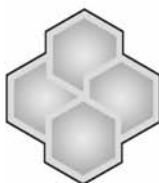


53rd Annual North American Meetings of the Regional Science Association International, Toronto 2006



THE NORTH AMERICAN REGIONAL SCIENCE COUNCIL

**Canadian Regional Science Association
l'Association canadienne des sciences regionales**



November 16-18, 2006

**2006
North American Meetings
of the
Regional Science
Association International**

53rd Annual Conference

**November 16-18, 2006
Fairmont Royal York
Toronto, ON**

WELCOME and THANKS

It is my pleasure to welcome you all to the 53rd Annual meetings of the North American Meetings of the Regional Science Association International and to Toronto, a city of neighbourhoods. You will find something for every taste here, including sporting venues (Go Leafs!), theatre and performing arts (Toronto is the 3rd largest theatre center after New York and London), and food (with Toronto being the most multicultural city in the world, food and dining is bound to be an event!). Being at the center of the city puts us in walking distance of many of these attractions. If you don't want to walk, we are close to the TTC (Toronto Transit Commission) and GO Transit (regional transportation linking Toronto to the outlying cities to its north, east, and west). Of course, you might just want to relax and enjoy the Royal York and its amenities, and of course the papers: 4 days, 146 paper sessions, and 553 papers.

I would like to thank all of those that have assisted in the construction of this program – the local arrangements and organizing committee, student volunteers, and organizers of special sessions. Such work usually only comes with professional recognition, and I value and appreciate the time of each individual who has contributed to this program. Additionally, our conference sponsors and the partnership of Infrastructure Canada in the Infrastructure Roundtable deserve thanks. Thanks to Brad Smith (MeetingSavvy) and Greg Loumeau (Dreamco) for the time and assistance they have provided. Without the conference organization software, web-based e-store, and abstract submission portal and software, the compilation of the program and conference would have taken much longer. Jean-Claude Thill and Mark Brown, of course, deserve my thanks. These two have acted as sounding board and offered their professional opinions on numerous topics. I would also like to thank the Fairmont Royal York Hotel, its staff, and particularly Sylvie Allard, Irene Butterworth, and Jocelyn O'Keefe who have helped me in planning this program, dealt with my numerous questions, and calmed my fears. Last of all, I thank you, as an attendee of this conference. After all, your attendance ensures the success of this conference and Regional Science.

Bruce Newbold
newbold@mcmaster.ca
Professor, School of Geography & Earth Sciences
McMaster University
2006 Chair, Program and Local Arrangements Committee

CONFERENCE PARTNER



Infrastructure
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Production of the Presidential Plenary Roundtable, “Infrastructure, Investment and Economic Growth and Development”, has been made possible through a financial contribution from Infrastructure Canada. NARSC gratefully acknowledges their partnership.

Canada

CONFERENCE SUPPORT

The Conference organizers graciously acknowledge the following financial support. Please see end of program for full-page ads and promotions from many of these sponsors.

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NORTH AMERICAN REGIONAL SCIENCE COUNCIL

The North American Regional Science Council (NARSC) promotes the scholarly exchange of ideas and knowledge that apply to urban and regional phenomena in North America and across the globe. The Association fosters exchange across academic disciplines and builds on the understanding that urban and regional issues are best addressed by utilizing tools, methods, and theoretical frameworks specifically designed for regional analysis, as well as concepts, procedures, and analytical techniques of the various social and other sciences. The Association organizes an annual national conference that provides a forum for interaction and discussion, and sponsors scholarly regional science journals for the dissemination of research and ideas. NARSC is an objective, scientific body without political, social, financial, or nationalistic bias.

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2006 SPECIAL SESSION ORGANIZERS

Special thanks to the following individuals who organized sessions (and sincere apologies to any names missed):

William B. Beyers, University of Washington
Ron Buliung, University of Toronto - Mississauga
David Boyce, Northwestern University
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Mark Brown, Statistics Canada
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GENERAL INFORMATION

SESSION ORGANIZATION & NAVIGATING THE PROGRAM

Find your name in the Participant Index at the back of the program to see the session numbers in which you are referenced. A map of the conference area follows the index. The program has been laid out to provide program-at-a-glance information, along with session numbering and location to aid navigation.

FIELD TRIPS

Registration for the optional pre-conference field trips may be made through the NARSC website, which allows secure on-line transactions. All field trips will depart from the lobby of the Fairmont Royal York hotel. Please ensure that you dress appropriately for the weather, and arrive in the lobby (Front Street entrance) for an on-time departure (15 minutes prior to scheduled activity).

REGISTRATION

Conference registration will be located on the second floor mezzanine. Registration will be open the following hours:

Wednesday, November 15	6:00pm – 8:30pm
Thursday, November 16	7:00am – 3:30pm
Friday, November 17	7:30am – 3:30pm
Saturday, November 18	7:30am – 12:00pm

INTERNET ACCESS

Wireless internet access is available in the public areas of the Royal York, including the Lobby and EPIC restaurant. All guest rooms also have internet access. In addition, Toronto recently turned on its wireless internet access that is available throughout the downtown core and free of charge through March, 2007. To access, follow these directions:

1. You will need a cellphone to register for and receive a username and password.
2. Using a wireless-enabled computer or PDA, open the software that controls your network connections and search for available wireless networks. When "SSID One Zone High Speed Internet" appears,
3. Open a web browser window and select the new user page. Enter in your mobile phone number. A username and password will be sent instantly to your cellphone via text message.
4. Enter the username and password into the web browser. Your login can be used by up to four people simultaneously, and is valid for free service until March.

INSTRUCTIONS TO CHAIRS & PRESENTERS

- 1.** Please adhere to the times printed in the program. Each session presentation is assigned a specific time. If you have a no-show, use the time for a discussion of the preceding paper(s) or for a recess. **Do not** shift papers to fill voids, as individuals may want to attend a particular paper.
- 2.** Each paper should be allocated 30 minutes (assuming 4 papers per session), with 20 minutes allocated for the presentation, 5 minutes for discussant, and 5 minutes for general questions and answers from the audience. A handful of sessions have 5 papers, with most of these slotted in the last slot of each day, allowing them to run to 6:00pm. Sessions with 3 papers should start at the allocated time, with 30 minutes total allocated to each (including discussant and general questions). The last 30 minutes should be used for open discussion.
- 3.** Hold each individual to the time allotted. If a speaker continues after time has expired, rise, ask those present to join you in thanking the speaker, and announce the next presentation. The audience and other speakers will respect and support your decision.
- 4.** Please be considerate of the next session by ensuring your session is completed at the appropriate time and that the room is vacated in time for the next session to set up. Our turn around time between sessions is short, so attention to timing is appreciated.

SCHEDULE OVERVIEW

Time	WED 11/15		THURS 11/16		FRI 11/17		SAT 11/17		
			Sessions	Other	Sessions	Other	Sessions	Other	
7:00 – 7:30			Registration opens (7:00am - 3:30pm)		Registration opens (7:30 am – 3:30pm)		Registration opens (7:30 am – 12:00pm)		
7:30 – 8:00									
8:00 – 8:30	Niagara Falls & Wine Country Field Trip								
8:30 – 9:00			Pres. Plenary 5	RSAI LRPC	Sessions 51-67	PRSCO	Sessions 118-131		
9:00 – 9:30									
9:30 – 10:00									
10:00 – 10:15				Coffee Break					
10:15 – 10:30									
10:30 – 11:00				Sessions 6-18		Sessions 68-82		Sessions 132-145	
11:00 – 11:30									
11:30 – 12:00									
12:15 – 1:15				Lunch	CRSA Board/ NSF	Lunch	RSAI Fellows Lunch	Awards Luncheon	
1:15 – 2:00		Toronto Walking Tour	Sessions 20-33		Sessions 85-99				
2:00 – 2:30									
2:30 – 3:15									
3:15 – 3:30				Coffee					
3:30 – 4:00				Sessions 34-47		Sessions 100-114		Sessions 147-160	
4:00 – 4:30						RSAI Council			
4:30 – 5:00				PiRS Board					
5:00 – 5:30					WRS Happy Hour	CRSA AGM			
5:30 – 6:00									
6:00 – 6:30			Registration opens (6:00pm – 8:30pm)						
6:30 – 7:00			Reception						
7:00 – 7:30		NARSC Board meeting							
7:30 – 8:00				SRSA					
8:00 – 8:30									
8:30 – 9:30			Icebreaker Reception						

