

# Antonio Paez

## PROFESSOR

*School of Earth, Environment and Society  
McMaster University*

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## About me

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- I trained in civil engineering before being adopted into geography.
- My areas of interest include spatial analysis, spatial statistics, transportation, travel behavior, cities.
- Also, too, mathematics, computer languages, science fiction, poetry, and memes.
- I have been known to look professorial on occasion.
- At this rate my only hope of being recognized is as the most promising oldest researcher in my discipline.

## Education

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### 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

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

## Employment History

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### ACADEMIC

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

PROFESSOR *Hamilton, Canada*

*July 2014-present*

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

ASSOCIATE PROFESSOR *Hamilton, Canada*

*July 2007-June 2014*

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

ASSISTANT PROFESSOR *Hamilton, Canada*

*July 2002-June 2007*

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

RESEARCH FELLOW-LECTURER *Sendai, Japan*

*October 2000-March 2002*

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

INSTRUCTOR-TOPOGRAPHICAL SURVEY LABORATORY *Monterrey, Mexico*

*January 1993-December 1993*

### INDUSTRY

Surveyor and construction site supervisor (August 1993 - March 1995) Topographical survey projects in Nuevo Le<sup>3</sup>n, Mexico, sponsored by various Municipal Public Works Departments (Monterrey, Guadalupe, Santa Catarina), and by Mercedes-Benz. These projects involved in-field data collection and computer aided design. Construction site supervision.

# Editorial Activities

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## Editor-in-Chief

JOURNAL OF GEOGRAPHICAL SYSTEMS

January 2008-present

## Associate Editor

PAPERS IN REGIONAL SCIENCE

November 2016-August 2019

## 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 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

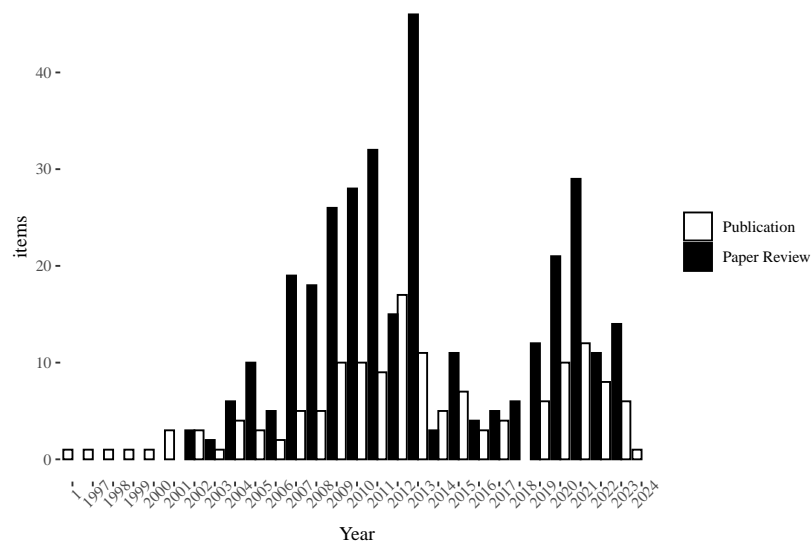


Figure 1: Reviews-to-publications by year

## Editorial Board Member

GEOGRAPHICAL ANALYSIS

2018-present

## Editorial Board Member

INGENIERÍA DE TRANSPORTE

2015-present

## Editorial Board Member

INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE

January 2019-present

## Editorial Board Member

JOURNAL OF TRANSPORT GEOGRAPHY

2018-present

## Editorial Board Member

OPEN ENVIRONMENTAL JOURNAL

January, 2008-May, 2012

## Editorial Board Member

OPEN GEOGRAPHY JOURNAL

January, 2008-May, 2012

## Editorial Board Member

OPEN URBAN STUDIES JOURNAL

January, 2008-May, 2012

## Editorial Board Member

PAPERS IN REGIONAL SCIENCE

January 2015-December 2020

## Editorial Board Member

TRANSPORTATION

January 2012-present

# Scholarly and Professional Activities

## JOURNAL REFEREE

### 0.0.1 Number of Total Lifetime Reviews

326

### 0.0.2 Number of Reviews in 2024

0

### 0.0.3 Reviews-to-Publications per Year

Fig. 1 is a summary of journal reviews-to-publications per year showing contributions to peer-review relative to demands on peer-review.

#### 0.0.4 Reviews per journal

|  |    |
|--|----|
| AGEING AND SOCIETY   | 2  |
| ANNALS OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS              | 4  |
| APPLIED GEOGRAPHY  | 2  |
| APPLIED SPATIAL ANALYSIS AND POLICY                            | 4  |
| AUTOMOTIVES  | 1  |
| CANADIAN JOURNAL OF REGIONAL SCIENCE                           | 1  |
| CARTOGRAPHY AND GEOGRAPHIC INFORMATION SCIENCE                 | 1  |
| CASE STUDIES IN TRANSPORT POLICY                               | 1  |
| COMPUTATIONAL AND MATHEMATICAL ORGANIZATION THEORY             | 1  |
| COMPUTERS AND GEOSCIENCES                                      | 1  |
| COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS                       | 14 |
| DECISION SUPPORT SYSTEMS                                       | 1  |
| ECOLOGICAL APPLICATIONS  | 1  |
| ECONOMIA APPLICADA   | 1  |
| ECONOMIC MODELLING   | 1  |
| ENVIRONMENT AND PLANNING A                                     | 15 |
| ENVIRONMENT AND PLANNING B                                     | 7  |
| ENVIRONMENTAL MODELLING & ASSESSMENT                           | 1  |
| FINDINGS   | 4  |
| GEO-SPATIAL INFORMATION SCIENCE                                | 1  |
| GEOGRAPHICAL ANALYSIS  | 25 |
| GEOJOURNAL   | 1  |
| HEALTH AND PLACE   | 7  |
| HEALTH POLICY AND TECHNOLOGY                                   | 1  |
| IEEE ACCESS  | 1  |
| INTERNATIONAL JOURNAL OF GEOGRAPHIC INFORMATION SCIENCE        | 7  |
| INTERNATIONAL JOURNAL OF HEALTH GEOGRAPHICS                    | 1  |
| INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION            | 3  |
| INTERNATIONAL JOURNAL OF TRANSPORT MANAGEMENT                  | 1  |
| INTERNATIONAL REGIONAL SCIENCE REVIEW                          | 2  |
| ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION                 | 1  |
| JOURNAL OF GEOGRAPHICAL SYSTEMS                                | 5  |
| JOURNAL OF REGIONAL SCIENCE                                    | 5  |
| JOURNAL OF THE EASTERN ASIA SOCIETY FOR TRANSPORTATION STUDIES | 6  |
| JOURNAL OF TRANSPORT AND HEALTH                                | 3  |
| JOURNAL OF TRANSPORT AND LAND USE                              | 3  |
| JOURNAL OF TRANSPORT GEOGRAPHY                                 | 28 |
| LAND USE POLICY  | 1  |
| LANDSCAPE AND URBAN PLANNING                                   | 4  |
| LANDSCAPE ECOLOGY  | 1  |
| LOWLAND TECHNOLOGY INTERNATIONAL JOURNAL                       | 2  |
| PAPERS IN REGIONAL SCIENCE                                     | 6  |
| PLOS ONE   | 2  |

|   |    |
|---|----|
| PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA | 2  |
| PROFESSIONAL GEOGRAPHER   | 2  |
| REGIONAL SCIENCE AND URBAN ECONOMICS  | 3  |
| REGIONAL STUDIES  | 2  |
| RESEARCH IN TRANSPORTATION ECONOMICS  | 1  |
| SOCIAL NETWORKS   | 2  |
| SOCIAL SCIENCE AND MEDICINE   | 5  |
| SOCIO-ECONOMIC PLANNING SCIENCES  | 1  |
| SPATIAL AND SPATIO-TEMPORAL EPIDEMIOLOGY  | 1  |
| SPATIAL ECONOMIC ANALYSIS   | 3  |
| STUDIES IN REGIONAL SCIENCE   | 1  |
| THE CANADIAN GEOGRAPHER   | 9  |
| THE OPEN URBAN STUDIES JOURNAL  | 2  |
| TRANSPORT POLICY  | 2  |
| TRANSPORT REVIEWS   | 2  |
| TRANSPORTATION  | 21 |
| TRANSPORTATION LETTERS  | 1  |
| TRANSPORTATION RESEARCH A: POLICY AND PRACTICE                                  | 17 |
| TRANSPORTATION RESEARCH B: METHODOLOGICAL                                       | 5  |
| TRANSPORTATION RESEARCH D: TRANSPORT AND ENVIRONMENT                            | 5  |
| TRANSPORTATION RESEARCH F: TRAFFIC PSYCHOLOGY                                   | 2  |
| TRANSPORTATION SCIENCE  | 1  |
| TRANSPORTMETRICA  | 1  |
| TRANSPORTMETRICA A: TRANSPORT SCIENCE   | 1  |
| TRB-TRR   | 46 |
| URBAN GEOGRAPHY   | 1  |
| URBAN STUDIES   | 7  |

