
Engineering and Society

**Doug C. Sharpe (McMaster University, Canada)**

2006  
Engineering and Society

**Justin M. Potalivo (McMaster University, Canada)**

2005  
Engineering and Society

**Matt G. Sonnenberg (McMaster University, Canada)**

2005  
Engineering and Society

**Subaita Refaaf (McMaster University, Canada)**

2021  
Geography

**William Li (McMaster University, Canada)**

2019  
Geography

**Dylan Ward (McMaster University, Canada)**

2019  
Geography

<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> CO-SUPERVISED WITH PAVLOS KANAROGLOU	2005 Geography
<b>Nadhiyya Shabir (McMaster University, Canada)</b>	2021 Life Sciences
<b>Salvatore Vivona (McMaster University, Canada)</b>	2017 Physics
MASTER'S SUPERVISION	
<b>Mahdis Moghadasi (McMaster University, Canada)</b>	In Progress Geography
<b>Niloofer Nalae (McMaster University, Canada)</b>	2024 Geography
<b>Bruno Dias dos Santos (INPE, Brazil, Brazil)</b> CO-SUPERVISED WITH SILVANA AMARAL AND CAROLINA PINHO	2023 Geography
<b>John Merral (McMaster University, Canada)</b>	2021 Geography
<b>Elise Desjardins (McMaster University, Canada)</b>	2020 Public Health
<b>Sean Sears (McMaster University, Canada)</b>	2020 Geography
<b>Zoha Anjum (McMaster University, Canada)</b> CO-SUPERVISED WITH SARAH DICKSON AND CORINNE WALLACE	2019 Public Health
<b>Rodrigo Victoriano (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2018 Civil Engineering
<b>Alvaro E. Toledo (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2018 Civil Engineering
<b>Christine Fandrich (McMaster University, Canada)</b>	Withdrew from Program Geography
<b>Edivaldo C. Neves (Universidade Federal de Pernambuco, Brazil)</b> CO-SUPERVISED WITH TATIANE MENEZES	2013 Economy



<b>Mario Reyes (McMaster University, Canada)</b>	2013 Geography
<b>Sammara C. Soares (Universidade Federal de Pernambuco, Brazil)</b> CO-SUPERVISED WITH TATIANE MENEZES	2012 Economy
<b>Kristina Cimaroli (McMaster University, Canada)</b> CO-SUPERVISED WITH K. BRUCE NEWBOLD	2012 Geography
<b>Jarin Esita (McMaster University, Canada)</b>	2012 Geography
<b>Eduardo Barbosa (Universidade de Sao Paulo, Brazil)</b> CO-SUPERVISED WITH EDUARDO A. HADDAD	2011 Economy
<b>Cristian Bustos (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2011 Civil Engineering
<b>Md Moniruzzaram (McMaster University, Canada)</b>	2011 Geography
<b>Kate Whalen (McMaster University, Canada)</b>	2011 Geography
<b>Nicolas M. Cespedes (Universidad de Concepcion, Chile)</b> CO-SUPERVISED WITH JUAN A. CARRASCO	2011 Civil Engineering
<b>Adam Drackley (McMaster University, Canada)</b> CO-SUPERVISED WITH K. BRUCE NEWBOLD	2010 Geography
<b>P.J. Saberton (McMaster University, Canada)</b> CO-SUPERVISED WITH K. BRUCE NEWBOLD	2010 Geography
<b>Ana Maria Bonomi Barufi (Universidade de Sao Paulo, Brazil)</b> CO-SUPERVISED WITH EDUARDO A. HADDAD	2010 Economy
<b>Ivy Dam (McMaster University, Canada)</b> CO-SUPERVISED WITH DARREN M. SCOTT	2009 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>	2019
CO-SUPERVISED WITH PEDRO AMARAL	<i>Economy</i>
<b>Faten Almjlad (McMaster University, Canada)</b>	<i>Withdrew from Program</i>
	<i>Geography</i>
<b>Li He (McMaster University, Canada)</b>	2016
	<i>Geography</i>
<b>Md Moniruzzaram (McMaster University, Canada)</b>	2014
	<i>Geography</i>
<b>Mario Reyes (McMaster University, Canada)</b>	<i>Withdrew from Program</i>
	<i>Geography</i>
<b>Daniel Del Bianco (McMaster University, Canada)</b>	<i>Withdrew from Program</i>
	<i>Geography</i>
<b>Lucia Mejia (Universidad Politecnica de Madrid, Spain)</b>	2011
CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	<i>Civil Engineering</i>
<b>Steven Farber (McMaster University, Canada)</b>	2010
	<i>Geography</i>
<b>Ruben Mercado (McMaster University, Canada)</b>	2007
	<i>Geography</i>