PROGRAM – at – a - GLANCE

WEDNESDAY, NOVEMBER 15

1. Niagara Falls and Wine Country Tour (8:00am - 6:00pm) (Meet in Hotel Lobby)
2. Toronto Walking Tour (1:00pm - 4:15pm) (Meet in Hotel Lobby)
3. NARSC Board (6:30pm - 8:30pm) (Boardroom)
4. Icebreaker Reception (8:30pm – 9:30pm) (Alberta)

THURSDAY, NOVEMBER 16

8:00 AM-10:00 AM

5. Presidential Plenary Roundtable: Infrastructure, Investment and Economic Growth and Development (Ballroom). This Roundtable has been made possible through a financial contribution from Infrastructure Canada. Continental breakfast served from 8:00am, Roundtable starts at 8:30am.

10:15 AM - 12:15 PM

6. Amenities (Tudor 8)
7. Housing (Tudor 7)
8. Large Scale Simulation Models for Urban Sustainability I (Jasper 1)
9. Migration in the US I (Algonquin)
10. Regional Development and International Trade (Territories)
11. Rural Development I: Amenities and Growth (Whistler 1)
12. Spatial Statistics and Econometrics: Applications I (Manitoba)
13. Urban Economics I (British Columbia)
14. City Size and Distribution (Confed. 6)
15. Economic Analyses of Modal Characteristics (Montebello)
16. Population and Labor Force Issues (Banff 1)
17. Population: International Perspectives (Quebec)
18. Technology, Innovation and Regional Economic Growth and Development (Confed. 5)

12:15 PM - 1:15 PM

19. CRSA Board (Quebec)

1:15 PM - 3:15 PM

20. Commuting (Tudor 8)
22. Locational and Competitive Issues in Contemporary Industrial Production I (Confed. 5)
23. New Theoretical Perspectives on Location and Economic Development (Alberta)
24. Regional Economic Effects of Disasters I (Confed. 6)

25. Rental Markets (Tudor 7)
26. Rural Development II: Regional Development Policy Issues (Whistler 1)
27. Transport et économie régionale (Territories) (Session in French)
28. Canadian Issues in Infrastructure and Regional Economic Development (Quebec)
29. Housing: Policy (Montebello)
30. Productivity (British Columbia)
31. Spatial Statistics and Econometrics: Applications II (Manitoba)
32. Travel Demand Modeling and Activity Scheduling (Algonquin)
33. Urban Economics II (Banff 1)

3:30 PM - 5:30 PM

34. Honoring Masahisa Fujita: Theoretical New Economic Geography (Territories)
35. Interactions Between Housing and Labor Markets (Tudor 7)
36. Local and Regional Development: The Challenges of Integrating Scales to Achieve Sustainable Socio-Economic Development (Alberta)
37. Location Modeling I (Jasper 1)
38. Locational and Competitive Issues in Contemporary Industrial Production II (Confed. 5)
39. Migration Issues (Algonquin)
40. Population Projection and Models (Banff 1)
41. Regional Economic Effects of Disasters II (Confed. 6)
42. Rural Development III: International Perspectives on Regional Development (Whistler 1)
43. Spatial Statistics and Econometrics: Applications III (Manitoba)
44. Transportation (Tudor 8)
45. Housing: Pricing and Quality (Montebello)
46. Innovations in Spatial Modeling (Quebec)
47. Travel Behavior (British Columbia)

5:30 PM - 6:30 PM

48. PiRS Editorial Board meeting 5:30pm - 6:30pm (Montebello)

6:00 PM - 7:30 PM

49. Reception (Upper Canada)

7:00 PM - 8:30 PM

50. SRSA Board Meeting (Library Room)

FRIDAY, NOVEMBER 17

8:00 AM - 10:00 AM

51. Honoring Masahisa Fujita: Empirical New Economic Geography (Territories)
52. Knowledge Economy I (British Columbia)
53. Location Modeling II (Jasper 1)
54. Real Estate (Tudor 7)
55. Regional Perspectives on Exurbia I (Montebello)
56. RSAI LRPC (Yorks Deli)
57. Rural Development IV: Entrepreneurship and Innovation (Whistler 1)
58. Spatial Statistics and Econometrics: Applications IV (Manitoba)
59. Urban Structure and Urban Wages (Tudor 8)
60. Economic Development Issues in Europe (Confed. 6)
61. Environmental Issues: Pollution (Banff 1)
62. Infrastructure: Brownfields & Land Use Change (Confed. 5)
63. Local Public Finance (Quebec)
64. Migration Returns and Return Migration (Algonquin)
65. Migration, Residential Mobility and Choice (Alberta)
66. Urban Sprawl: Contemporary Issues (Confed. 3)
67. PRSCO Board Meeting (Saskatchewan)

10:15 AM - 12:15 PM

68. Arts, Culture and Regional Development (Quebec)
69. Honoring Masahisa Fujita: Local Public Economics (Territories)
70. Jane Jacobs and Economics (Confed. 3)
71. Knowledge Economy II (British Columbia)
72. Land Supply and Local Policies (Tudor 7)
73. Location Modeling III (Jasper 1)
74. Regional Perspectives on Exurbia II (Montebello)
75. Rural Development V: Financial Flows and Small Business Development (Whistler 1)
76. Spatial Statistics and Econometrics: Theory and Methods I (Alberta)
77. Economic Development Issues in the Developing World (Confed. 6)
78. Environmental Issues: Contemporary Topics (Banff 1)
79. Infrastructure: International Views (Confed. 5)
80. Migration (Tudor 8)
81. Spatial Statistics and Econometrics: Applications V (Manitoba)
82. Water and Wetlands (Algonquin)

12:15 PM - 1:15 PM

83. Funding Opportunities at the U.S. National Science Foundation (Banff 1)
84. RSAI Fellows Lunch (Richtree Market)

1:15 PM - 3:15 PM

85. Contemporary Topics in Regional Science II (Banff 1)
86. Honoring Masahisa Fujita: Urban Labor Markets (Territories)
87. Land Use and Spatial Interactions (Tudor 7)
88. Location Modeling IV (Jasper 1)
89. Neighbourhood Change in Canadian Cities (Confed. 6)
90. Spatial Statistics and Econometrics: Theory and Methods II (Alberta)
91. Transport for the 21st Century: Theory and Methods I (Algonquin)
92. Urban Evolution (Tudor 8)
93. Clusters I: The United States (Quebec)
94. Economic Development & Growth Policies I (Montebello)
95. Infrastructure: Transportation (Confed. 5)
96. Input-Output Analysis: Analytical and Empirical Issues (Confed. 3)
97. Population Issues (British Columbia)
98. Spatial Statistics and Econometrics: Applications VI (Manitoba)
99. Rural Development VI: Planning for the Agricultural and Rural Development Information System Symposium Session (Whistler 1)

3:30 PM - 5:30 PM

100. Agglomeration and its Effects (Tudor 8)
101. Honoring Masahisa Fujita: Urban modeling (Territories)
102. Large Scale Simulation Models for Urban Sustainability II (Confed. 6)
103. Migration and Immigration (Confed. 3)
104. Migration in the US II (Jasper 1)
105. Spatial Statistics and Econometrics: Theory and Methods III (Alberta)
106. Transport for the 21st Century: Theory and Methods II (Algonquin)
107. Transportation and Regional Economic Policy (Confed. 5)
108. Urban Sprawl (Tudor 7)
109. Clusters II: Culture & Amenities (Quebec)
110. Economic Development & Growth Policies II (Montebello)
111. Input-Output Analysis and CGE Models - Theoretical and Analytical Extensions (Banff 1)
112. Labor and Employment (Whistler 1)
113. Spatial Statistics and Econometrics: Applications VII (Manitoba)
114. Travel Behavior and Transportation Network Design (British Columbia)