## Grant Reviews

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|   |                             |
|---|-----------------------------|
| <b>European Research Council (European Union)</b>                             | 2022                        |
| PANEL MEMBER  | <i>Number of reviews: 9</i> |
| <b>Swiss National Science Foundation (Switzerland)</b>                        | 2015                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>US National Science Foundation (USA)</b>                                   | 2013                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>Fonds Wetenschappelijk Onderzoek - Vlaanderen (Canada)</b>                 | 2012                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>University of California Davis Sustainable Transportation Center (USA)</b> | 2012                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>US National Science Foundation (USA)</b>                                   | 2012                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>Canada Research Chair Programme (Canada)</b>                               | 2011                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |
| <b>Fonds de recherche du Quebec Nature et technologies (Canada)</b>           | 2011                        |
| EXTERNAL REVIEWER   | <i>Number of reviews: 1</i> |

|  |                              |
|--|------------------------------|
| <b>Natural Science and Engineering Research Council (Canada)</b><br>EXTERNAL REVIEWER              | 2011<br>Number of reviews: 1 |
| <b>Swiss National Science Foundation (Switzerland)</b><br>EXTERNAL REVIEWER                        | 2011<br>Number of reviews: 1 |
| <b>University of California Davis Sustainable Transportation Center (USA)</b><br>EXTERNAL REVIEWER | 2011<br>Number of reviews: 1 |
| <b>US National Science Foundation (USA)</b><br>EXTERNAL REVIEWER                                   | 2011<br>Number of reviews: 1 |
| <b>Hong Kong Health and Health Services Research Fund (Canada)</b><br>EXTERNAL REVIEWER            | 2010<br>Number of reviews: 1 |
| <b>US National Science Foundation (USA)</b><br>EXTERNAL REVIEWER                                   | 2009<br>Number of reviews: 2 |
| <b>US National Science Foundation (USA)</b><br>EXTERNAL REVIEWER                                   | 2008<br>Number of reviews: 1 |
| <b>US National Science Foundation (USA)</b><br>EXTERNAL REVIEWER                                   | 2007<br>Number of reviews: 1 |
| <b>Natural Science and Engineering Research Council (Canada)</b><br>EXTERNAL REVIEWER              | 2005<br>Number of reviews: 1 |
| <b>US National Science Foundation (USA)</b><br>EXTERNAL REVIEWER                                   | 2005<br>Number of reviews: 1 |

## Areas of Interest

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

## Honours

### VISITING PROFESSORSHIPS

|  |                       |
|--|-----------------------|
| <b>Universidad Politécnica de Madrid</b><br>VISITING PROFESSORSHIP | Madrid, Spain<br>2008 |
|--|-----------------------|

### SCHOLARSHIPS

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

### SCIENTIFIC AWARDS

|  |  |
|--|--|
| <b>Japan Society of Civil Engineers</b><br>BEST PRESENTATION AWARD | 57th Annual Conference of the<br>JSCE<br>October, 2002 |
|--|--|

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

### Association of American Geographers

|  |      |
|--|------|
| MEREDITH F. BURRILL AWARD FOR WORK OF EXCEPTIONAL MERIT AND QUALITY THAT LIES AT OR NEAR THE INTERSECTION OF BASIC RESEARCH IN GEOGRAPHY ON THE ONE HAND, AND PRACTICAL APPLICATIONS OR POLICY IMPLICATIONS ON THE OTHER | 2010 |
| • Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda   |      |

### TRAINEE HONOURS

|  |                                      |
|--|--------------------------------------|
| <b>Elise Desjardins</b><br>TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS | Winner, Master's Competition<br>2021 |
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## Md Moniruzzaman

INTERNATIONAL TRANSPORTATION FORUM

Young Researcher Award

2016

## Md Moniruzzaman

CANADIAN INSTITUTES FOR HEALTH RESEARCH, INSTITUTE OF AGING

Age+ Prize

2014

## Md Moniruzzaman

WORLD CONFERENCE OF TRANSPORT RESEARCH SOCIETY

Ph.D. Prestige Grant

2013

## Md Moniruzzaman

TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

Winner, Master's Competition

2012

## Steven Farber

TRANSPORTATION GEOGRAPHY SPECIALTY GROUP OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS

Honorable Mention, Ph.D.

Competition

2011

## OTHER

## Highly Cited Badge

WEB OF SCIENCE

2024

- Páez A, Lopez FA, Menezes T, Cavalcanti R, Galdino da Rocha Pitta M (2021) A spatio-temporal analysis of the environmental correlates of COVID-19 incidence in Spain, Geographical Analysis, 53 (3) 397-421 (doi:10.1111/gean.12241)

## Teaching

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### COURSES

#### GEO \*712 Reproducible Research Workflow

2023 (Fall)

GRADUATE

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

- Enrolment: 10 students

#### ENVSOCY 4GA3 Applied Spatial Statistics

2022 (Winter)

UNDERGRADUATE

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

- Enrolment: 31 students

#### ENVSOCY 4LP3 Transport Policy

2022 (Winter)

UNDERGRADUATE

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

- Enrolment: 18 students

#### GEO \*738 Discrete Choice and Policy Analysis

2022 (Winter)

GRADUATE

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

- Enrolment: 6 students

#### ENVSOCY 3LT3 Transportation Geography

2021 (Fall)

UNDERGRADUATE

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

- Enrolment: 30 students

#### GEO \*712 Reproducible Research Workflow

2021 (Fall)

GRADUATE

TA support (1 TA = 130 h): 0/

Co-Instructor(s): Krysha Dukacz

- Enrolment: 5 students

#### ENVSOCY 4GA3 Applied Spatial Statistics

2021 (Winter)

UNDERGRADUATE

TA support (1 TA = 130 h): 1.5/

Co-Instructor(s): NA

- Enrolment: 34 students

#### ENVSOCY 4LP3 Transport Policy

2021 (Winter)

UNDERGRADUATE

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

- Enrolment: 6 students

## **ENVSOCY 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 50 students

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 46 students

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 15 students

## **GEO \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 6 students

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 52 students

## **GEO \*712 Reproducible Research Workflow**

GRADUATE

- Enrolment: 8 students

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 26 students

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 15 students

## **GEO \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 6 students

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 30 students

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 42 students

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 23 students

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 28 students

2020 (Fall)

TA support (1 TA = 130 h): 1.5/

Co-Instructor(s): NA

2020 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2020 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2020 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2019 (Fall)

TA support (1 TA = 130 h): 1.5/

Co-Instructor(s): NA

2019 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): Krysha Dukacz

2019 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2019 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2019 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2018 (Fall)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2018 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2018 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2017 (Fall)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA



## **GEO \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 1 students

**2017 (Fall)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEO \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 5 students

**2017 (Spring)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 29 students

**2017 (Winter)**

*TA support (1 TA = 130 h): 0.5/*

*Co-Instructor(s): NA*

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 24 students

**2017 (Winter)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 70 students

**2016 (Fall)**

*TA support (1 TA = 130 h): 2/*

*Co-Instructor(s): NA*

## **GEOG 4LT3 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 16 students

**2015 (Winter)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 19 students

**2014 (Fall)**

*TA support (1 TA = 130 h): 0.5/*

*Co-Instructor(s): NA*

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 41 students

**2014 (Fall)**

*TA support (1 TA = 130 h): 1/*

*Co-Instructor(s): NA*

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 9 students

**2014 (Winter)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEOG 4GT3 Special Topics in GIS: Geodemographic Analysis**

UNDERGRADUATE

- Enrolment: 20 students

**2014 (Winter)**

*TA support (1 TA = 130 h): 0/*

*Co-Instructor(s): NA*

## **GEOG 4GA3 Applied Spatial Statistics**

UNDERGRADUATE

- Enrolment: 24 students

**2013 (Fall)**

*TA support (1 TA = 130 h): 0.5/*

*Co-Instructor(s): NA*

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 24 students

**2013 (Fall)**

*TA support (1 TA = 130 h): 0.5/*

*Co-Instructor(s): NA*

## **GEOG 2LI3 Transportation and Economic Activity**

UNDERGRADUATE

- Enrolment: 92 students

**2012 (Fall)**

*TA support (1 TA = 130 h): 2/*

*Co-Instructor(s): NA*

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 14 students

## **GEOG 4LT3 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 18 students

## **GEOG 2LI3 Transportation and Economic Activity**

UNDERGRADUATE

- Enrolment: 92 students

## **GEOG 3LT3 Transportation Geography**

UNDERGRADUATE

- Enrolment: 25 students

## **GEO \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 5 students

## **GEOG 4LT3 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 72 students

## **GEOG 2LI3 Transportation and Economic Activity**

UNDERGRADUATE

- Enrolment: 111 students

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 11 students

## **GEOG \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 6 students

## **GEOG 4LT3 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 60 students

## **GEOG 4LP3 Transport Policy**

UNDERGRADUATE

- Enrolment: 23 students

## **GEOG 2LI3 Transportation and Economic Activity**

UNDERGRADUATE

- Enrolment: 120 students

## **GEOG \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 10 students

2012 (Fall)

TA support (1 TA = 130 h): 0.5/

Co-Instructor(s): NA

2012 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2011 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2011 (Fall)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2011 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2011 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2010 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2010 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2010 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2010 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2010 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2009 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2009 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

## **GEOG 4S03 Advanced Topics in Spatial Analysis**

UNDERGRADUATE

- Enrolment: 22 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 70 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 134 students