## 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

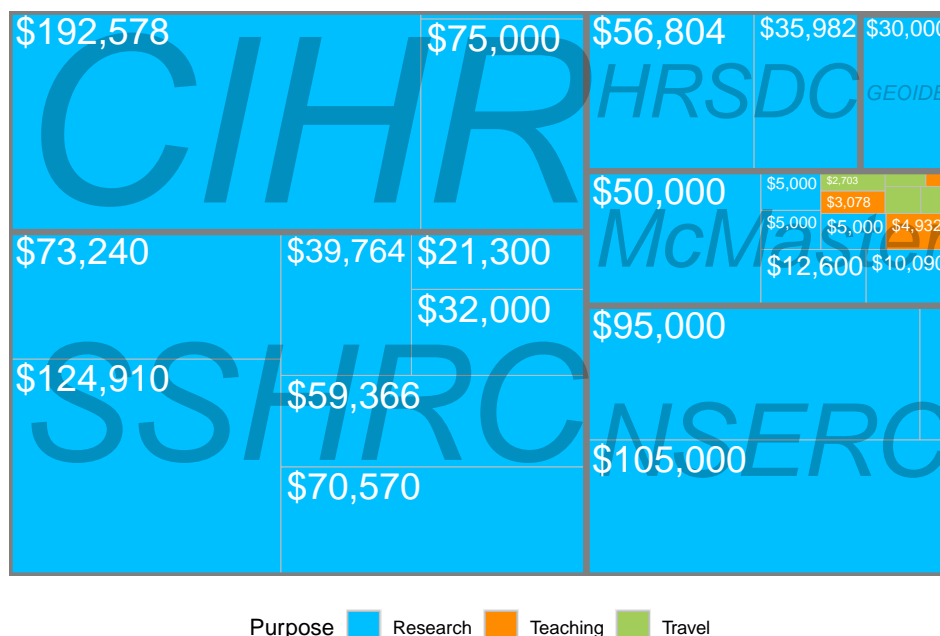


Figure 2: My share of research funds by source

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

### 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.

### 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

<b>Arts and Research Board McMaster University, Canada</b> CONFERENCE GRANT • PI: Antonio Paez; team size: 1 researchers	CAD 1,700 2024
<b>McPherson Institute-McMaster University Libraries, Canada</b> PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS • PI: Antonio Paez; team size: 2 researchers	CAD 4,932 2021-2022
<b>Social Sciences and Humanities Research Council, Canada</b> MOBILIZING JUSTICE • PI: Steven Farber; team size: 10 researchers	CAD 2,498,195 2020-2025
<b>Social Sciences and Humanities Research Council, Canada</b> CHILDREN’S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME) • PI: E. Owen D. Waygood; team size: 4 researchers	CAD 296,830 2020-2025
<b>McMaster Interdisciplinary Research Fund, Canada</b> EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA • PI: Antonio Paez; team size: 4 researchers	CAD 42,000 2018-2019
<b>Social Sciences and Humanities Research Council, Canada</b> DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON • PI: Christopher Higgins; team size: 2 researchers	CAD 49,705 2017-2018
<b>Labrage Optimal Aging Initiative, Canada</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 • PI: Amanda Grenier; team size: 4 researchers	CAD 50,449 2014-2015
<b>McMaster University, Canada</b> INCENTIVE FUNDING • PI: Antonio Paez; team size: 1 researchers	CAD 5,000 2014
<b>Natural Sciences and Engineering Research Council, Canada</b> CRITICAL INFRASTRUCTURE: EVALUATING THE EFFECT OF NETWORK TOPOLOGY AND AUTOCORRELATION • PI: Antonio Paez; team size: 1 researchers	CAD 95,000 2011-2016
<b>Canadian Institutes of Health Research, Canada</b> ENHANCING THE MOBILITY AND HEALTH OF OLDER ADULTS • PI: Heather McKay; team size: 6 researchers	CAD 25,000 2011
<b>Canadian Institutes of Health Research, Canada</b> WALK THE TALK: TRANSFORMING THE BUILT ENVIRONMENT TO ENHANCE MOBILITY IN SENIORS • PI: Heather McKay; team size: 10 researchers	CAD 1,500,000 2010-2016
<b>Canadian Institutes of Health Research, Canada</b> CANADA’S BLOOD FUTURES: GEOGRAPHY, DEMOGRAPHIC CHANGE, AND THE SUPPLY AND DEMAND OF BLOOD IN CANADA • PI: Antonio Paez; team size: 4 researchers	CAD 240,723 2010-2013
<b>Social Sciences and Humanities Research Council, Canada</b> PARKS, SHOPS, AND FRIENDS: HOW DO THE BUILT AND SOCIAL ENVIRONMENTS INFLUENCE TRAVEL BEHAVIOR? • PI: Antonio Paez; team size: 2 researchers	CAD 91,550 2010-2012
<b>Arts and Research Board McMaster University, Canada</b> CONFERENCE GRANT • PI: Antonio Paez; team size: 1 researchers	CAD 1,326 2010
<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 • PI: Antonio Paez; team size: 3 researchers	CAD 35,982 2009

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

## Research Impact

Fig. 3 gives a summary of my research impact according to Google Scholar. As of Jun, 2024, my research has been cited a total of 12,099 times, and my h-index is 57. The i10-index indicates that 130, or approximately 79% 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