4:00 PM - 6:00 PM

115. RSAI Council (Nova Scotia)

5:30 PM - 6:30 PM

116. WRS Happy Hour (Library Bar)
117. CRSA Annual General Meeting (Banff 1)

SATURDAY, NOVEMBER 18

8:00 AM - 10:00 AM

- 118. Assessing Regional and Urban Development Policy (Manitoba)
- 119. Creative Class or Knowledge Aristocracy? Canadian Perspectives on the Role of Human Capital in Local Economic Growth I (Confed. 3)
- 120. Honoring Masahisa Fujita: Sprawl (Territories)
- 121. Knowledge Economy III (Saskatchewan)
- 122. Local Taxation and Public Goods (Tudor 7)
- 123. Location Theory and Industrial Symbiosis: 1 (Jasper 1)
- 124. Measurement of Agglomeration (Tudor 8)
- 125. Transport for the 21st Century: Applications I (Algonquin)
- 126. Contemporary Topics in Regional Science III (Whistler 1)
- 127. Econometric Analysis - Sectoral Analyses (Banff 1)
- 128. Economic Development & Growth Policies III (Montebello)
- 129. Spatial Statistics and Econometrics: Theory and Methods IV (Alberta)
- 130. Tax and Fiscal Policy (Quebec)
- 131. Transportation and the Environment (British Columbia)

10:15 AM - 12:15 PM

- 132. Econometrics: Theory & Practice I (British Columbia)
- 133. Honoring Masahisa Fujita (Territories)
- 134. Knowledge Economy IV (Saskatchewan)
- 135. Location Theory and Industrial Symbiosis: 2 (Jasper 1)
- 136. The CREAP: A project for Canadian Regional CGE Analysis (Quebec)
- 137. The Practice of Local Economic Development (Montebello)
- 138. Tourism and Regional Science: Applications (Banff 1)
- 139. Transport for the 21st Century: Applications II (Algonquin)
- 140. Contemporary Topics in Regional Science IV (Whistler 1)
- 141. GIS Applications (Tudor 7)
- 142. Spatial Statistics and Econometrics: Theory and Methods V (Alberta)
- 143. Transportation and Land Use I (Manitoba)
- 144. Urban Economics III (Tudor 8)
- 145. Creative Class or Knowledge Aristocracy? Canadian Perspectives on the Role of Human Capital in Local Economic Growth II (Roundtable) (Confed. 3)

12:15 PM-2:45 PM

- 146. Awards Luncheon (Imperial Room)

3:00 PM - 5:00 PM

- 147. Contemporary Topics in Regional Science V (Montebello)
- 148. Econometrics: Theory & Practice II (British Columbia)

149. Honoring Masahisa Fujita: New Economic Geography (Territories)
150. Location and Economic Development (Tudor 8)
151. Rural Development VII: Factors Contributing to Decreasing Working Poor in Rural Counties: Comparative Case Studies of Outliers (Jasper 1)
152. Time Series Analysis of Regional Economies (Confed. 3)
153. Tourism and Regional Science: Theory (Banff 1)
154. Econometric Methods (Tudor 7)
155. Freight Flows, Supply Chains, and Networks (Algonquin)
156. Health (Saskatchewan)
157. Knowledge Economy V: Research and Development (Whistler 1)
158. Poverty (Quebec)
159. Spatial Statistics and Econometrics: Theory and Methods VI (Alberta)
160. Transportation and Land Use II (Manitoba)

PROGRAM

WEDNESDAY, NOVEMBER 15

8:00 AM—6:00 PM

1. Niagara Falls and Wine Country Tour (8:00am - 6:00pm) (Hotel Lobby)

Pre-registered participants only. Please meet in the hotel lobby (Front Street entrance) 15 minutes prior to departure. Dress appropriately for the weather, as portions of this trip will be outside.

1:00 PM—4:30 PM

2. Toronto Walking Tour (1:00pm - 4:15pm) (Hotel Lobby)

Pre-registered participants only. Please meet in the hotel lobby (Front Street entrance) 15 minutes prior to departure. Dress appropriately for the weather.

6:30 PM—8:30 PM

3. NARSC Board (Boardroom) By Invitation.

8:30 PM—9:30 PM

4. Icebreaker Reception (Alberta)

THURSDAY, NOVEMBER 16

8:00 AM—10:00 AM

5. Presidential Plenary Roundtable: Infrastructure, Investment and Economic Growth and Development (Ballroom). Continental breakfast served at 8:00am, Roundtable starts at 8:30am.

Chair: Pavlos Kanaroglou, McMaster University

Moderator: John R. Baldwin, Statistics Canada

Organizers: Bruce Newbold, McMaster University; Mark Brown, Statistics Canada

This roundtable discussion will focus on the links between infrastructure investment and economic growth and development at the urban, regional and national scales. A continental breakfast will be served during the Roundtable. The Presidential Plenary Roundtable has been made possible through a financial contribution from Infrastructure Canada.

Discussants:

Bill Anderson, Boston University

Andrew Haughwout, Federal Reserve Bank of New York

Margaret Hill, Infrastructure Canada

Finn Poshmann, CD Howe Institute



**Infrastructure
Canada**

10:15 AM—12:15 PM (Sessions 6 – 18)**6. Amenities (Tudor 8)****Chair:** Jeffrey Zabel, Tufts University**Organizer:** Diego Puga, Universitat Pompeu Fabra

- *Moving to Nice Weather*, Jordan Rappaport, Federal Reserve Bank of Kansas City
- *Local Amenities and Life Cycle Migration: Do People Move for Jobs or Fun?*, Stuart Rosenthal, Syracuse University; Yong Chen, Syracuse University
- *Spatial Hedonics and the Willingness to Pay for Residential Amenities*, Kenneth A Small, University of California; Seiji Steimetz, California State University at Long Beach
- *Amenity-Based Housing Affordability Indexes*, Jeffrey Zabel, Tufts University; Henry Pollakowski, MIT

Discussants:

Stuart Rosenthal, Syracuse University

Kenneth A Small, University of California

Jeffrey Zabel, Tufts University

Jordan Rappaport, Federal Reserve Bank Of Kansas City

7. Housing (Tudor 7)**Chair:** Christian A. L. Hilber, London School of Economics**Organizer:** Gilles Duranton, University of Toronto

- *The Effects of Low Income Housing Units on Neighborhoods*, Nathaniel Baum-Snow, Brown University; Justin Marion, UC Santa Cruz
- *Office Space Supply Restrictions in Britain: The Political Economy of Market Revenge*, Paul Cheshire, London School of Economics; Christian A. L. Hilber, London School of Economics
- *The Price and Quantity of Land in the United States*, Morris Davis, University of Wisconsin; Jonathan Heathcote, Georgetown
- *Explaining the Black-White Homeownership Gap*, Christian A. L. Hilber, London School of Economics; Yingchun Liu, Fannie Mae

Discussants:

Paul Cheshire, London School of Economics

Morris Davis, University of Wisconsin

Christian A. L. Hilber, London School of Economics

Nathaniel Baum-Snow, Brown University

8. Large Scale Simulation Models for Urban Sustainability I (Jasper 1)**Chair:** Hanna Maoh, McMaster University**Organizer:** Hanna Maoh, McMaster University

- *Integrating Activity Travel Behaviour Research into Policy Decisions: A Research Communication Initiative*, Matthew Roorda, University of Toronto; Marianne Hatzopoulou, University of Toronto; Martin Lee-Gosselin, Université Laval