## **GEOG \*738 Discrete Choice and Policy Analysis**

GRADUATE

- Enrolment: 10 students

## **GEOG 4S03 Advanced Topics in Spatial Analysis**

UNDERGRADUATE

- Enrolment: 20 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 53 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 125 students

## **GEOG 4S03 Advanced Topics in Spatial Analysis**

UNDERGRADUATE

- Enrolment: 22 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 49 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 84 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 60 students

## **GEOG 4S03 Advanced Topics in Spatial Analysis**

UNDERGRADUATE

- Enrolment: 14 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 40 students

2008 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2008 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2007 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2007 (Fall)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2007 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2007 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2006 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2006 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2006 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2005 (Fall)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2005 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2005 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2005 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

## **510-654 Advanced Topics in Spatial Analysis**

DIPLOMA-CERTIFICATE

- Enrolment: 6 students

## **510-657 Applied Project**

DIPLOMA-CERTIFICATE

- Enrolment: 2 students

## **510-655 Major Project**

DIPLOMA-CERTIFICATE

- Enrolment: 4 students

## **GEOG \*715 Transport Policy and Elderly Mobility**

GRADUATE

- Enrolment: 1 students

## **510-654 Introduction to Spatial Statistics**

DIPLOMA-CERTIFICATE

- Enrolment: 7 students

## **GEOG 4S03 Advanced Topics in Spatial Analysis**

UNDERGRADUATE

- Enrolment: 29 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 39 students

## **510-655 Major Project**

DIPLOMA-CERTIFICATE

- Enrolment: 6 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 29 students

## **510-654 Introduction to Spatial Statistics**

DIPLOMA-CERTIFICATE

- Enrolment: 16 students

## **GEOG 2HA3 Locational Analysis**

UNDERGRADUATE

- Enrolment: 60 students

## **GEOG 4D03 Analysis of Transportation Systems**

UNDERGRADUATE

- Enrolment: 29 students

## **510-655 Major Project**

DIPLOMA-CERTIFICATE

- Enrolment: 8 students

2005 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2005 (Winter)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2005 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): Pavlos

Kanaroglou, Bruce Newbold

2004 (Spring)

TA support (1 TA = 130 h): 0/

Co-Instructor(s): NA

2004 (Spring)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2004 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2004 (Winter)

TA support (1 TA = 130 h): 2/

Co-Instructor(s): NA

2004 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): Bruce Newbold

2003 (Fall)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2003 (Fall)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2003 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2003 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): NA

2003 (Winter)

TA support (1 TA = 130 h): 1/

Co-Instructor(s): Pavlos

Kanaroglou, Bruce Newbold

## TOTAL NUMBER OF COURSES TAUGHT

Undergraduate: 53

Graduate: 13

## TOTAL NUMBER OF STUDENTS

Undergraduate: 2239

Graduate: 79

## Supervisorships

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### UNDERGRADUATE (CIVIL ENGINEERING):

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

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

### MCMASTER ENGINEERING AND SOCIETY PROGRAM - METROLINX ROB MACISAAC FELLOWSHIP:

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

### MCMASTER ENGINEERING AND SOCIETY PROGRAM - INQUIRY PAPER:

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

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

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

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

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

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

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

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

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

### UNDERGRADUATE (GEOGRAPHY):

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

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

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

Alexander Moriopoulous (McMaster University, December 2018) Walkability

Tyler Marr (McMaster University, April 2018) Tactical Urbanism

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

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

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

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

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

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

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

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

#### **UNDERGRADUATE (LIFE SCIENCES):**

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

#### **UNDERGRADUATE (PHYSICS):**

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

#### **MASTER**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## DOCTORAL

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## **Supervisory Committees (All are doctoral unless otherwise noted) \_\_\_\_\_**

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

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

Christina Borowiec (McMaster University; 2019-) Active travel

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

Jeremy Gabriel (McMaster University; 2023) Strata analysis

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

## Examination Committees

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hejun Kang (Ph.D., McMaster University; Geography and Earth Sciences) August 18, 2008

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

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

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

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

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

## Research and Other Funding

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|   |  |
|---|--|
| <b>Canadian Institutes of Health Research, Canada</b><br>ENHANCING THE MOBILITY AND HEALTH OF OLDER ADULTS<br>• PI: Heather McKay; team size: 6 researchers   | <i>CAD 25,000</i><br><i>2011</i>         |
| <b>Canadian Institutes of Health Research, Canada</b><br>WALK THE TALK: TRANSFORMING THE BUILT ENVIRONMENT TO ENHANCE MOBILITY IN SENIORS<br>• PI: Heather McKay; team size: 10 researchers   | <i>CAD 1,500,000</i><br><i>2010-2016</i> |
| <b>Canadian Institutes of Health Research, Canada</b><br>CANADA'S BLOOD FUTURES: GEOGRAPHY, DEMOGRAPHIC CHANGE, AND THE SUPPLY AND DEMAND OF BLOOD IN CANADA<br>• PI: Antonio Páez; team size: 4 researchers  | <i>CAD 240,723</i><br><i>2010-2013</i>   |
| <b>Natural Sciences and Engineering Research Council, Canada</b><br>CRITICAL INFRASTRUCTURE: EVALUATING THE EFFECT OF NETWORK TOPOLOGY AND AUTOCORRELATION<br>• PI: Antonio Páez; team size: 1 researchers  | <i>CAD 95,000</i><br><i>2011-2016</i>    |
| <b>Natural Sciences and Engineering Research Council, Canada</b><br>INTERNATIONAL WORKSHOP FRONTIERS IN TRANSPORTATION: SOCIAL AND SPATIAL INTERACTIONS<br>• PI: Antonio Páez; team size: 4 researchers   | <i>CAD 8,660</i><br><i>2005</i>          |
| <b>Natural Sciences and Engineering Research Council, Canada</b><br>MODELING CONTINUOUS-SPACE CONTEXTUAL EFFECTS IN TRANSPORTATION SYSTEMS<br>• PI: Antonio Páez; team size: 1 researchers  | <i>CAD 105,000</i><br><i>2003-2007</i>   |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>MOBILIZING JUSTICE<br>• PI: Steven Farber; team size: 10 researchers  | <i>CAD 2,498,195</i><br><i>2020-2025</i> |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>CHILDREN'S INDEPENDENT MOBILITY ENVIRONMENTS (CHIME)<br>• PI: E. Owen D. Waygood; team size: 4 researchers  | <i>CAD 296,830</i><br><i>2020-2025</i>   |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>DO CLOSED SCHOOLS MEAN DISAPPEARING VALUE? EXPLORING THE DECAPITALIZATION OF EDUCATION IN NEIGHBOURHOOD HOUSE PRICES IN HAMILTON<br>• PI: Christopher Higgins; team size: 2 researchers | <i>CAD 49,705</i><br><i>2017-2018</i>    |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>PARKS, SHOPS, AND FRIENDS: HOW DO THE BUILT AND SOCIAL ENVIRONMENTS INFLUENCE TRAVEL BEHAVIOR?<br>• PI: Antonio Páez; team size: 2 researchers  | <i>CAD 91,550</i><br><i>2010-2012</i>    |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>UNDERSTANDING BARRIERS TO PARTICIPATION IN SPORT AND OTHER PHYSICAL ACTIVITIES<br>• PI: Darren M. Scott; team size: 2 researchers   | <i>CAD 106,500</i><br><i>2008-2011</i>   |
| <b>Social Sciences and Humanities Research Council, Canada</b><br>BLOOD DONOR RESEARCH: INDIVIDUAL DETERMINANTS AND GEOGRAPHICAL PROFILE OF BLOOD DONORS<br>• PI: Antonio Páez; team size: 3 researchers  | <i>CAD 40,000</i><br><i>2007-2008</i>    |