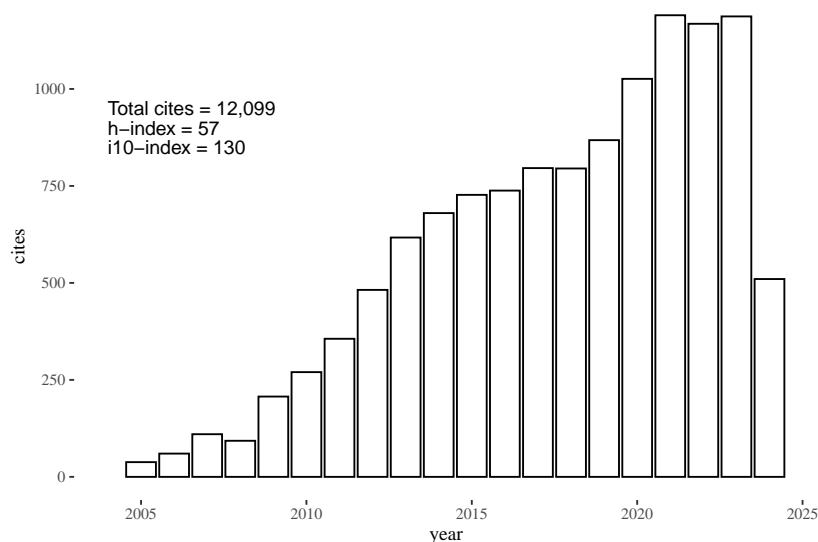


Figure 3: Citations per year (data from Google Scholar)

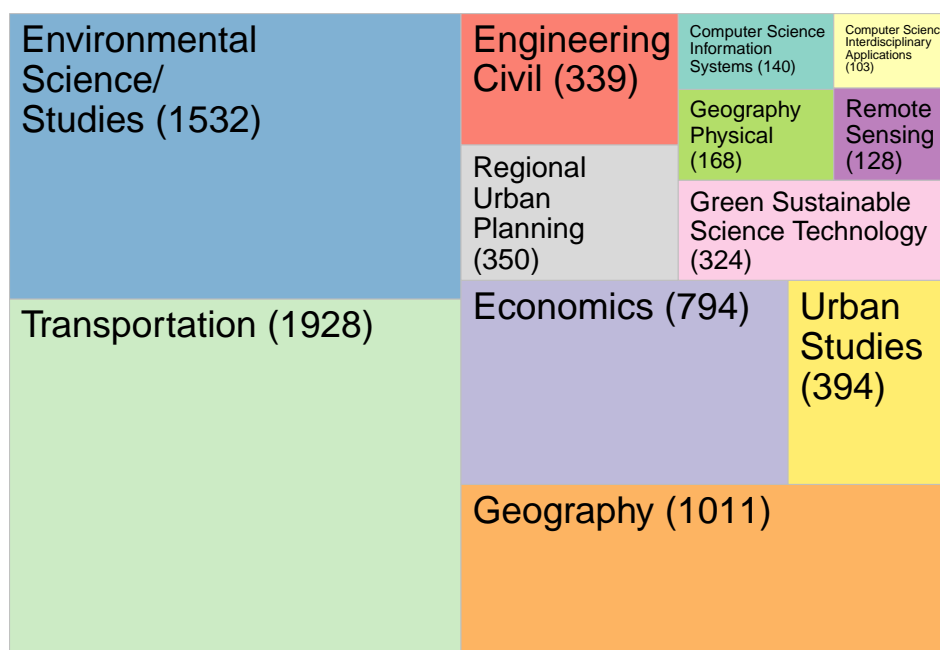


Figure 4: Citations by field (data from Web of Science)

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 7,321 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

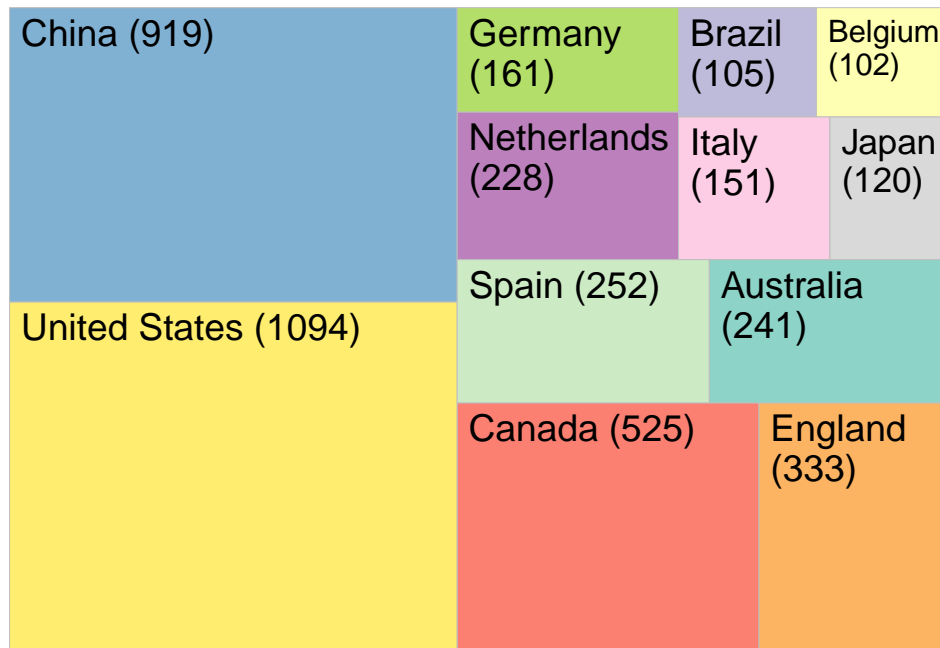


Figure 5: Citations by country (data from Web of Science)