- *Bridging the Gap between Modeling and Decision-Making: A Framework for Assessing the Sustainability of Land-Use and Transport Policies in the GTA*, Marianne Hatzopoulou, University of Toronto; Eric J. Miller, University of Toronto
- *Modeling Sustainability in Canadian Cities with Integrated Urban Models: an Application to Hamilton, Ontario and Halifax, Nova Scotia*, Hanna Maoh, McMaster University; Pavlos Kanaroglou, McMaster University
- *A Policy Simulation Framework for Analyzing Elderly Transport Mobility Issues: An Application to the Hamilton Census Metropolitan Area (CMA)*, Ruben Mercado, McMaster University; Hanna Maoh, McMaster University; Antonio Páez, McMaster University; Pavlos Kanaroglou, McMaster University; Darren Scott, McMaster University; Bruce Newbold, McMaster University

Discussants:

Ruben Mercado, McMaster University
 Hanna Maoh, McMaster University
 Marianne Hatzopoulou, University of Toronto
 Matthew Roorda, University of Toronto

9. Migration in the US I (Algonquin)

Chair: David A. Plane, University of Arizona

- *Dynamic Analysis on the Spatial Structure of Interregional Migration Between Metropolitan Areas in the US (1984-2004)*, Jaewon Lim, Regional Economics Applications Laboratory (REAL); Jaewon Lim, Regional Economics Applications Laboratory (REAL),
- *Distance, Difference, and the Other Determinants of Migration.*, Douglas J. Krupka, Georgia State University; William J. Smith, Georgia State University
- *The Patterns and Repercussions of Age-Articulated Migration Up and Down the U.S. Urban Hierarchy*, David A. Plane, University of Arizona; Jason R. Jurjevich, University of Arizona
- *Wages Differentials and Interregional Migration in the U.S.: an Empirical Test of the “Option Value of Waiting” Theory*, Roberto Basile, ISAE; Jaewon Lim, Regional Economics Applications Laboratory (REAL),

Discussants:

Diana Ky Mok, The University of Western Ontario
 Jaewon Lim, Regional Economics Applications Laboratory (REAL),
 Lisa A Fowler, George Mason University
 David A. Plane, University of Arizona

10. Regional Development and International Trade (Territories)

Chair: Mark Brown, Statistics Canada

Organizers: Sebastien Breau, McGill University; Mark Brown, Statistics Canada

- *Trade, Industry and the Wage Gap*, Julie Silva, University of Florida; Robin Leichenko, Rutgers University
- *The Impact of Trade and Geographic Market Access on Plant Scale, Production-Run Length and Product Diversity*, Mark Brown, Statistics Canada; John R. Baldwin, Statistics Canada

- *Plant Productivity, Learning-by-Exporting and Self-selection in Southern California, 1987-97*, Sebastien Breau, McGill University
- *The Emergence of North American Cross-border Regions*, André Downs, Policy Research Initiative

Discussants:

Bill Anderson, Boston University
Julie Silva, University of Florida
Bill Anderson, Boston University
Sebastien Breau, McGill University

11. Rural Development I: Amenities and Growth (Whistler 1)

Chair: Steven C. Deller, University of Wisconsin--Madison

Organizers: Peter V Schaeffer, West Virginia University; Stephan Weiler, Colorado State University

- *Spatial Variations in the Determinants of Migration of Older Persons*, Steven C. Deller, University of Wisconsin--Madison; Tomas Jensen, University of Wisconsin Madison
- *Asset Mapping for Rural Regions*, Tony Fuller, University of Guelph
- *Rural Growth as a Creative Enterprise*, David McGranahan, ERS USDA; Timothy R Wojan, USDA ERS; Dayton S Lambert
- *Amenities, Local Conditions, and Fiscal Determinants of Factor Growth in Rural America*, Eric Thompson, University of Nebraska Lincoln

Discussants:

Tony Fuller, University of Guelph
David McGranahan, ERS USDA
Eric Thompson, University of Nebraska Lincoln
Mark S Henry, Clemson University

12. Spatial Statistics and Econometrics: Applications I (Manitoba)

Chair: Andres Jauregui, Columbus State University

Organizer: Antonio Páez, McMaster University

- *House Prices, Mortgage Interest Rates, and Security of Legal Claim: An Investigation of Deed Types*, David M. Brasington, Louisiana State University; Robert F. Sarama, Ohio State University
- *Moving Window Approaches for Hedonic Price Estimation*, Fei Long, McMaster University; Antonio Páez, McMaster University
- *The Value of Open Space in Rural and Suburban Areas: A Spatial Hedonic Approach*, Andres Jauregui, Columbus State University; Diane Hite, Auburn University; Brent Sohngen, Ohio State University; Greg Traxler, Auburn University
- *Spatial Econometric Aspects of the Consideration of Submarkets in Hedonic House Price Models*, Luc Anselin, University of Illinois; Nancy Lozano, University of Illinois Urbana Champaign

Discussants:

Fei Long, McMaster University
Luc Anselin, University of Illinois

David M. Brasington, Louisiana State University
Andres Jauregui, Columbus State University

13. Urban Economics I (British Columbia)

Chair: Christophe Ribichesi, University of Quebec

- *Location Determinants of Food Manufacturing Investment Flows*, Dayton M. Lambert, University of Tennessee; Kevin T McNamara, Purdue University; Megan Beeler, Agracel Inc
- *Location Choice and Optimal Zoning under Cournot Competition*, Chin-Sheng Chen, National Taiwan University; Fu-Chuan Lai, National Taipei University
- *Integration, Agglomeration and Specialization: The Role of Factor Mobility.*, Christophe Ribichesi, University of Quebec

Discussants:

Chin-Sheng Chen, National Taiwan University
Dayton M. Lambert, University of Tennessee
Geoffrey J.D. Hewings, University of Illinois

14. City Size and Distribution (Confederation 6)

Chair: Sergio J. Rey, San Diego State University

- *Urban Growth in the European Union*, Maarten E. Bosker, Utrecht University; Gerard Marlet, Utrecht University; Clemens Van Woerkens, Utrecht University
- *Changing Frontiers and Urban Hierarchies : Zipf's Law in the Balkans*, Alexandra Schaffar, IREMIA - DEAL University of La Reunion; Michel Dimou, University of Reunion
- *Theory and Empirical Tests on Property Tax and City Sizes for the U.S. Cities*, Yan Song, UNC-Chapel Hill; Yves Zenou, Research Institute of Industrial Economics
- *Exploring Spatial Dynamics in City Size Distributions*, Sergio J. Rey, San Diego State University; Xinyue Ye, San Diego State University

Discussants:

Sergio J. Rey, San Diego State University
Qing Su, Kent State University
Jan Brueckner, UC Irvine
Tatsuhiko Kawashima, Gakushuin University

15. Economic Analyses of Modal Characteristics (Montebello)

Chair: Sudhir K. Thakur, California State University Sacramento

Organizer: David Boyce, Northwestern University

- *An Economic Analysis of Segregating Cars and Trucks*, André De Palma, University of Cergy-Pontoise and Ecole Nationale d; Moez Kilani, Université du Centre de Sousse; Robin C. Lindsey, University of Alberta
- *Economic Welfare and Public Policy Relating to Vehicle Information and Communication System*, Hiroaki Miyoshi, Doshisha University
- *Evaluation of the Effectiveness of Real-Time Bus Information Systems*, Lei Tang; Piyushimata Thakuriah, University of Illinois Chicago

- *Spatial Equilibrium of Taxi Spot Markets and Social Welfare*, Kakuya Matsushima, Kyoto Univ.; Kiyoshi Kobayashi, Kyoto Univ.