|   |                          |
|---|--------------------------|
| <b>Social Sciences and Humanities Research Council, Canada</b><br>SOCIAL INFLUENCE ON TRAVEL BEHAVIOR: A CASE STUDY OF THE DECISION TO TELECOMMUTE<br>• PI: Antonio Páez; team size: 2 researchers  | CAD 88,212<br>2005-2007  |
| <b>Geomatics for Informed Decisions (GEOIDE), Canada</b><br>TRANSPORTATION IMPLICATIONS OF CANADA'S AGING SOCIETY<br>• PI: Darren M. Scott; team size: 6 researchers  | CAD 150,000<br>2003-2004 |
| <b>Labrage Optimal Aging Initiative, Canada</b><br>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<br>• PI: Amanda Grenier; team size: 4 researchers            | CAD 50,449<br>2014-2015  |
| <b>McMaster Interdisciplinary Research Fund, Canada</b><br>EXAMINING TRAFFIC SAFETY CHALLENGES OF OLDER PEDESTRIANS IN CANADA<br>• PI: Antonio Páez; team size: 4 researchers   | CAD 42,000<br>2018-2019  |
| <b>Arts and Research Board McMaster University, Canada</b><br>CONFERENCE GRANT<br>• PI: Antonio Páez; team size: 1 researchers  | CAD 1,326<br>2010        |
| <b>Arts and Research Board McMaster University, Canada</b><br>CONFERENCE GRANT<br>• PI: Antonio Páez; team size: 1 researchers  | CAD 2,045<br>2007        |
| <b>Arts and Research Board McMaster University, Canada</b><br>CONFERENCE GRANT<br>• PI: Antonio Páez; team size: 1 researchers  | CAD 2,703<br>2005        |
| <b>McMaster University, Canada</b><br>INCENTIVE FUNDING<br>• PI: Antonio Páez; team size: 1 researchers   | CAD 5,000<br>2014        |
| <b>McMaster University, Canada</b><br>INCENTIVE FUNDING<br>• PI: Antonio Páez; team size: 1 researchers   | CAD 5,000<br>2004        |
| <b>McMaster University, Canada</b><br>START-UP FUNDS<br>• PI: Antonio Páez; team size: 1 researchers  | CAD 50,000<br>2002       |
| <b>McPherson Institute-McMaster University Libraries, Canada</b><br>PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS<br>• PI: Antonio Páez; team size: 2 researchers  | CAD 4,932<br>2021-2022   |
| <b>Centre for Leadership in Learning McMaster University, Canada</b><br>USING SPREADSHEETS AND GRAPHICS TO IMPROVE MATHEMATICAL INTUITION IN GEOGRAPHICAL PROBLEM SOLVING: THE CASE OF LOCATIONAL ANALYSIS<br>• PI: Antonio Páez; team size: 1 researchers                              | CAD 3,078<br>2004        |
| <b>Centre for Leadership in Learning McMaster University, Canada</b><br>DEVELOPING A WEB-BASED SURVEY TO COLLECT STUDENT TRAVEL BEHAVIOR INFORMATION<br>• PI: Antonio Páez; team size: 1 researchers  | CAD 800<br>2008          |
| <b>North American Regional Science Council, US</b><br>TRAVEL GRANT<br>• PI: Antonio Páez; team size: 1 researchers  | USD 500<br>2008          |
| <b>Human Resources and Social Development Canada, Canada</b><br>UNDERSTANDING THE TRANSPORTATION SITUATION OF CANADIAN ADULTS WITH DISABILITIES: IDENTIFYING BARRIERS FOR ADULTS WITH DISABILITIES WHO TRAVEL LOCALLY AND LONG-DISTANCE<br>• PI: Antonio Páez; team size: 3 researchers | CAD 35,982<br>2009       |
| <b>Human Resources and Social Development Canada, Canada</b><br>SPATIAL MISMATCH IN CANADIAN COMMUNITIES: THE SOCIO-ECONOMIC OUTCOMES OF TRANSPORTATION INFRASTRUCTURE AND ACCESS<br>• PI: Antonio Páez; team size: 5 researchers   | CAD 56,804<br>2008       |

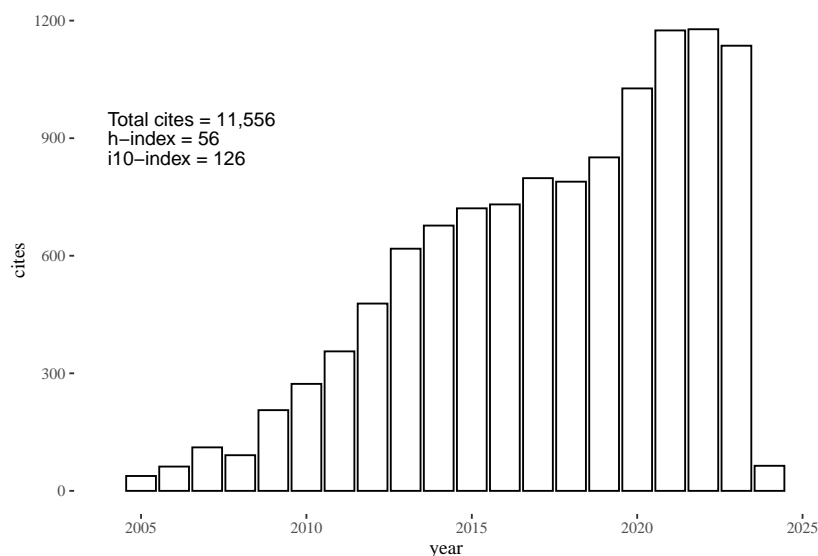


Figure 2: Citations per year according to Google Scholar

## Research Impact

Fig. 2 is a summary of research impact according to Google Scholar.

## Lifetime Publications

### BOOKS

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

### EDITED BOOKS

1. Franklin, R. S., Leeuwen, E. S. van, & Paez, 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., & Paez, A. (2020). *Climate change and land use pattern in Brazil* (pp. 443–472). [www.scopus.com](http://www.scopus.com)
2. Franklin, R. S., Leeuwen, E. S. van, & Paez, A. (2018). *Transportation where people leave: An introduction* (Vol. 2, pp. 1–14). [www.scopus.com](http://www.scopus.com)
3. Páez, A., López-Hernández, F. A., Ortega-García, J. A., & Ruiz, M. (2016). *Clustering and co-occurrence of cancer types: A comparison of techniques with an application to pediatric cancer in Murcia, Spain* (pp. 47–68). [www.scopus.com](http://www.scopus.com)
4. Páez, A. (2016). *Access and social complexity: Identifying and managing access requirements across social groups and across the world* (pp. 190–217). [www.scopus.com](http://www.scopus.com)
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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)

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2. 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>
3. 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>
4. Santos, B. D. dos dos, Ribeiro, R. M., Paez, 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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7. 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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## PEER-REVIEWED JOURNAL ARTICLES (ACCEPTED FOR PUBLICATION IN FINAL FORM)

1. Merrall, J., Higgins, C. D., & Paez, A. (2023). 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*, n/a(n/a). <https://doi.org/10.1111/gean.12377>
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## PEER-REVIEWED JOURNAL ARTICLES (SUBMITTED FOR PUBLICATION)

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## PEER-REVIEWED CONFERENCE PRESENTATIONS

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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

1. Soukhov, A., Paez, A., Higgins, C., & Moataz, M. (2022). A renewed argument for walkable school accessibility. *69th Annual North American Meetings of the Regional Science Association International*.
2. Paez, A. (2022). A machine learning approach to obtain functional migration regions. *69th Annual North American Meetings of the Regional Science Association International*.
3. Moghadas, M., & Paez, A. (2022). A historical collection of impedance functions for active travel accessibility analysis in canada. *69th Annual North American Meetings of the Regional Science Association International*.
4. Paez, A., Soares, S., & Menezes, T. (2015). Assessing spatial inequalities based on the probabilities of an ordinal model. *91th Annual Meeting of the Association of American Geographers*.
5. Reyes, M., Paez, A., & Morency, C. (2014). Accounting for facility crowding in individual-based estimates of accessibility. *61th Annual North American Meetings of the Regional Science Association International*.
6. Paez, A., Lopez, F., & Ruiz, A. (2014). Statistical test of the difference between two moran's i coefficients. *91th Annual Meeting of the Association of American Geographers*.
7. Paez, A., & Esita, J. (2013). Gender or role? Analysis of activity participation of single?parent household heads in canada considering time?use patterns. *60th Annual North American Meetings of the Regional Science Association International*.