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

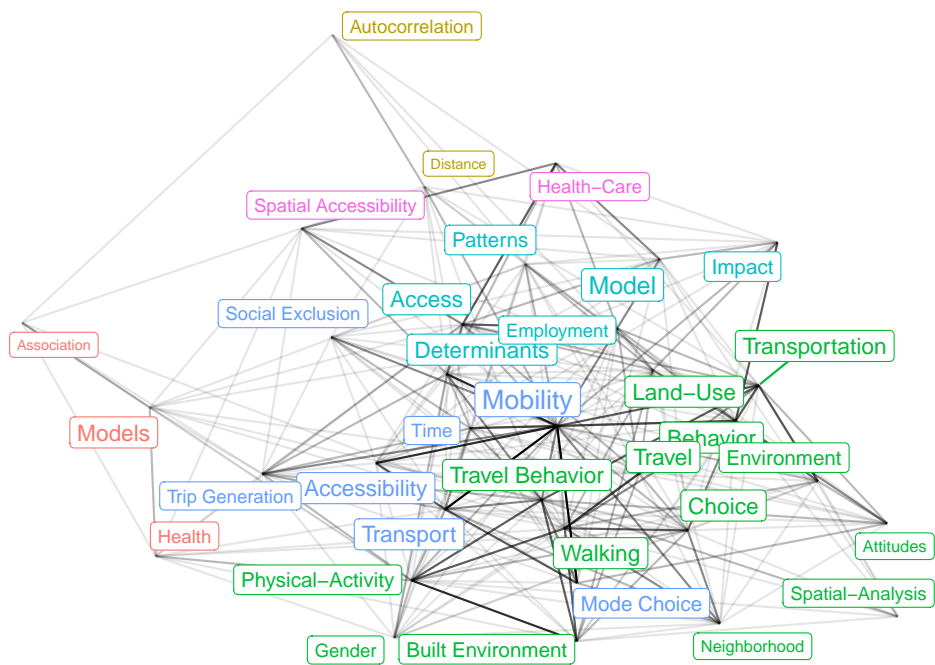


Figure 7: Key topics in my peer-reviewed publications

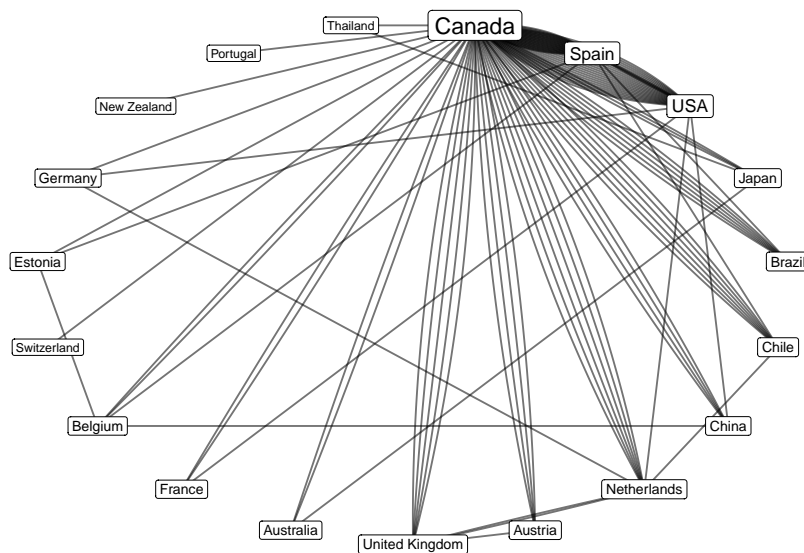


Figure 8: International collaborations

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	154	3.34	7	12 (8%)	34 (22%)	61 (40%)	31 (20%)	16 (10%)



# Lifetime Publications

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## BOOKS

1. Páez, A., & Boisjoly, G. (2023). *Discrete choice analysis with R*. Springer Cham. <https://doi.org/10.1007/978-3-031-20719-8>

## EDITED BOOKS

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

## BOOK CHAPTERS

1. Barbosa, E., Féres, J., Haddad, E., & Páez, A. (2020). Climate change and land use pattern in brazil. In J.-C. Thill (Ed.), *Innovations in urban and regional systems: Contributions from GIS&t, spatial analysis and location modeling* (pp. 443–472). Springer International Publishing. [https://doi.org/10.1007/978-3-030-43694-0\\_20](https://doi.org/10.1007/978-3-030-43694-0_20)
2. Franklin, R. S., Leeuwen, E. S. van, & Páez, A. (2018). *Transportation where people leave: An introduction* (Vol. 2, pp. 1–14). [www.scopus.com](http://www.scopus.com)
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4. Páez, A. (2016). *Access and social complexity: Identifying and managing access requirements across social groups and across the world* (pp. 190–217). [www.scopus.com](http://www.scopus.com)
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6. Mur, J., & Páez, A. (2012). *Local weighting matrices or the necessity of flexibility* (Vol. 75, pp. 193–212). [www.scopus.com](http://www.scopus.com)
7. Páez, A., Le Gallo, J., Buliung, R. N., & Dall'Erba, S. (2010). *Progress in spatial analysis: introduction* (Vol. 63, pp. 1–13). [www.scopus.com](http://www.scopus.com)
8. Farber, S., Páez, A., & Volz, E. (2010). *Topology, dependency tests and estimation bias in network autoregressive models* (Vol. 63, pp. 29–57). [www.scopus.com](http://www.scopus.com)
9. Páez, A., & Wheeler, D. C. (2009). *Geographically weighted regression* (pp. 407–414). [www.scopus.com](http://www.scopus.com)

## PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)

1. 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.trra.2024.103953>
2. Soukhov, A., Tarriño-Ortiz, J., Soria-Lara, J. A., & Páez, A. (2024). Multimodal spatial availability: A singly-constrained measure of accessibility considering multiple modes. *PLOS ONE*, 19(2), e0299077. <https://doi.org/10.1371/journal.pone.0299077>
3. Rey-Blanco, D., Arbués, P., López, F. A., & Páez, A. (2024). Using machine learning to identify spatial market segments. A reproducible study of major Spanish markets. *Environment and Planning B: Urban Analytics and City Science*, 51(1), 89–108. <https://doi.org/10.1177/23998083231166952>
4. Merrill, J., Higgins, C. D., & Páez, A. (2024). What's a school worth to a neighborhood? A spatial hedonic analysis of property prices in the context of accommodation reviews in ontario. *Geographical Analysis*, 56(2), 217–243. <https://doi.org/https://doi.org/10.1111/gean.12377>
5. Jamal, S., & Páez, A. (2024). Exploring modal shift in non-active sustainable transport modes during the first wave of COVID-19 in bangladesh. *Multimodal Transportation*, 3(2), 100130. <https://doi.org/https://doi.org/10.1016/j.multra.2024.100130>
6. Jamal, S., & Páez, A. (2024). Socio-economic and demographic differences in the impact of COVID-19 on personal travel in the Global South. *Transport Reviews*, 44(2), 272–298. <https://doi.org/10.1080/01441647.2023.2295377>
7. Soukhov, A., Páez, A., Higgins, C. D., & Mohamed, M. (2023). Introducing spatial availability, a singly-constrained measure of competitive accessibility [Journal Article]. *PLOS ONE*, 18(1), e0278468. <https://doi.org/10.1371/journal.pone.0278468>
8. Soukhov, A., & Páez, A. (2023). TTS2016R: A data set to study population and employment patterns from the 2016 Transportation Tomorrow Survey in the Greater Golden Horseshoe Area, Ontario, Canada [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*, 50(2), 556–563. <https://doi.org/10.1177/23998083221146781>

9. 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>
10. Santos, B. D. dos, Pinho, C. M. D. de, Páez, A., & Amaral, S. (2023). Identifying urban and socio-environmental patterns of Brazilian Amazonian cities by remote sensing and machine learning [Journal Article]. *Remote Sensing*, 15(12), 3102. <https://www.mdpi.com/2072-4292/15/12/3102>
11. 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>
12. Brum-Bastos, V., & Páez, A. (2023). Hägerstrand meets big data: Time-geography in the age of mobility analytics [Journal Article]. *Journal of Geographical Systems*, 25(3), 327–336. <https://doi.org/10.1007/s10109-023-00421-0>
13. Whalen, K., & Páez, A. (2022). Reliability of the reflective learning framework for assessing higher-order thinking in geography and sustainability courses [Journal Article]. *Journal of Geography*, 121(1), 18–33. <https://doi.org/10.1080/00221341.2021.2003848>
14. Sears, S., Moataz, M., Ferguson, M., Razavi, S., & Páez, A. (2022). Perceived barriers to the movement of goods in Canada: A grounded theory investigation [Journal Article]. *Transportation Research Part A: Policy and Practice*, 162, 27–45. <https://doi.org/10.1016/j.tra.2022.05.011>
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16. Desjardins, E., Tavakoli, Z., Páez, A., & Waygood, E. O. (2022). Children's access to non-school destinations by active or independent travel: A scoping review. In *International Journal of Environmental Research and Public Health* (Electronic Article No. 19; Vol. 19). <https://doi.org/10.3390/ijerph191912345>
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150. Páez, A., Miyamoto, K., Yamada, E., & Kitazume, K. (2001). Transportation network and accessibility analysis in Eastern Asia based on a geographical information system. *Journal of the Eastern Asia Society for Transportation Studies*, 4(6), 221–225.
151. Páez, A., Uchida, T., & Miyamoto, K. (2000). Spatial economic externalities and coordinated land use-transportation planning [Conference Proceedings]. *9th International Conference of the Cooperation for the Continuing Development of Urban and Suburban Transportation*, 649–655.
152. Páez, A., Uchida, T., & Miyamoto, K. (1999). A spatial analysis of external economies and its association with transportation infrastructure: The case of Sendai City. *Journal of the Eastern Asia Society for Transportation Studies*, 3(4), 149–164.
153. Páez, A., Uchida, T., & Miyamoto, K. (1998). Urbanization and the urban heat island effect from a spatial descriptive approach. *Papers on City Planning*, 33, 67–72.
154. Miyamoto, K., Sugiki, N., Uchida, T., & Páez, A. (1997). A GIS based land-use model dealing with building types by small unit of land in a metropolitan area. *Journal of the Eastern Asia Society for Transportation Studies*, 2, 1943–1959.