Discussants:

Lei Tang
 Sudhir K. Thakur, California State University Sacramento
 Kakuya Matsushima, Kyoto Univ.
 Robin C. Lindsey, University of Alberta

16. Population and Labor Force Issues (Banff 1)

Chair: Curtis J. Simon, Clemson University

- *The Effect of Spatial Dependence in Economic Opportunity on the Internal Migration of Unemployed Households in the U.S.*, Edmund J. Zolnik, George Mason University
- *The Aging of the Labour Force and Regional Development*, Ronald W. McQuaid, Napier University
- *Unemployment Duration and Job Accessibility*, Détang-Dessendre Cécile, INRA; Carl Gaigné, INRA-ESR Rennes
- *Family Migration and Labor Market Outcomes: A Panel Investigation*, Harminder Battu, University of Aberdeen

Discussants:

Curtis J. Simon, Clemson University
 Khandker M N Habib, University of Toronto
 Dimitris Ballas, University of Sheffield
 Ronald W. McQuaid, Napier University

17. Population: International Perspectives (Quebec)

Chair: Matloob E. Piracha, University of Kent

- *The Role of Regional Competition for Demography and Regional Disparities in Germany*, Alina M. Popescu, University of the Federal Armed Forces Munich; Florian W. Bartholomae, University of the Federal Armed Forces Munich
- *Remittances, Institutions and Economic Growth*, Matloob E. Piracha, University of Kent
- *The Great Escape? Migration and labour market outcomes in Australia*, Anthea I. Bill, University of Newcastle; William F. Mitchell, University of Newcastle (Australia)
- *Population and Zipf's Law in Colombia and the Colombian Caribbean Coast, 1912-1993*, Javier Perez, Banco de la Republica

Discussants:

Javier Perez, Banco de la Republica
 Justin D. Ryan, McMaster University
 Jun Zhang, University of Minnesota
 Anthea I. Bill, University of Newcastle

Thursday, November 16

10:15am – 12:15pm

12:15pm – 1:15pm

1:15pm – 3:15pm

**18. Technology, Innovation and Regional Economic Growth and Development
(Confederation 5)**

Chair: Corinne Autant-Bernard, University of Saint-Etienne

Organizer: Richard J. Difrancesco, University of Toronto

- *The Role of Human Capital and Technological Interdependence in Growth and Convergence Processes: International Evidence*, Cem Ertur; Wilfried Koch
- *Innovation and Market Structure in Presence of Spillover Effects*, Gamal Atallah, Assistant Professor-University of Ottawa; Massoud Khazabi, University of Ottawa
- *The Determinants of the Location of Foreign Direct Investment in UK Regions*, Dimitra Dimitropoulou, University of Reading; Simon Burke, University of Waikato
- *Firm Innovation Strategies: A Spatial Multinomial Probit Approach*, Corinne Autant-Bernard, University of Saint-Etienne; James Lesage, Texas State University - San Marcos; Olivier Parent, University of Cincinnati

Discussants:

Luis A. Galvis, University of Illinois at Urbana-Champaign

Firouz Fallahi, University of Ottawa

Corinne Autant-Bernard, University of Saint-Etienne

Dimitra Dimitropoulou, University of Reading

12:15 PM—1:15 PM

19. CRSA Board (Quebec) By Invitation.

1:15 PM—3:15 PM (Sessions 20 – 33)

20. Commuting (Tudor 8)

Chair: Jos N. Van Ommeren, Vrije Universiteit Amsterdam

Organizer: Diego Puga, Universitat Pompeu Fabra

- *A Model of Residential Location Choice with Endogenous Housing Prices and Traffic for the Paris Region*, André De Palma, University of Cergy-Pontoise and Ecole Nationale d; Kiarash Motamedi, University of Cergy-Pontoise; Nathalie Picard, University of Cergy-Pontoise and INED; Paul Waddel, University of Washington
- *Unemployment and Commuting in a Spatial Labor Market with Search*, Jan Rouwendal, Free University; Thomas De Graaff, Vrije Universiteit Amsterdam
- *Congestion Pricing: Long-Term Economic and Land-Use Effects*, Elena Safirova, Resources for the Future; Sebastien Houde, Resources for the Future; D. Abram Lipman, Resources for the Future; Winston Harrington, Resources for the Future; Andrew Baglino, Resources for the Future
- *Commuting and Spatial Structure*, Jos N. Van Ommeren, Vrije Universiteit Amsterdam; Wouton Vermeulen, Free University

Discussants:

Jan Rouwendal, Free University

Elena Safirova, Resources for the Future
Jos N. Van Ommeren, Vrije Universiteit Amsterdam
André De Palma, University of Cergy-Pontoise and Ecole Nationale

22. Locational and Competitive Issues in Contemporary Industrial Production I (Confederation 5)

Chair: John N.H. Britton, University of Toronto

Organizers: Alan MacPherson, SUNY at Buffalo; John N.H. Britton, University of Toronto

- *The Role of Location in Performing Arts Organizations' Marketing Strategy*, Christine A. Lai, SUNY Buffalo; Jessie Poon, University at Buffalo
- *A GIS Approach to the Icelandic Fisheries' Global Value Chain Study.*, Emil Boasson, Ithaca College School Of Business; Vigdis Boasson, Ithaca College School Of Business
- *The growth dynamics of U.S. firms in the industrial design sector.*, Alan MacPherson, SUNY at Buffalo; Vida Vanchan, SUNY At Buffalo
- *Human Capital in Canadian Manufacturing: Challenges in a Competitive Environment*, Ronald Kalafsky, University of Tennessee

Discussants:

Vigdis Boasson, Ithaca College School Of Business
David J. Pritchard, University at Buffalo - SUNY
John N.H. Britton, University of Toronto
Jessie Poon, University at Buffalo

23. New Theoretical Perspectives on Location and Economic Development (Alberta)

Chair: Wilbur R Maki, University of Minnesota

Organizer: Mark Brown, Statistics Canada

- *Site and Situation: An Economic Interpretation*, Leslie Curry
- *City Size, Taste Heterogeneity and Trade Openness*, Mauricio Ramirez, The Ohio State University
- *Adding Geography to the New Economy Geography*, Maarten E. Bosker, Utrecht University; Steven Brakman, University of Groningen; Harry Garretsen, Utrecht University; Marc Schramm, Utrecht University

Discussants:

Mauricio Ramirez, The Ohio State University
Brian J. Osoba, University of Texas at El Paso
Leslie Curry

24. Regional Economic Effects of Disasters I (Confederation 6)

Chair: Stephanie E. Chang, University of British Columbia

Organizers: Stephanie E. Chang, University of British Columbia; Yasuhide Okuyama, JST

- *On the Optimal Design of Disaster Insurance in a Federation*, Timothy J. Goodspeed, City University of New York; Andrew Haughwout, Federal Reserve Bank Of New York

- *Modeling Urban Recovery from Disaster*, Stephanie E. Chang, University of British Columbia; Scott B. Miles, Eco Resource Group
- *Measuring Economic Impact of a Disaster in Industrial Sectors: How to aggregate industrial losses across sectors in the regional economy?*, Hirokazu Tatano, Kyoto University; Kazuyoshi Nakano, Kyoto University; Toshio Fujimi, Kyoto University; Satoshi Tsuchiya, Nagaoka University of Technology
- *Businesses Return or Not: The Economic Impacts of Katrina Disaster on New Orleans*, Nina S. Lam, Louisiana State University; R. Kelley Pace, Louisiana State; Richard Campanella, Tulane University

Discussants:

Shinichi Muto, Osaka Institute of Technology
 Hirokazu Tatano, Kyoto University
 Yasuhide Okuyama, JST
 Stephanie E. Chang, University of British Columbia

25. Rental Markets (Tudor 7)

Chair: Etienne Wasmer, UQAM et IEP Paris

Organizer: Gilles Duranton, University of Toronto

- *Real Effects of Exchange Rate Movements in U.S. dollar denominated Israeli Rents*, David Genesove, Hebrew University of Jerusalem
- *The Differences in Financial, Mortgage, and Real Estate Market Knowledge between African American and White Renters and Homeowners*, Donald R. Haurin, Ohio State University; Hazel Morrow-Jones, Ohio State University
- *Do Courts Matter? Rental Markets and the Law*, Albert Saiz, University of Pennsylvania; Pablo Casas-Arce, Universitat Pompeu Fabra
- *Tenant's Eviction and Discrimination in the French Housing Market: An Empirical Strategy*, Etienne Wasmer, UQAM et IEP Paris; Francis Kramarz, CREST