8. Paez, A., Apparicio, P., & Cloutier, M. (2013). The geography of altruism: The case of blood donor clusters in toronto. *60th Annual North American Meetings of the Regional Science Association International*.
9. Higgins, C., Paez, A., & Kanaroglou, P. (2013). Identifying highly knowledgeable, creative, and innovative individuals and their interactions with canadian cities. *60th Annual North American Meetings of the Regional Science Association International*.
10. Reyes, M., Paez, A., & Morency, C. (2012). Accessibility to urban parks in montreal from the perspective of children. *91th Annual Meeting of the Association of American Geographers*.
11. Paez, A., Moniruzzaman, M., Bourbonnais, P., & Morency, C. (2012). Developing a web-based accessibility calculator prototype for the greater montreal area. *91th Annual Meeting of the Association of American Geographers*.
12. Moniruzzaman, M., Paez, A., & Morency, C. (2012). Geographical variations in the walking trip length of seniors in montreal, 2003-2008. *91th Annual Meeting of the Association of American Geographers*.
13. Moniruzzaman, M., Paez, A., Habib, K., & Morency, C. (2012). Mode of travel and trip length by seniors in montreal with a focus on walking. *International Conference on Aging, Mobility and Quality of Life*.
14. Menezes, T., Paez, A., Silveira-Neto, R., Monteiro, C., & Ratton, J. (2012). A comparison of day and night crime patterns in recife, brazil. *91th Annual Meeting of the Association of American Geographers*.
15. Esita, J., Paez, A., Newbold, K., Blake, J., & Heddle, N. (2012). Optimization of blood donation clinic resources: A case study of toronto CMA. *91th Annual Meeting of the Association of American Geographers*.
16. Cimaroli, K., Paez, A., Newbold, K., & Heddle, N. (2012). Individual and contextual determinants on frequency of blood donation in canada with a focus on clinic accessibility. *91th Annual Meeting of the Association of American Geographers*.
17. Paez, A., Moniruzzaman, M., Bourbonnais, P., & Morency, C. (2011). Developing a web-based accessibility calculator prototype for the greater montreal area. *58th Annual North American Meetings of the Regional Science Association International*.
18. Paez, A., & Moniruzzaman, M. (2011). A model-based approach to select case sites for conducting walkability audits. *3rd Annual TRANSLOG Conference*.
19. Paez, A., Lopez, F., Ruiz, M., & Ortega, J. (2011). Co-occurrence of pediatric cancer types in murcia, spain: A geographical analysis. *90th Annual Meeting of the Association of American Geographers*.
20. Paez, A., Cespedes, N., & Carrasco, J. (2011). Putting some sociology in w. *51th European Congress of the Regional Science Association International*.
21. Mur, A., & Paez, A. (2011). Local weighting or the necessity of flexibility. *51th European Congress of the Regional Science Association International*.
22. Lopez, F., Ruiz, M., & Paez, A. (2011). Comparison of thematic maps using symbolic entropy. *51th European Congress of the Regional Science Association International*.
23. Lopez, F., & Paez, A. (2011). An exploratory analysis of spatial clustering of high-tech industry and knowledge-intensive services in the greater toronto area. *58th Annual North American Meetings of the Regional Science Association International*.
24. Farber, S., & Paez, A. (2011). Measuring segregation with spatially varying mobility metrics. *90th Annual Meeting of the Association of American Geographers*.
25. Esita, J., Paez, A., Newbold, K., Blake, J., & Heddle, N. (2011). Accessibility and the allocation of clinic resources to optimize blood donor yield in the toronto CMA. *58th Annual North American Meetings of the Regional Science Association International*.
26. Da Silva, R., Bacha, C., & Paez, A. (2011). Potencial de mercado da regioao norte do brasil: A proposta de um indicador para medir seu isolamento geoeconomico. *IX Encontro Nacional Da Associacao Brasileira de Estudos Regionais e Urbanos*.
27. Cimaroli, K., Paez, A., Newbold, K., & Heddle, N. (2011). The effect of clinic accessibility and individual determinants on frequency of blood donation. *14th International Medical Geography Symposium*.
28. Barufi, A., Haddad, E., & Paez, A. (2011). Infant mortality in brazil, 1980-2000: A spatial panel analysis. *58th Annual North American Meetings of the Regional Science Association International*.
29. Whalen, K., Paez, A., Bhat, C., Moniruzzaman, M., & Paleti, R. (2010). T-communities and sense of community: Evidence from a sample of university students in canada. *57th Annual North American Meetings of the Regional Science Association International*.
30. Trepanier, M., Morency, C., Pelletier, M.-P., & Paez, A. (2010). Assessing the commercial use of transit smart card in montreal. *2nd Annual Translog Conference*.
31. Schettini, D., Azzoni, C., & Paez, A. (2010). Neighborhood and efficiency in manufacturing in brazilian regions: A spatial markov chain analysis. *50th European Congress of the Regional Science Association International*.
32. Paez, A., & Whalen, K. (2010). Enjoyment of commute: A comparison of different modes. *2nd Annual TRANSLOG Conference*.
33. Paez, A., Saberton, P., Newbold, K., & Heddle, N. (2010). Using visualization and filters to improve regression analysis of spatial data. *57th Annual North American Meetings of the Regional Science Association International*.

34. Paez, A., Ruiz, M., Lopez, F., & Logan, J. (2010). Yankees, irish, and germans: An exploratory analysis of co-location patterns in 1880 newarks. *89th Annual Meeting of the Association of American Geographers*.
35. Paez, A., & Farber, S. (2010). Leisure participation and wants of adult canadians with disabilities. *2nd Annual TRANSLOG Conference*.
36. Paez, A., Cespedes, N., & Carrasco, J. (2010). Tertiary streets and the strength of autocorrelation using moran's coefficient. *57th Annual North American Meetings of the Regional Science Association International*.
37. Moniruzzaman, M., & Paez, A. (2010). Accessibility to transit, by transit, and mode share: Application of a logistic model with spatial filters. *57th Annual North American Meetings of the Regional Science Association International*.
38. Farber, S., Ruiz, M., & Paez, A. (2010). A non-parametric test for network and spatial dependence using symbolic logic. *89th Annual Meeting of the Association of American Geographers*.
39. Farber, S., & Paez, A. (2010). Who am i? Where am i? Socio-spatial perceptions of clustering. *57th Annual North American Meetings of the Regional Science Association International*.
40. Barufi, A., Haddad, E., & Paez, A. (2010). Regional dimensions of infant mortality in brazil. *50th European Congress of the Regional Science Association International*.
41. Whalen, K., & Paez, A. (2009). Exploratory analysis of the enjoyment of commuting: A comparison of different modes. *56th Annual North American Meetings of the Regional Science Association International*.
42. Saberton, P., Paez, A., & Newbold, K. (2009). Using canadian blood donor count data to generate positively autocorrelated regression models. *88th Annual Meeting of the Association of American Geographers*.
43. Ruiz, M., Lopez, F., & Paez, A. (2009). Map comparison using symbolic dynamics. *56th Annual North American Meetings of the Regional Science Association International*.
44. Ruiz, M., Lopez, F., & Paez, A. (2009). Spatial association of qualitative variables: A new test based on symbolic logic. *3rd World Conference of the Spatial Econometrics Association*.
45. Paez, A., Ruiz, M., Lopez, F., & Logan, J. (2009). Yankees, irish, and germans: An exploratory analysis of co-location patterns in late 19th century newark. *56th Annual North American Meetings of the Regional Science Association International*.
46. Paez, A., & Le, J., Gallo. (2009). Using synthetic variables in instrumental variable estimation of spatial series. *56th Annual North American Meetings of the Regional Science Association International*.
47. Paez, A., Farber, S., & Wheeler, D. (2009). Multicollinearity in GWR models: Results of a new experiment. *3rd World Conference of the Spatial Econometrics Association*.
48. Paez, A., Bonin, J., & Habib, K. (2009). Shopping trip frequency and duration in canada: An analysis of personal trends based on the general social surveys of 1998 and 2005. *12th International Conference on Travel Behaviour Research*.
49. Mercado, R., Paez, A., Farber, S., Morency, C., & Roorda, M. (2009). Journey to work in urban areas: Explaining travel mode choice of low-income persons in ontario and quebec. *88th Annual Meeting of the Association of American Geographers*.
50. Griffith, D., & Paez, A. (2009). Simulating spatially autocorrelated random variables. *56th Annual North American Meetings of the Regional Science Association International*.
51. Dam, I., Scott, D., Paez, A., & Wilton, R. (2009). Exploring the relationship between social influence and telecommuting: Some preliminary evidence. *88th Annual Meeting of the Association of American Geographers*.
52. Bonomi, A., Haddade, E., & Paez, A. (2009). From good to great: Development and growth in brazilian minimum comparable areas in the last decades. *88th Annual Meeting of the Association of American Geographers*.
53. Saberton, N., PJ, & Paez, A. (2008). Testing for heterogeneity among canadian blood donors. *55th Annual North American Meetings of the Regional Science Association International*.
54. Ruminot, N., Paez, A., & Carrasco, J. (2008). Vulnerable nodes in networks: An autocorrelation approach. *2nd World Conference of the Spatial Econometrics Association*.
55. Paez, A., Wheeler, D., & Farber, S. (2008). Multicollinearity in GWR models: A comment and some further experiments. *8th World Congress of Regional Science Association International*.
56. Paez, A., Ribeiro, A., & Antunes, A. (2008). Modeling the impact of regional accessibility with spatially autoregressive models. *NECTAR Accessibility Workshop*.
57. Paez, A., Morency, C., Roorda, M., Mercado, R., & Farber, S. (2008). Fast food for thought: A tale of accessibility of low income individuals in montreal. *VI National Encounter of the Brazilian Association of Regional Studies*.
58. Paez, A., Morency, C., & Roorda, M. (2008). New mobilities of the old. A study of the evolution of elderly mobility in the greater montreal area. *87th Annual Meeting of the Association of American Geographers*.
59. Paez, A., Mercado, R., Farber, S., Morency, C., & Roorda, M. (2008). Access to health care facilities by canadian elderly: An application of relative accessibility indicators. *55th Annual North American Meetings of the Regional Science Association International*.