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

1. Jamal, S., & Páez, A. (2023). Well-being implications of immobility during COVID-19: Evidence from a student sample in Bangladesh using the satisfaction with life scale [Journal Article]. *Transportation*. <https://doi.org/10.1007/s11116-023-10395-z>



2. Rey-Blanco, D., Arbues, P., Lopez, F., & Paez, A. A geo-referenced micro-data set of real estate listings for Spain's three largest cities. *Environment and Planning B: Urban Analytics and City Science*, 0(0), 23998083241242844. <https://doi.org/10.1177/23998083241242844>

## PEER-REVIEWED JOURNAL ARTICLES (SUBMITTED FOR PUBLICATION)

1. Tavakoli, Z., Abdollahi, S., Waygood, O., Páez, A., & Geneviève, B. (2024). Developing a framework for children's accessibility considering traffic danger: A case study in Montreal, Canada [Journal Article]. *Transportation Research Part D: Transport and Environment*.
2. Tavakoli, Z., Abdollahi, S., Waygood, O., & Páez, A. (2024). "Where Do Children Go?" Exploring Children's Daily Destinations with Children, Parents, And Experts [Journal Article]. *Urban Planning*.
3. Soukhov, A., Higgins, C. D., Mohamed, M., & Páez, A. (2024). School closures and consolidations: The active travel and emission implications of reduced accessibility [Journal Article]. *Spatial Networks and Economics*.
4. Ruiz Marín, M., López, F. A., Páez, A., Debarsy, N., & Ertur, C. (2024). A test for global and local homogeneity of categorical data based on spatial runs [Journal Article]. *Geographical Analysis*.
5. Elizondo-Candanedo, R., Arranz-López, A., Soria-Lara, J., & Páez, A. (2024). When e-activities meet spatial accessibility: A theoretical framework and empirical space-time thresholds for simulated spatial settings [Journal Article]. *Journal of Transport 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

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### 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

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LIFETIME TALKS, SEMINARS, WORKSHOPS, PANELS

My lifetime number of talks is 123.

DETAILS

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

UNIVERSIDADE FEDERAL DO ABC

- Invited Talk, Speaker

Sao Paulo, Australia

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 REPRODUCIBILI TEA

- Invited Talk, Speaker

Hamilton, Canada

October 17-2023

<b>Introducing spatial availability, a singly-constrained accessibility measure</b> POLYTECHIQUE MONTRÉAL • Workshop, Instructor	<i>Montréal, Canada</i> <i>October 7-2023</i>
<b>Ciencia Abierta para Todos (Open Science for All)</b> UNIVERSIDAD DE MURCIA • VIII Jornadas Doctorales, Keynote Speaker	<i>Murcia, Spain</i> <i>June 27-2023</i>
<b>Reality or wishful thinking: Network attributes of 15-minute neighbourhoods</b> UNIVERSIDADE DE COIMBRA • NECTAR Joint Workshop Clusters 6 and 7 on Urban and Transport Planning for Sustainable Urban Living, Presenter	<i>Coimbra, Portugal</i> <i>June 22-2023</i>
<b>Profiling the 15-min pedshed from the perspective of network attributes</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> <i>June 14-2023</i>
<b>How is active school travel (AST) framed in Ontario</b> NEW YORK UNIVERSITY, CENTER FOR URBAN SCIENCE AND PROGRESS • Invited Seminar, Presenter	<i>New York City</i> <i>April 7-2023</i>
<b>Spatial availability: a way to measure accessibility to competitive opportunities</b> NORTHERN ILLINOIS UNIVERSITY • Invited Seminar, Presenter	<i>DeKalb, Illinois, USA</i> <i>February 17-2023</i>
<b>Reproducible Research Workflow</b> RESEARCH DATA MANAGEMENT COMMUNITY OF PRACTICE - MCMASTER UNIVERSITY • Invited Talk, Speaker	<i>Hamilton, Canada</i> <i>January 26-2023</i>
<b>An introduction to exploratory data analysis in R</b> ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA IN RIMINI • Invited workshop, Instructor	<i>Rimini, Italy</i> <i>November 14, 17, and 18-2022</i>
<b>An introduction to exploratory data analysis in R</b> GRAN SASSO SCIENCE INSTITUTE • Invited workshop, Instructor	<i>L'Aquila, Italy</i> <i>June 10, 20, 24, 27 and 29-2022</i>
<b>Framing Active School Travel in Ontario, Canada</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> <i>May 19-2022</i>
<b>Mobilizing Justice: Developing Data-Driven Equity Standards</b> NEWCASTLE UNIVERSITY • Invited Seminar, Presenter	<i>Newcastle-upon-Tyne, UK</i> <i>May 4-2022</i>
<b>Spatial Data and Analytics</b> ALAN TURING INSTITUTE • SAD Interview, Interviewee	<i>Newcastle-upon-Tyne, UK</i> <i>May 3-2022</i>
<b>Developing a companion package to support teaching spatial statistics with Introduction to Spatial Data Analysis and Statistics</b> MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY • Lightning Round: Teaching in the Open at McMaster, Panelist	<i>Hamilton, Canada</i> <i>March 7-2022</i>
<b>Introducing Spatial Availability: A Singly Constrained Measure of Accessibility</b> INSTITUTO DE PESQUISA ECONÔMICA APLICADA • Invited Talk, Speaker	<i>Brasília, Brazil</i> <i>December 10-2021</i>
<b>Investigación Reproducible</b> DOCTORADO EN ECONOMÍA INTERUNIVERSITARIO • VI Jornadas de Doctorado y Seminarios Novel, Keynote Speaker	<i>Cartagena, Spain</i> <i>November 29-2021</i>
<b>Creation of a Living Textbook for Teaching Spatial Statistics</b> MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY • Lightning Round: Teaching in the Open at McMaster, Panelist	<i>Hamilton, Canada</i> <i>October 28-2021</i>
<b>Examining spatial equity of bike share: A balanced floating catchment area approach</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> <i>May 25-2021</i>