Discussants:

Donald R. Haurin, Ohio State University
 Albert Saiz, University of Pennsylvania
 Etienne Wasmer, UQAM et IEP Paris
 David Genesove, Hebrew University of Jerusalem

26. Rural Development II: Regional Development Policy Issues (Whistler 1)

Chair: Katherine C Chalmers, California State University--Sacramento

Organizers: Peter V Schaeffer, West Virginia University; Stephan Weiler, Colorado State University

- *Public Interest vs. Public Choice Optima in the Provision of Economic Development Incentives*, Katherine C Chalmers, California State University--Sacramento
- *Risk Premia for Brownfield Development*, Emily Bonner, Colorado State University
- *Conflict at The Urban Fringe: Residential Development in Shelby and Woodford Counties, KY*, David Freshwater, University of Kentucky

- *Constructing a Human Development Index: Theoretical and Empirical Considerations*, David Hughes, Clemson University

Discussants:

David Hughes, Clemson University
David Freshwater, University of Kentucky
Emily Bonner, Colorado State University
Katherine C Chalmers, California State University--Sacramento

27. Transport et économie régionale (Territories)

Chair: Pierre-Marcel Desjardins, Université De Moncton

Organizer: Pierre-Marcel Desjardins, Université De Moncton

A focus on transportation questions as they related to regional economies. The session will take place in french.

- *Internationalisation du local : le rôle des grandes infrastructures de transport*, Walid Chatti, IHEC de Sfax et USTL
- *Prévoir la demande de transport urbain pour une ville chinoise en 2050*, Stephanie Souche
- *Le financement des pme au Canada atlantique*, Yves Bourgeois, Institut canadien de recherche en politiques publi; Pierre-Marcel Desjardins, Université De Moncton
- *Mobilisation de capital social devant les défis territoriaux : leçons tirées du territoire rural Neguac - Alnwick , N.-B. Canada*, Omer Chouinard, Université de Moncton

Discussants:

Yves Bourgeois, Institut canadien de recherche en politiques publi
Pierre-Marcel Desjardins, Université De Moncton
Omer Chouinard, Université de Moncton
Pierre-Marcel Desjardins, Université De Moncton

28. Canadian Issues in Infrastructure and Regional Economic Development (Quebec)

Chair: Anneliese L. Vance, University at Buffalo

- *Income Inequality in Canadian Provinces and Territories*, Massoud Khazabi, University of Ottawa
- *Poverty Dynamics in Canadian Communities: A Place-Based Approach*, Mengisteab Buru Chokie, University of Saskatchewan; Mark D. Partridge, Ohio State University
- *Spatial Analysis of Municipal Water Use in Canada*, Maria Plotnikova, Strathclyde University; Chokri Dridi, University of alberta
- *Public Employment and Training Service Delivery in Remote and Largely Aboriginal Regions: an examination of the spatial effects of the 'new public management' approach to public service delivery.*, Richard J. Difrancesco, University of Toronto; Andrey Petrov, U Of T

Discussants:

Mengisteab Buru Chokie, University of Saskatchewan

Guy Gellatly, Statistics Canada
Roger White, Memorial University
Maria Plotnikova, Strathclyde University

29. Housing: Policy (Montebello)

Chair: Michael P Johnson, Carnegie Mellon University

- *Practitioner-Motivated Planning Models for Urban Affordable Housing Development*, Michael P Johnson, Carnegie Mellon University; Meredith Fisher, Carnegie Mellon University; Sung-Hee Kim, Carnegie Mellon University
- *How about the Influence of Neighbourhoods in Urban Segregation? Some Evidence in the Paris Metropolitan Area*, Rachel Guillain, Université de Bourgogne; Julie Le Gallo, CRESE
- *Can Housing Mobility Programs Make a Long-Term Impact on the Lives of Poor Families and the Health of Middle-Class Communities: A Policy Simulation*, Michael P Johnson, Carnegie Mellon University; Jonathan Caulkins, Carnegie Mellon University
- *Are Homeowners Associations Complements or Substitutes to Municipal Zoning?*, William Rogers, University of Missouri Saint Louis

Discussants:

Paul E. Thorsnes, University of Otago
Hubert Jayet, Medee-equipe
William Rogers, University of Missouri Saint Louis
Paul A Coomes, University of Louisville

30. Productivity (British Columbia)

Chair: Anne Grace Gongwe, Colorado State University

- *Measuring the Impact of Investment Climate on Total Factor Productivity: The Cases of China and Brazil*, Uma Subramanian, World Bank Investment Climate Department; Bill Anderson, Boston University; Kihoon Lee, World Bank Investment Climate Department
- *Productivity and Firm Selection: Intra-National vs Inter-National Trade*, Gregory Corcos, PSE; Massimo Del Gatto, University of Cagliari; Giordano Mion, CORE-UCL; Gianmarco Ottaviano, University of Bologna
- *Economic Impact of Agglomeration economies on productivity, wage rate and tax revenue in Northern Colorado.*, Anne Grace Gongwe, Colorado State University; Harvey Cutler, Colorado State University

Discussants:

Anne Grace Gongwe, Colorado State University
John M. Quigley, University of California
Gregory Corcos, PSE

31. Spatial Statistics and Econometrics: Applications II (Manitoba)

Chair: Irene Casas, University at Buffalo

Organizer: Antonio Páez, McMaster University

- *Continuous Time Regional Dynamics: Economic Foundation, Stability Properties and Policy Implication*, Giuseppe Arbia, University of Chieti ; Kieran Donaghy, Urban & Regional Planning UIUC
- *The spatial effects in China's regional income convergence*, Dong Guo; Patricio Aroca, Universidad Catolica del Norte; Geoffrey J.D. Hewings, University of Illinois
- *The European Regional Growth Process Revisited: Increasing Returns and Spatial Dynamic Setting*, Sandy Dall Erba, University of Illinois At Urbana Champaign; Marco Percoco, Università Bocconi; Gianfranco Piras, University of Illinois
- *A Spatial Model of Economic Growth*, Zuoquan Zhao, Max Planck Institute of Economics

Discussants:

Dong Guo

Sandy Dall Erba, University of Illinois at Urbana Champaign

Zuoquan Zhao, Max Planck Institute of Economics

Giuseppe Arbia, University of Chieti

32. Travel Demand Modelling and Activity Scheduling (Algonquin)

Chair: Kara M Kockelman, University of Texas at Austin

Organizer: Kara M Kockelman, University of Texas at Austin

- *A Comprehensive Econometric Micro-simulator for Daily Activity-travel Patterns (CEMDAP): Design, Validation, and Evaluation as a Policy Analysis Tool*, Abdul Rawoof Pinjari, The University of Texas at Austin; Naveen Eluru, The University of Texas at Austin; Jessica Y. Guo, University of Wisconsin-Madison; Sivaramakrishnan Srinivasan, University of Florida; Rachel Copperman, The University of Texas at Austin; Ipek N. Sener, The University of Texas at Austin; Chandra R. Bhat, The University of Texas at Austin
- *A Microsimulation Assignment Model for Transit Demand Analysis*, Mohamed Wahba, University of Toronto; Amer Shalaby, University of Toronto
- *Urban Form and Trip Chaining Behaviour of Older People*, Robert Noland, Imperial College London; Jan-Dirk Schmöcker, Imperial College London; Michael G H Bell, Imperial College London
- *Mobility of Canadian Elderly: Multilevel Analysis of Distance Traveled in the Hamilton CMA, Ontario, Canada*, Ruben Mercado, McMaster University; Antonio Páez, McMaster University