60. Paez, A., Mercado, R., Farber, S., Morency, C., & Roorda, M. (2008). At the intersection between opportunities and travel: Development of a new indicator of relative accessibility. *55th Annual North American Meetings of the Regional Science Association International*.
61. Paez, A. (2008). Demand for para-transit rides: A poisson regression with spatial filters approach. *2nd World Conference of the Spatial Econometrics Association*.
62. Farber, S., Paez, A., Mercado, R., Roorda, M., & Morency, C. (2008). A simultaneous equations approach to measuring social exclusion through activities and time use. *55th Annual North American Meetings of the Regional Science Association International*.
63. Farber, S., Paez, A., & Axhausen, K. (2008). Any given monday: An exploration of the stability of long term activity patterns. *87th Annual Meeting of the Association of American Geographers*.
64. Farber, S., & Paez, A. (2008). Model specification searches in spatial econometrics. *2nd World Conference of the Spatial Econometrics Association*.
65. Wilton, R., Paez, A., & Scott, D. (2007). Why do you care what other people think? A qualitative investigation of social contact and telework. *Workshop Frontiers in Transportation: Social Interaction*.
66. Wheeler, D., Paez, A., & Waller, L. (2007). Housing sub-markets and hedonic price analysis: A bayesian approach. *54th Annual North American Meetings of the Regional Science Association International*.
67. Ribeiro, A., Antunes, A., & Paez, A. (2007). The misunderstood influence of road accessibility in regional development - spatial regression models for portuguese less developed regions. *54th Annual North American Meetings of the Regional Science Association International*.
68. Paez, A., Wheeler, D., & Farber, S. (2007). Multicollinearity in GWR models: A comment and some further experiments. *54th Annual North American Meetings of the Regional Science Association International*.
69. Paez, A., Scott, D., & Volz, E. (2007). Autocorrelation in social networks: A preliminary investigation of sampling issues. *1st World Conference of the Spatial Econometrics Association*.
70. Paez, A., Scott, D., & Volz, E. (2007). Weight matrices for social influence analysis: A monte-carlo investigation of specification issues. *Workshop Frontiers in Transportation: Social Interaction*.
71. Paez, A. (2007). Density and travel indicators: Implications for understanding quality of life issues of the elderly. *Meeting of the Special Interest Group 1 of the World Conference for Transport Research Society*.
72. Paez, and, A. (2007). Geographical analysis of elderly mobility: The case of the greater montreal area. *Annual Meeting of the Canadian Regional Science Association*.
73. Mercado, R., & Paez, A. (2007). Age, gender, and neighborhood determinants of distance traveled: A multilevel analysis in the hamilton CMA. *86th Annual Meeting of the Association of American Geographers*.
74. Farber, S., Paez, A., & Volz, E. (2007). Topology and dependency tests in spatial and network autoregressive models. *54th Annual North American Meetings of the Regional Science Association International*.
75. Farber, S., & Paez, A. (2007). Automobile dependency and social activities: A hidden cost of automobility? *Workshop Frontiers in Transportation: Social Interaction*.
76. Farber, S., & Paez, A. (2007). My car, my friends, and me: An exploratory analysis of automobility and social activities. *54th Annual North American Meetings of the Regional Science Association International*.
77. Bonin, J., & Paez, A. (2007). Individual shopping trip duration: Is there a metropolitan-non-metropolitan divide? *54th Annual North American Meetings of the Regional Science Association International*.
78. Bonin, and, J. (2007). Individual shopping trip duration: Is there a metropolitan-non-metropolitan divide. *Annual Meeting of the Canadian Regional Science Association*.
79. Paez, A., Scott, D., & Volz, E. (2006). Autocorrelation in social networks: A preliminary investigation of sampling issues. *XXVI International Sunbelt Social Network Conference*.
80. Paez, A., Scott, D., Potoglou, D., Kanaroglou, P., & Newbold, K. (2006). A mixed ordered probit analysis of elderly trip generation in the hamilton CMA. *11th International Conference on Travel Behaviour Research*.
81. Mercado, R., & Paez, A. (2006). The influence of socio-demographic characteristics and urban form on travel behaviour of canadian older population in the hamilton CMA: Evidence from a multilevel model analysis. *2006 Annual Meeting of the Association of American Geographers*.
82. Mercado, R., & Paez, A. (2006). Mobility of canadian elderly: Multilevel analysis of distance traveled in the hamilton CMA, ontario, canada. *53rd Annual North American Meetings of the Regional Science Association International*.
83. Mercado, R., Maoh, H., Paez, A., Kanaroglou, P., Scott, D., & Newbold, K. (2006). A policy simulation framework for analyzing elderly transport mobility issues: An application to the hamilton census metropolitan area (CMA). *53rd Annual North American Meetings of the Regional Science Association International*.
84. Long, F., Paez, A., & Farber, S. (2006). Moving window approaches for hedonic price estimation. *53rd Annual North American Meetings of the Regional Science Association International*.

85. Long, F., & Paez, A. (2006). Modeling spatial variation in housing prices: A shift from global regression to local regression, from global variogram to local variogram. *2006 Annual Meeting of the Association of American Geographers*.
86. Farber, S., & Paez, A. (2006). The effect of influential points in cross-validation on GWR model estimation. *53rd Annual North American Meetings of the Regional Science Association International*.
87. Scott, D., Newbold, K., Paez, A., & Kanaroglou, P. (2005). Transportation implications of canada's aging population: A GEOIDE project. *2005 Annual Meeting of the Association of American Geographers*.
88. Potoglou, D., Paez, A., Scott, D., Kanaroglou, P., & and, K., Newbold. (2005). Canada's elderly travel behavior: Experience from the hamilton census metropolitan area. *2005 Annual Meeting of the Association of American Geographers*.
89. Paez, A., Scott, D., & Volz, E. (2005). Autocorrelation in social networks: A preliminary investigation of sampling issues. *52nd Annual North American Meetings of the Regional Science Association International*.
90. Paez, A., Scott, D., Potoglou, D., Kanaroglou, P., & Newbold, K. (2005). Elderly mobility: Demographic and spatial of trip making in the hamilton CMA. *52nd Annual North American Meetings of the Regional Science Association International*.
91. Mercado, R., Paez, A., Newbold, K., Scott, D., & Kanaroglou, P. (2005). Transport policy responses to elderly mobility in ageing societies: An international comparison. *2005 Annual Meeting of the Association of American Geographers*.
92. Kanaroglou, P., Maoh, H., Scott, D., Newbold, K., & Paez, A. (2005). Modeling the spatial distribution of population change within a predictive transportation system for the hamilton census metropolitan area (CMA). *52nd Annual North American Meetings of the Regional Science Association International*.
93. Kanaroglou, P., Maoh, H., Newbold, K., Scott, D., & Paez, A. (2005). A GIS-based decision support tool to study the impact of elderly population on the transportation system in hamilton census metropolitan area. *2005 Annual Meeting of the Association of American Geographers*.
94. Paez, A., & Scott, D. (2004). A discrete choice approach to modeling social influence on individual decision making. *51th Annual North American Meetings of the Regional Science Association International*.
95. Paez, A., & Scott, D. (2004). Social influence and the decision to telecommute: A simulation example. *Meeting of Special Interest Group 1 of the World Conference for Transport Research Society*.
96. Paez, A. (2004). Spatially weighted regression: Exploring spatial non-stationarity in multiple contexts. *51th Annual North American Meetings of the Regional Science Association International*.
97. Paez, A. (2003). Investigating heterogeneity in hedonic price models using geographically weighted regression. *50th Annual North American Meetings of the Regional Science Association International*.
98. Paez, A. (2003). Network accessibility and the spatial distribution of economic activity in eastern asia. *Meeting of Special Interest Group 1 of the World Conference for Transport Research Society*.
99. Paez, A. (2002). Spatial parametric nonstationarity: A variance heterogeneity approach. *49th Annual North American Meetings of the Regional Science Association International*.
100. Kawai, K., Vichiensan, V., Paez, A., & Miyamoto, K. (2002). Interpolation for spatial data in urban models based on geographically weighted regression and kriging. *57th Annual Conference of the Japan Society of Civil Engineers*.
101. Black, J., Paez, A., & Suthanaya, P. (2001). Spatial targets for sustainable transport: Some examples from international practice. *SMART Targets for Sustainable Transport*.
102. Paez, A., Uchida, T., & Miyamoto, K. (1998). Analysis of urbanization related environmental impacts from their spatial perspective. *Annual Meeting of the Tohoku Chapter, Japan Society of Civil Engineering*.
103. Paez, A., Uchida, T., & Miyamoto, K. (1997). Modeling land uses and environmental indicators. *Annual Meeting of the Tohoku Chapter, Japan Society of Civil Engineering*.

## Unsolicited Advice

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

UNIVERSIDAD COMPLUTENSE DE MADRID

- Unsolicited Advice, Presenter

Madrid, Spain

June 12-2023

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

McMASTER UNIVERSITY

- Unsolicited Advice, Instructor

Hamilton, Canada

April 14 and 21-2023

### Accessibility and Threshold Selection

POLYTECHIQUE MONTRÉAL

- Unsolicited Advice, Presenter

Montréal, Canada

May 20-2022

## Creating Programmatic CVs with R

SCHOOL OF EARTH, ENVIRONMENT AND SOCIETY, MCMASTER UNIVERSITY

- Unsolicited Advice, Presenter

Hamilton, Canada

April 4-2022

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

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

INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

- GEOINFO 2023, Keynote Speaker

São José dos Campos, Brazil

December 4-2023

### Open Science for All

McMASTER REPRODUCIBILI TEA

- Invited Talk, Speaker

Hamilton, Canada

October 17-2023

### Introducing spatial availability, a singly-constrained accessibility measure

POLYTECHIQUE MONTRÉAL

- Workshop, Instructor

Montréal, Canada

October 7-2023

### Ciencia Abierta para Todos (Open Science for All)

UNIVERSIDAD DE MURCIA

- VIII Jornadas Doctorales, Keynote Speaker

Murcia, Spain

June 27-2023

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

UNIVERSIDADE DE COIMBRA

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

Coimbra, Portugal

June 22-2023

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

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

June 14-2023

### How is active school travel (AST) framed in Ontario

NEW YORK UNIVERSITY, CENTER FOR URBAN SCIENCE AND PROGRESS

- Invited Seminar, Presenter

New York City

April 7-2023

### Spatial availability: a way to measure accessibility to competitive opportunities

NORTHERN ILLINOIS UNIVERSITY

- Invited Seminar, Presenter

DeKalb, Illinois, USA

February 17-2023

### Reproducible Research Workflow

RESEARCH DATA MANAGEMENT COMMUNITY OF PRACTICE - MCMASTER UNIVERSITY

- Invited Talk, Speaker

Hamilton, Canada

January 26-2023

### An introduction to exploratory data analysis in R

ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA IN RIMINI

- Invited workshop, Instructor

Rimini, Italy

November 14, 17, and 18-2022

### An introduction to exploratory data analysis in R

GRAN SASSO SCIENCE INSTITUTE

- Invited workshop, Instructor

L'Aquila, Italy

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

### Framing Active School Travel in Ontario, Canada

POLYTECHIQUE MONTRÉAL

- Colloque Annuel de la Chaire Mobilité, Presenter

Montréal, Canada

May 19-2022

### Mobilizing Justice: Developing Data-Driven Equity Standards

NEWCASTLE UNIVERSITY

- Invited Seminar, Presenter

Newcastle-upon-Tyne, UK

May 4-2022

### Spatial Data and Analytics

ALAN TURING INSTITUTE

- SAD Interview, Interviewee

Newcastle-upon-Tyne, UK

May 3-2022

### Developing a companion package to support teaching spatial statistics with Introduction to Spatial Data Analysis and Statistics

MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY

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

Hamilton, Canada

March 7-2022

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| <b>Introducing Spatial Availability: A Singly Constrained Measure of Accessibility</b><br>INSTITUTO DE PESQUISA ECONÔMICA APLICADA <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>   | <i>Brasília, Brazil</i><br>December 10-2021   |
| <b>Investigación Reproducible</b><br>DOCTORADO EN ECONOMÍA INTERUNIVERSITARIO <ul style="list-style-type: none"> <li>VI Jornadas de Doctorado y Seminarios Novel, Keynote Speaker</li> </ul>   | <i>Cartagena, Spain</i><br>November 29-2021   |
| <b>Creation of a Living Textbook for Teaching Spatial Statistics</b><br>MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY <ul style="list-style-type: none"> <li>Lightning Round: Teaching in the Open at McMaster, Panelist</li> </ul>   | <i>Hamilton, Canada</i><br>October 28-2021    |
| <b>Examining spatial equity of bike share: A balanced floating catchment area approach</b><br>POLYTECHIQUE MONTRÉAL <ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>   | <i>Montréal, Canada</i><br>May 25-2021        |
| <b>What's a school worth to a neighborhood</b><br>GRAN SASSO SCIENCE INSTITUTE <ul style="list-style-type: none"> <li>Invited Seminar, Presenter</li> </ul>  | <i>L'Aquila, Italy</i><br>March 17- 2021      |
| <b>Transportation research seminar</b><br>ITE TRANSPORTATION RESEARCH SEMINAR (MCMASTER CHAPTER) <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>   | <i>Hamilton, Canada</i><br>October 1-2020     |
| <b>Using CycleStreets and spatial interaction analysis to infer cycling routes</b><br>POLYTECHIQUE MONTRÉAL <ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>   | <i>Montréal, Canada</i><br>June 16-2020       |
| <b>Big data and behavioral analysis</b><br>TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>  | <i>Madrid, Spain</i><br>July 9-2019           |
| <b>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</b><br>DEPARTMENT OF APPLIED ECONOMICS, UNIVERSIDAD AUTÓNOMA DE MADRID <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul> | <i>Madrid, Spain</i><br>July 8-2019           |
| <b>Accessibility in Infrastructure Poor Regions</b><br>DEPARTMENT OF CIVIL, ENVIRONMENTAL, AND GEOMATICS ENGINEERING, ETH ZURICH <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>   | <i>Zurich, Switzerland</i><br>July 1-2019     |
| <b>Big data and behavioral analysis</b><br>UNIVERSIDAD POLITÉCNICA DE CARTAGENA <ul style="list-style-type: none"> <li>XXIII Applied Economics Meeting, Keynote Speaker</li> </ul>   | <i>Cartagena, Spain</i><br>June 6-2019        |
| <b>Cost Functions for Accessibility by Walking</b><br>POLYTECHIQUE MONTRÉAL <ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>   | <i>Montréal, Canada</i><br>May 21-2019        |
| <b>McMaster Research Data Forum</b><br>MCMASTER LIBRARY, RHPCS, MACDATA, AND THE TIER 3 RESEARCH DATA MANAGEMENT IT COMMITTEE <ul style="list-style-type: none"> <li>McMaster Research Data Forum, Panelist</li> </ul>   | <i>Hamilton, Canada</i><br>December 18-2018   |
| <b>Accesibilidad a los servicios de salud</b><br>DEPARTMENT OF GEOGRAPHY, UNIVERSIDAD COMPLUTENSE DE MADRID <ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>  | <i>Madrid, Spain</i><br>June 5-2018           |
| <b>Developing Dashboards to Communicate Transportation Information</b><br>POLYTECHIQUE MONTRÉAL <ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>   | <i>Montréal, Canada</i><br>May 23-2018        |
| <b>Methodology: spatial statistics with R</b><br>GRAN SASSO SCIENCE INSTITUTE <ul style="list-style-type: none"> <li>Short Course, Instructor</li> </ul>   | <i>L'Aquila, Italy</i><br>March 12 to 14-2018 |

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| <b>Travel and Time Poverty among Canadian Single Parent Households</b><br>UNIVERSITY OF TORONTO<br>• CIHR Workshop: Considering the role of Time Pressure and Geography In Food Shopping and dietary behaviours, Speaker  | Toronto, Canada<br>October 26-2017         |
| <b>Built environment and violent crime: An environmental audit approach using Google Street View</b><br>DEPARTMENT OF LAND ECONOMY, UNIVERSITY OF CAMBRIDGE<br>• Invited Talk, Speaker  | Cambridge, UK<br>October 11-2017           |
| <b>A simple indicator for inequality analysis in activity/travel behavior</b><br>BARTLETT SCHOOL OF PLANNING, UNIVERSITY COLLEGE LONDON<br>• Invited Talk, Speaker  | London, UK<br>October 9-2017               |
| <b>Exploratory spatial data analysis of categorical data</b><br>REGIONAL SCIENCE ASSOCIATION INTERNATIONAL-GRAN SASSO SCIENCE INSTITUTE SUMMER SCHOOL<br>• Invited workshop, Instructor   | L'Aquila, Italy<br>July 3 to 4-2017        |
| <b>Spatial Clustering of Traveller Attitudinal Profiles</b><br>POLYTECHIQUE MONTRÉAL<br>• Colloque Annuel de la Chaire Mobilité, Presenter  | Montréal, Canada<br>May 12-2017            |
| <b>Mode Use Propensity by Attitudinal and Spatial Cluster: An Exploratory Analysis</b><br>ECOLE SUPERIEURE D'AMENAGEMENT DU TERRITOIRE ET DE DEVELOPPEMENT REGIONAL, LAVAL UNIVERSITY<br>• Invited Talk, Speaker  | Quebec, Canada<br>April 19-2017            |
| <b>Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering Time-Use Patterns</b><br>CENTRO DE DESARROLLO SUSTENTABLE UNIVERSIDAD DE CONCEPCIÓN<br>• Invited Talk, Speaker   | Concepción, Chile<br>March 6-2017          |
| <b>Indicators for inequality analysis in activity/travel behavior</b><br>TRANSPORT EQUITY ANALYSIS COST ACTION<br>• Invited Seminar, Presenter  | Thessaloniki, Greece<br>May 6-2015         |
| <b>Accessible Accessibility Research Challenges</b><br>ASSOCIATION OF AMERICAN GEOGRAPHERS<br>• Fleming Lecture in Transport Geography (Prof. Bert van Wee), Discussant   | Chicago, USA<br>April 23-2015              |
| <b>Transportation and Spatial Analysis</b><br>DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA SANTA BARBARA<br>• Invited Talk, Speaker  | Santa Barbara, USA<br>January 29-2015      |
| <b>In the Beginning There was Transportation (There was also GIS)</b><br>SCHOOL OF GEOGRAPHY, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF BIRMINGHAM<br>• Invited Seminar, Presenter  | Birmingham, UK<br>January 12-2015          |
| <b>Selected topics in spatial analysis</b><br>THE UNIVERSITY OF WESTERN AUSTRALIA BUSINESS SCHOOL<br>• Invited workshop, Instructor   | Perth, Australia<br>December 12 to 17-2014 |
| <b>Mobility for sustainable communities</b><br>THE UNIVERSITY OF WESTERN AUSTRALIA<br>• Invited Talk, Speaker   | Perth, Australia<br>December 15-2014       |
| <b>Mobility-based geodemographics</b><br>THE UNIVERSITY OF WESTERN AUSTRALIA<br>• Invited Talk, Speaker   | Perth, Australia<br>December 10-2014       |
| <b>Mapping traveler attitudes: Does space matter?</b><br>DEPARTMENT OF SPATIAL SCIENCES, CURTIN UNIVERSITY<br>• Invited Talk, Speaker   | Perth, Australia<br>December 8-2014        |
| <b>An investigation of the attributes of walkable environments from the perspective of seniors in Montréal</b><br>INSTITUTE OF TRANSPORT GEOGRAPHY AND SPATIAL PLANNING, SHAANXI NORMAL UNIVERSITY<br>• Workshop Low-Carbon Cities: Land Use and Transportation Intervention, Speaker | Xi'an, China<br>June 11-2014               |