## **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*

<b>Spatial Clustering of Traveller Attitudinal Profiles</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> <i>May 12-2017</i>
<b>Mode Use Propensity by Attitudinal and Spatial Cluster: An Exploratory Analysis</b> ECOLE SUPERIEURE D'AMENAGEMENT DU TERRITOIRE ET DE DEVELOPPEMENT REGIONAL, LAVAL UNIVERSITY • Invited Talk, Speaker	<i>Quebec, Canada</i> <i>April 19-2017</i>
<b>Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering Time-Use Patterns</b> CENTRO DE DESARROLLO SUSTENTABLE UNIVERSIDAD DE CONCEPCIÓN • Invited Talk, Speaker	<i>Concepción, Chile</i> <i>March 6-2017</i>
<b>Indicators for inequality analysis in activity/travel behavior</b> TRANSPORT EQUITY ANALYSIS COST ACTION • Invited Seminar, Presenter	<i>Thessaloniki, Greece</i> <i>May 6-2015</i>
<b>Accessible Accessibility Research Challenges</b> ASSOCIATION OF AMERICAN GEOGRAPHERS • Fleming Lecture in Transport Geography (Prof. Bert van Wee), Discussant	<i>Chicago, USA</i> <i>April 23-2015</i>
<b>Transportation and Spatial Analysis</b> DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA SANTA BARBARA • Invited Talk, Speaker	<i>Santa Barbara, USA</i> <i>January 29-2015</i>
<b>In the Beginning There was Transportation (There was also GIS)</b> SCHOOL OF GEOGRAPHY, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF BIRMINGHAM • Invited Seminar, Presenter	<i>Birmingham, UK</i> <i>January 12-2015</i>
<b>Selected topics in spatial analysis</b> THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL • Invited workshop, Instructor	<i>Perth, Australia</i> <i>December 12 to 17-2014</i>
<b>Mobility for sustainable communities</b> THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> <i>December 15-2014</i>
<b>Mobility-based geodemographics</b> THE UNIVERSITY OF WESTERN AUSTRALIA • Invited Talk, Speaker	<i>Perth, Australia</i> <i>December 10-2014</i>
<b>Mapping traveler attitudes: Does space matter?</b> DEPARTMENT OF SPATIAL SCIENCES, CURTIN UNIVERSITY • Invited Talk, Speaker	<i>Perth, Australia</i> <i>December 8-2014</i>
<b>An investigation of the attributes of walkable environments from the perspective of seniors in Montréal</b> 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> <i>June 11-2014</i>
<b>Using spatial analysis to support site selection for field work: The case of walkability audits</b> SCHOOL OF ECONOMIC, POLITICAL AND POLICY SCIENCES, UNIVERSITY OF TEXAS AT DALLAS • Invited Talk, Speaker	<i>Dallas, USA</i> <i>May 26-2014</i>
<b>An investigation of the attributes of walkable environments from the perspective of seniors in Montréal</b> POLYTECHIQUE MONTRÉAL • Colloque Annuel de la Chaire Mobilité, Presenter	<i>Montréal, Canada</i> <i>May 13-2014</i>
<b>Mobility and the potential for social contact among children in Montréal</b> UNIVERSITY OF UTRECHT • Living in Enclave Cities: Towards Mobility-Based Perspectives on Urban Segregation, Speaker	<i>Utrecht, The Netherlands</i> <i>March 21-2014</i>

## **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

## **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

*Recife, Brazil*

*August 15-2011*

**Modeling spatial heterogeneity in multivariate regression analysis**

UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Graduate Seminar, Instructor

*Recife, Brazil*

*August 15 to 16-2011*

**Applied Spatial Modeling**

THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL

- Seminar, Instructor

*Perth, Australia*

*July 11 to 13-2011*

**Rapid Transit: Does it Drive Local Economic Development?**

3RD ANNUAL TRANSLOG CONFERENCE

- Panel Session, Panelist

*Hamilton, Canada*

*June 15-2011*

**Accessibility measures and the contribution of spatial models**

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

*Montréal, Canada*

*May 10-2011*

**Accesibilidad y actividad comercial: Teoría y métodos**

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID

- Invited Talk, Speaker

*Madrid, Spain*

*April 8-2011*

**Movilidad en la tercera edad: Conceptos y evidencia**

DEPARTMENT OF TRANSPORTATION, UNIVERSIDAD POLITÉCNICA DE MADRID

- Transport Sustainability Course, Instructor

*Madrid, Spain*

*April 7-2011*

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

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

- Invited Talk, Speaker

*Montréal, Canada*

*February 25-2011*

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

SCHOOL OF DESIGN, UNIVERSITY OF PENNSYLVANIA

- Invited Talk, Speaker

*Philadelphia, USA*

*February 15-2011*

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

UNIVERSITY OF MANCHESTER

- Workshop Social Network Analysis in Transport, Presenter

*Manchester, UK*

*January 11-2011*

**Using the Q statistic to explore segregation patterns of ethnic groups**

DEPT. OF ECONOMICS, UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Invited Talk, Speaker