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| <b>Using spatial analysis to support site selection for field work: The case of walkability audits</b><br>SCHOOL OF ECONOMIC, POLITICAL AND POLICY SCIENCES, UNIVERSITY OF TEXAS AT DALLAS<br>• Invited Talk, Speaker             | Dallas, USA<br>May 26-2014                |
| <b>An investigation of the attributes of walkable environments from the perspective of seniors in Montréal</b><br>POLYTECHIQUE MONTRÉAL<br>• Colloque Annuel de la Chaire Mobilité, Presenter                                     | Montréal, Canada<br>May 13-2014           |
| <b>Mobility and the potential for social contact among children in Montréal</b><br>UNIVERSITY OF UTRECHT<br>• Living in Enclave Cities: Towards Mobility-Based Perspectives on Urban Segregation, Speaker                         | Utrecht, The Netherlands<br>March 21-2014 |
| <b>Contribuciones de las geotecnologías y análisis espacial al estudio de sistemas de transporte</b><br>DEPARTMENT OF CIVIL ENGINEERING, INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY<br>• Invited Talk, Speaker   | Monterrey, Mexico<br>February 18-2014     |
| <b>Accounting for facility congestion using individual-based estimates of accessibility</b><br>INSTITUTE FOR PROSPECTIVE TECHNOLOGICAL STUDIES, EUROPEAN COMMISSION<br>• NECTAR Cluster 6 Meeting, Speaker                        | Sevilla, Spain<br>February 6-2014         |
| <b>The Next 50 Years in Travel Analysis: What We Don't Know but Need to Know</b><br>93RD ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD<br>• Panel Session, Panelist   | Washington, D.C., USA<br>January 12-2014  |
| <b>Special Topics in Spatial Analysis</b><br>UNIVERSIDADE FEDERAL DE PERNAMBUCO<br>• Invited Seminar, Instructor  | Recife, Brazil<br>July 8 to 12-2013       |
| <b>Mobility for Sustainable Communities</b><br>SHAD VALLEY MCMASTER<br>• Invited Talk, Speaker  | Hamilton, Canada<br>July 4-2013           |
| <b>In the Beginning There was Transportation (There was also GIS)</b><br>SCHOOL OF GEOSCIENCES, UNIVERSITY OF ABERDEEN<br>• Invited Talk, Speaker   | Aberdeen, UK<br>May 20-2013               |
| <b>Mapping Traveler Attitudes: Does Space Matter?</b><br>POLYTECHIQUE MONTRÉAL<br>• Colloque Annuel de la Chaire Mobilité, Presenter  | Montréal, Canada<br>May 13-2013           |
| <b>Driving out of choices: An investigation of transport modality in a university sample</b><br>DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF UTAH<br>• Invited Talk, Speaker  | Salt Lake City, USA<br>March 29-2013      |
| <b>Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering time-use patterns</b><br>SCHOOL OF GEOGRAPHY AND EARTH SCIENCES, MCMASTER UNIVERSITY<br>• Invited Seminar, Presenter | Hamilton, Canada<br>February 4-2013       |
| <b>Web-based accessibility calculator for Montréal</b><br>POLYTECHIQUE MONTRÉAL<br>• Colloque Annuel de la Chaire Mobilité, Presenter   | Montréal, Canada<br>May 23-2012           |
| <b>Desarrollo de un indicador de ajuste espacial para modelos de selección discreta</b><br>DEPARTAMENTO DE MÉTODOS CUANTITATIVOS PARA LA ECONOMÍA, UNIVERSIDAD DE MURCIA<br>• Invited Talk, Speaker                               | Murcia, Spain<br>May 3-2012               |
| <b>Mapping traveler attitudes: Does space matter?</b><br>CENTER FOR URBAN TRANSPORTATION RESEARCH, UNIVERSITY OF SOUTH FLORIDA<br>• Invited Talk, Speaker   | Tampa, USA<br>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*

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| <b>On the confluence of social and spatial networks: an example of sense of community among university students</b><br>UNIVERSITY OF MANCHESTER<br>• Workshop Social Network Analysis in Transport, Presenter  | Manchester, UK<br>January 11-2011             |
| <b>Using the Q statistic to explore segregation patterns of ethnic groups</b><br>DEPT. OF ECONOMICS, UNIVERSIDADE FEDERAL DE PERNAMBUCO<br>• Invited Talk, Speaker   | Recife, Brazil<br>August 26-2010              |
| <b>Spatial pricing and the analysis of point patterns</b><br>UNIVERSIDADE FEDERAL DE PERNAMBUCO<br>• Graduate Seminar, Instructor  | Recife, Brazil<br>August 24 to 25-2010        |
| <b>Selected topics in spatial analysis</b><br>UNIVERSIDADE DE SÃO PAULO<br>• Graduate Seminar, Instructor  | São Paulo, Brazil<br>August 12 and 27-2010    |
| <b>Mobility and social exclusion: analytical framework and state of knowledge</b><br>CENTRE FOR HIP HEALTH AND MOBILITY, UNIVERSITY OF BRITISH COLUMBIA<br>• Symposium "Walk-the-Talk: Linking Research and Community on the Built Environment for Healthy Aging", Keynote Speaker | Vancouver, Canada<br>April 20-2010            |
| <b>Riding cars with seniors: Accessibility implications of mode of travel</b><br>EDINBURGH COLLEGE OF ART<br>• UK-Canada Study Tour "The Science of Age-Supportive Environments", Speaker  | Edinburgh, UK<br>March 11-2010                |
| <b>Mobility in aging: Time geography perspectives</b><br>LONDON METROPOLITAN UNIVERSITY<br>• UK-Canada Study Tour "The Science of Age-Supportive Environments", Speaker  | London, UK<br>March 10-2010                   |
| <b>Mobility and social exclusion: Results of recent research in Canada</b><br>TRANSPORT STUDIES UNIT, UNIVERSITY OF OXFORD<br>• Invited Talk, Speaker  | Oxford, UK<br>March 4-2010                    |
| <b>Social influence and the decision to telework</b><br>UNIVERSITY OF NOTTINGHAM<br>• Workshop Social Network Analysis in Transport, Speaker   | Nottingham, UK<br>March 2-2010                |
| <b>Demographic aging and sustainable transportation</b><br>DEPARTMENT DE GENIES CIVIL, GEOLOGIQUE ET DES MINES, ECOLE POLYTECHNIQUE MONTRÉAL<br>• Invited Talk, Speaker  | Montréal, Canada<br>February 18-2010          |
| <b>Positive and Normative Aspects of Accessibility Measurements</b><br>INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE-URBANISATION CULTURE SOCIÉTÉ<br>• Invited Talk, Speaker  | Montréal, Canada<br>February 16-2010          |
| <b>Social Networks and Information and Communication Technology: Implications for Activities in Real and Virtual Spaces</b><br>89TH ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD<br>• Panel Session, Panelist   | Washington, D.C., USA<br>January 13-2010      |
| <b>Selected topics in spatial analysis</b><br>UNIVERSIDADE DE SÃO PAULO<br>• Graduate Seminar, Instructor  | São Paulo, Brazil<br>August 18-2009           |
| <b>Networks and behavior</b><br>INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS<br>• Invited Talk, Speaker   | São José dos Campos, Brazil<br>August 14-2009 |
| <b>Introducing spatial analysis in transportation research</b><br>DEPT. OF TRANSPORT ENGINEERING, UNIVERSIDADE SÃO PAULO-SAO CÂRLOS<br>• Invited Talk, Speaker   | Sao Cãrlos, Brazil<br>August 6-2009           |
| <b>Elección de modos de transporte y planificación de infraestructuras</b><br>TRANSYT, UNIVERSIDAD POLITÉCNICA DE MADRID<br>• Graduate Seminar, Instructor   | Madrid, Spain<br>July 15-2009                 |
| <b>Publishing in a spatial analysis journal</b><br>ANNUAL MEETING OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS<br>• Panel Session, Panelist  | Las Vegas, USA<br>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, Spain*

*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*

## **Departmental, Faculty, University Service**

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

MEMBER

*Faculty of Science, McMaster  
University*

*September 2021-March 2022*

### **2021 CPM Committee**

MEMBER

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

*February 2022-March 2022*

### **2019 CPM Committee**

MEMBER

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

*February 2020-March 2020*

### **Graduate Committee**

MEMBER

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

*July 2019-present*

### **2018 CPM Committee**

MEMBER

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

*February 2019-March 2019*

### **Search Committee Geology Hire**

CHAIR

*School of Geography and Earth  
Sciences, McMaster University*

*June 2018-April 2019*

## **Search Committee Teaching Stream Hire**

CHAIR

## **Teaching Workload Committee**

MEMBER

## **University Librarian Search Committee**

MEMBER

## **Space Committee**

MEMBER

## **Tenure and Promotion Committee**

MEMBER

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

MEMBER

## **Building safety committee**

MEMBER

## **Space Committee**

MEMBER

## **Publicity Committee**

MEMBER

## **Search Committee Geography Hire**

MEMBER

## **Graduate Committee**

MEMBER

## **Search Committee Geography Hire**

MEMBER

*School of Geography and Earth  
Sciences, McMaster University*

*June 2017-May 2018*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2014-July 2015*

*McMaster University  
January 2013-July 2013*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2011-July 2014*

*Faculty of Science, McMaster  
University*

*July 2010-July 2013*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2010-July 2011*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2009-July 2010*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2007-July 2008*

*School of Geography and Earth  
Sciences, McMaster University*

*July 2006-July 2008*

*School of Geography and Earth  
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*School of Geography and Earth  
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