*Recife, Brazil*

*August 26-2010*

**Spatial pricing and the analysis of point patterns**

UNIVERSIDADE FEDERAL DE PERNAMBUCO

- Graduate Seminar, Instructor

*Recife, Brazil*

*August 24 to 25-2010*

**Selected topics in spatial analysis**

UNIVERSIDADE DE SÃO PAULO

- Graduate Seminar, Instructor

*São Paulo, Brazil*

*August 12 and 27-2010*



<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	Vancouver, Canada 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	Edinburgh, UK 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	London, UK March 10-2010
<b>Mobility and social exclusion: Results of recent research in Canada</b> TRANSPORT STUDIES UNIT, UNIVERSITY OF OXFORD • Invited Talk, Speaker	Oxford, UK March 4-2010
<b>Social influence and the decision to telework</b> UNIVERSITY OF NOTTINGHAM • Workshop Social Network Analysis in Transport, Speaker	Nottingham, UK March 2-2010
<b>Demographic aging and sustainable transportation</b> DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL • Invited Talk, Speaker	Montréal, Canada February 18-2010
<b>Positive and Normative Aspects of Accessibility Measurements</b> INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE-URBANISATION CULTURE SOCIÉTÉ • Invited Talk, Speaker	Montréal, Canada February 16-2010
<b>Social Networks and Information and Communication Technology: Implications for Activities in Real and Virtual Spaces</b> 89TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD • Panel Session, Panelist	Washington, D.C., USA January 13-2010
<b>Selected topics in spatial analysis</b> UNIVERSIDADE DE SÃO PAULO • Graduate Seminar, Instructor	São Paulo, Brazil August 18-2009
<b>Networks and behavior</b> INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS • Invited Talk, Speaker	São José dos Campos, Brazil August 14-2009
<b>Introducing spatial analysis in transportation research</b> DEPT. OF TRANSPORT ENGINEERING, UNIVERSIDADE SÃO PAULO-SAO CÂRLOS • Invited Talk, Speaker	Sao Cãrlos, Brazil August 6-2009
<b>Elección de modos de transporte y planificación de infraestructuras</b> TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID • Graduate Seminar, Instructor	Madrid, Spain July 15-2009
<b>Publishing in a spatial analysis journal</b> ANNUAL MEETING OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS • Panel Session, Panelist	Las Vegas, USA March 22-2009
<b>Análisis espacial y sistemas de transporte, matrimonio de conveniencia o amor a segunda vista?</b> DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCIÓN • Invited Talk, Speaker	Concepción, Chile March 12-2009
<b>Uso de tiempo y exclusión social en Canadá: Una investigación de actividades comerciales y de servicios desde la perspectiva de grupos vulnerables</b> DEPT. OF OF CIVIL ENGINEERING, UNIVERSIDAD DE CONCEPCIÓN • Invited Talk, Speaker	Concepción, Chile March 9-2009
<b>Mobility and social exclusion in Canadian communities: An empirical investigation of opportunity access and deprivation from the perspective of vulnerable groups</b> 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

**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, Discus-sant

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**

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**Steering Committee**

MEMBER

Modeling Geographical Systems  
Commission (International  
Geographical Union)  
2020-present

**Benjamin H. Stevens Graduate Fellowship**

CHAIR

North American Regional Science  
Council  
2013

**International Advisory Committee**

MEMBER

Chaire de recherche industrielle  
MOBILITÉ (Polytechnique  
Montreal)  
2011-present

**Standing Committee on Social and Economic Factors of Transportation**

MEMBER

Transportation Research Board  
2011-2016

**Transport Geography Specialty Group**

BOARD MEMBER

Association of American  
Geographers  
2010-2012

**Benjamin H. Stevens Graduate Fellowship**

MEMBER

North American Regional Science  
Council  
2009-2012

**International Steering Committee, International Workshop Frontiers in Transportation**

MEMBER

University of Amsterdam  
2005

**Dissertation Contest**

COORDINATOR

Regional Science Association  
International  
2004-2007

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

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**AI Expert Panel: Teaching and Learning**

MEMBER

McMaster University  
May 2024-June 2024

## **2023 CPM Committee**

MEMBER

## **Faculty of Science Mentorship Program**

MENTOR

## **2022 NSERC CGM-Master Ranking Committee**

MEMBER

## **2021 CPM Committee**

MEMBER

## **2019 CPM Committee**

MEMBER

## **Graduate Committee**

MEMBER

## **2018 CPM Committee**

MEMBER

## **Search Committee Geology Hire**

CHAIR

## **Search Committee Teaching Stream Hire**

CHAIR

## **Teaching Workload Committee**

MEMBER

## **University Librarian Search Committee**

MEMBER

## **Space Committee**

MEMBER

## **Tenure and Promotion Committee**

MEMBER

## **High School and Community Outreach, Publicity Committee**

MEMBER

## **Building safety committee**

MEMBER

## **Space Committee**

MEMBER

## **Publicity Committee**

MEMBER

*School of Earth, Environment and  
Society, McMaster University  
February 2024-March 2024*

*Faculty of Science, McMaster  
University  
September 2023-April 2024*

*Faculty of Science, McMaster  
University  
September 2021-March 2022*

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

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

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

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

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

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

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

*McMaster University  
January 2013-July 2013*

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

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

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

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

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

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

**Search Committee Geography Hire**

MEMBER

**Graduate Committee**

MEMBER

**Search Committee Geography Hire**

MEMBER

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

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

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