Discussants:

Robert Noland, Imperial College London

Abdul Rawoof Pinjari, The University of Texas at Austin

Khandker M N Habib, University of Toronto

Clarence Woudsma, University of Waterloo

33. Urban Economics II (Banff 1)

Chair: Barney Warf, Florida State University

- *A Differential Game Theoretic Analysis of International Trade in Renewable Resources*, Amitrajeet Batabyal, Rochester Institute of Technology; Hamid Beladi, University of Texas at San Antonio
- *Pricing of Delivery Services with Generalized Demand*, Charles A Ingene, University of Mississippi; Amiya Basu, Syracuse University; Tridib Mazumdar, Syracuse University
- *Experiments in Spatial Representation and Geographic Information Loss*, Nikolaos W. Yiannakoulis, University of Alberta; John Hodgson, University of Alberta
- *Religious Diversity Across the North American Urban System*, Barney Warf, Florida State University

Discussants:

Charles A Ingene, University of Mississippi
Nikolaos W. Yiannakoulis, University of Alberta
Dirk Stelder, University of Groningen
Christophe Ribichesi, University of Quebec

3:30 PM—5:30 PM (Sessions 34 – 47)

34. Honouring Masahisa Fujita: Theoretical New Economic Geography (Territories)

Chair: Marcus Berliant, Washington University in St. Louis

Organizers: Marcus Berliant, Washington University in St. Louis; Gilles Duranton, University of Toronto

- *Integration, Firm Selection and the Costs of Non-Europe*, Gianmarco Ottaviano, University of Bologna; Massimo Del Gatto, University of Cagliari; Giordano Mion, CORE-UCL
- *Economic Geography with Tariff Competition*, Takatoshi Tabuchi, University of Tokyo; Chao-Cheng Mai, Tamkang University; Shin-Kun Peng, Academia Sinica
- *Location of Industry and Market Size in a World of Imperfect Capital Mobility*, Kazuhiro Yamamoto, Osaka University
- *Can Information Asymmetry Cause Agglomeration?*, Marcus Berliant, Washington University in St. Louis; Fan-Chin Kung, City University of Hong Kong

Discussants:

Takatoshi Tabuchi, University of Tokyo
Kazuhiro Yamamoto, Osaka University
Marcus Berliant, Washington University in St. Louis
Gianmarco Ottaviano, University of Bologna

35. Interactions Between Housing and Labour Markets (Tudor 7)

Chair: Giorgio Topa, Federal Reserve Bank of New York

Organizer: Gilles Duranton, University of Toronto

- *Housing Tenure and Labor Market Impacts: The Search Goes On*, Edward Coulson, Penn State University; Lynn Fisher, MIT
- *How does Residence Matter When Looking for a Job in Greater Paris?*, Laurent Gobillon, Institut National d'Etudes Demographiques (INED); Thierry Magnac, Université des Sciences Sociales in Toulouse - IDEI; Harris Selod, Institut National de la Recherche Agronomique (INRA)
- *Spatial Mismatch and Urban Labor Markets in the United States: Evidence for Blacks, Immigrants and Hispanics*, Janet Kohlhase, University of Houston; Jia-Huey Lin, University of Houston
- *Place of Work and Place of Residence: Informal Hiring Networks and Labor Market Outcomes*, Giorgio Topa, Federal Reserve Bank of New York; Stephen L. Ross, University of Connecticut; Patrick Bayer, Yale University

Discussants:

Laurent Gobillon, Institut National d'Etudes Demographiques (INED)
 Janet Kohlhase, University of Houston
 Giorgio Topa, Federal Reserve Bank of New York
 Edward Coulson, Penn State University

36. Local and Regional Development: The Challenges of Integrating Scales to Achieve Sustainable Socio-Economic Development (Alberta)

Chair: Christopher Bryant, Université de Montréal

Organizers: Christopher Bryant, Université de Montréal; J. Dagoberto Acevedo, Université de Montréal

- *Local Governments and Economic Growth in Canada: The Need for Decentralization*, Jean-Philippe Meloche, Université de Montréal
- *Analysis of Changing Regional Economic Differences in Xinjiang Province 1949-2005*, Abulajiang Sulaiman, Université de Montréal
- *Local Culture and Local Development in the Rural Fringes of Montpellier and Montreal*, Mélanie Doyon, Université de Montréal
- *Official Linguistic Minority Communities in Canada in Remote Rural Regions*, Christopher Bryant, Université de Montréal
- *Land Commoditization in Mexico: A Necessary Condition for Improving the Efficiency of Production Systems?*, J. Dagoberto Acevedo, Université de Montréal

Discussants:

Pierre Desrochers, U of T at Mississauga
 Jean-Philippe Meloche, Université de Montréal
 Jean-Philippe Meloche, Université de Montréal
 Jean-Philippe Meloche, Université de Montréal
 Pierre Desrochers, U of T at Mississauga

37. Location Modeling I (Jasper 1)

Chair: Morton E. O'Kelly, Ohio State University

Organizers: Timothy Matisziw, Ohio State University; Tony H. Grubestic, Indiana University

- *Analyzing Vulnerability: Systems Reliability Under Attack*, Rick Church, University of California At Santa Barbara; Maria P. Scaparra, Kent Business School
- *Comparative Approaches for Assessing Network Performance and Vulnerability*, Tony H. Grubestic, Indiana University; Timothy Matisziw, Ohio State University; Alan Murray, Ohio State University
- *Network Links and Flow Transfers at Hubs*, Morton E. O'Kelly, Ohio State University
- *Reducing Model Complexity in the Search for Vital Network Facilities*, Timothy Matisziw, Ohio State University; Alan Murray, Ohio State University

Discussants:

Ningchuan Xiao, Ohio State University
 Mark Horner, Florida State University
 Elif Tokar Erdemir, SUNY at Buffalo
 Rick Church, University of California At Santa Barbara

38. Locational and Competitive Issues in Contemporary Industrial Production II (Confederation 5)

Chair: Alan MacPherson, SUNY at Buffalo

Organizers: Alan MacPherson, SUNY at Buffalo; John N.H. Britton, University of Toronto

- *Strategic Responses of Canadian and U.S. Exporters to Increased U.S. Border Security Measures: A Firm-Level Analysis*, Anneliese L. Vance, University at Buffalo
- *The Geography of Knowledge Spillovers: Tracking Knowledge Flows Over Time and Across Geographical Boundaries*, Dieter Franz Kogler, University of Toronto
- *Corporate Sustainability: Doing Well by Doing Good?*, Vigdis Boasson, Ithaca College School Of Business; Emil Boasson, Ithaca College School Of Business
- *The launch process for the Bombardier C-Series regional jet: implications for Canadian trade and employment*, David J. Pritchard, University at Buffalo - SUNY

Discussants:

John N.H. Britton, University of Toronto
 Ronald Kalafsky, University of Tennessee
 Alan MacPherson, SUNY at Buffalo
 Emil Boasson, Ithaca College School Of Business

39. Migration Issues (Algonquin)

Chair: Larry Bourne, University of Toronto

- *Economic Fluctuations, Supply of Labour and Earnings: Examining the Differences Between Two Cohorts of Immigrants in Canada*, Diana Ky Mok, The University of Western Ontario
- *A Meta-analysis of Empirical Evidence on the Labour Market Impact of Immigration*, Simonetta Longhi, University of Essex; Peter Nijkamp, Free University; Jacques Poot, University of Waikato

- *Understanding Inter-generational Consumption Patterns: A Case Study of the South East Queensland Region, Australia*, Prem Chhetri, The UQ Social Research Centre; Robert J. Stimson, University of Queensland; John Western, The UQ Social Research Centre
- *Who Stays and Who Goes? Onward Emigration to the United States by Canadian Immigrants Between 1995 and 2000*, Karen King, McMaster University; Bruce Newbold, McMaster University

Discussants:

Jeremiah Allen, University of Lethbridge
 Kevin J. Konty, NYC DOHMH
 Jan Flora
 Satu Nivalainen, Pellervo Economic Research Institute

40. Population Projection and Models (Banff 1)

Chair: Roger White, Memorial University

- *Impacts of Demographic Changes in the Chicago Region*, Sang Gyoo Yoon, Bank of Korea; Geoffrey J.D. Hewings, University of Illinois
- *Population Synthesis: Comparing the Major Techniques Using a Small, Complete Population of Firms.*, Justin D. Ryan, McMaster University; Hanna Maoh, McMaster University; Pavlos Kanaroglou, McMaster University
- *Modeling Dynamic Interactions between Population and Employment in Metropolitan Areas*, Sumei Zhang, The Ohio State University; Jean-Michael Guldmann, Ohio State University
- *Spatially Detailed Population Predictions Using a Variable Grid Cellular Automaton Model*, Roger White, Memorial University

Discussants:

Alina M. Popescu, University of the Federal Armed Forces Munich
 Lawrence Brown, Ohio State University
 Harminder Battu, University of Aberdeen
 Anthea I. Bill, University of Newcastle

41. Regional Economic Effects of Disasters II (Confederation 6)

Chair: Yasuhide Okuyama, JST

Organizers: Stephanie E. Chang, University of British Columbia; Yasuhide Okuyama, JST

- *Spatial CGE Analysis for Economic Damage Assessment of Disasters: Application Results and Summary of Issues*, Taka Ueda, University of Tokyo; Atsushi Koike, Tottori University
- *Socio-Economic Impacts of an Unscheduled Event: A Case in Korea*, Seongkwan Mark Lee, University of Illinois at Urbana-Champaign; Jong Sung Lee, University of Illinois at Urbana-Champaign; Tschangho John Kim, University of Illinois
- *Economic Modeling for Disaster Impact Analysis: Past and Future*, Yasuhide Okuyama, JST

- *CGE Model for Assessment of Disaster Damage to Urban Economy*, Shinichi Muto, Osaka Institute of Technology; Taka Ueda, University of Tokyo; Atsushi Koike, Tottori University

Discussants:

Nina S. Lam, Louisiana State University
 Atsushi Koike, Tottori University
 Taka Ueda, University of Tokyo
 Andrew Haughwout, Federal Reserve Bank Of New York

42. Rural Development III: International Perspectives on Regional Development (Whistler 1)

Chair: Stephan Weiler, Colorado State University

Organizers: Peter V Schaeffer, West Virginia University; Stephan Weiler, Colorado State University

- *Immigration and Rural Development*, Hendrik Van den Berg, University of Nebraska, Lincoln
- *State and Neighborhood Effects: A Nonparametric Analysis of Regional Unemployment in Europe and North America*, Vincenzo Spiezia, OECD; Jose Enrique Garcilazo, The University of Texas at Austin
- *Regional Beveridge Curves and Rural/Metro Labor Market Efficiency*, Steve Shulman; Martin L Shields, Penn State University
- *Quebec Rural Policy: A Territorial Approach Linking Social Capacity with Economic Development*, Christine Gosselin, Quebec Gouvernement
- *Deconstructing Regional Growth Across OECD Countries*, Vincenzo Spiezia, OECD; Stephan Weiler, Colorado State University

Discussants:

Martin L Shields, Penn State University
 Steve Shulman
 Vincenzo Spiezia, OECD
 Christine Gosselin, Quebec Gouvernement
 Hendrik Van den Berg, University of Nebraska, Lincoln

43. Spatial Statistics and Econometrics: Applications III (Manitoba)

Chair: Abdul Rawoof Pinjari, The University of Texas at Austin

Organizer: Antonio Páez, McMaster University

- *In Search of Intrinsic Attitudes and their Influence on Travel, Activity, and Location Choices*, Joan Walker, Boston University; Patricia L. Mokhtarian, University of California at Davis; Tim Schwanen, Utrecht University
- *Housing Market Segmentation in the U.S. Metropolitan Areas*, Sungsoon Hwang, DePaul University; Jean-Claude F Thill, Univ. of North Carolina at Charlotte
- *A GIS-Based Regional Approach to Studying ICT in Marginalized Communities: Case Study of “Eduardo Santos Neighborhood”, Cali – Colombia*, Irene Casas, University At Buffalo
- *Moving Toward a Disaggregate Spatial Configuration in Activity-Travel Micro-Simulation Models: An Empirical Assessment using CEMDAP (Comprehensive Econometric Micro-simulator for Daily Activity-travel)*, Naveen Eluru, The

University of Texas at Austin; Abdul Rawoof Pinjari, The University of Texas at Austin; Rachel Copperman, The University of Texas at Austin; Sivaramakrishnan Srinivasan, University of Florida; Jessica Y. Guo, University of Wisconsin-Madison; Ipek N. Sener, The University of Texas at Austin; Chandra R. Bhat, The University of Texas at Austin

Discussants:

Irene Casas, University At Buffalo
 Joan Walker, Boston University
 Sharon I O Donnell, Baylor College of Medicine
 Sungsoon Hwang, DePaul University

44. Transportation (Tudor 8)

Chair: Kurt Dender, UC Irvine

Organizer: Diego Puga, Universitat Pompeu Fabra

- *Returns to Scale in Networks*, Marvin Kraus, Boston College
- *Cross-border Transport Infrastructure and Aid Policies*, Se-II Mun, Kyoto University; Shintaro Nakagawa, Kyoto University
- *Airports and Tradeable Noise Permits*, Pierre Picard, University of Manchester; Thierry Brechet, Core Ucl
- *Determinants of Fares and Operating Revenues at U.S. Airports*, Kurt Dender, UC Irvine

Discussants:

Se-II Mun, Kyoto University
 Pierre Picard, University of Manchester
 Kurt Dender, UC Irvine
 Marvin Kraus, Boston College

45. Housing: Pricing and Quality (Montebello)

Chair: Paul A Coomes, University of Louisville

- *On the Modelling of Spatial Interaction and Spatial Hierarchy in Hedonic Housing Models: An Empirical Application on the Urban Area of Brest, France*, Hubert Jayet, Medee-equippe; Julie Le Gallo, CRESE
- *Town-Gown Relations: Can a University Prop Up Neighborhood Housing Values?*, William Rogers, University of Missouri Saint Louis
- *House Price Effects of Variation in Urban Micro-Climate*, Paul E. Thorsnes, University of Otago; Robert Alexander, University of Otago
- *The Price and Quantity of New Housing Units in Metropolitan Areas*, Paul A Coomes, University of Louisville; William Hoyt, University of Kentucky

Discussants:

Paul A Coomes, University of Louisville
 Rachel Guillain, Université de Bourgogne
 William Rogers, University of Missouri Saint Louis
 Michael P Johnson, Carnegie Mellon University

46. Innovations in Spatial Modeling (Quebec)

Chair: Ronald L Moomaw, Oklahoma State University

Organizer: Mark D. Partridge, Ohio State University

- *Interpreting Spatial Econometric Models*, R. Kelley Pace, Louisiana State; James Lesage, Texas State University - San Marcos
- *The Macroeconomic Impact of Ageing and Declining Population in Scotland*, Katerina Lisenkova, University of Strathclyde; Peter McGregor, University of Strathclyde; Nikos Pappas, University of Strathclyde; J. Kim Swales, University of Strathclyde; Karen Turner, University of Strathclyde; Robert E. Wright, University of Strathclyde
- *Can Geographically Weighted Regressions Improve Regional Analysis and Policymaking?*, Kamar Ali, University of Saskatchewan; Mark D. Partridge, Ohio State University; M Rose Olfert, University of Saskatchewan
- *Inference on the Sources of Innovative Inefficiency Using Data Envelope Analysis and Semi-parametric Bootstrapping*, Daniel Monchuk, University of Southern Mississippi

Discussants:

Dan S Rickman, Oklahoma State University
 Daniel Monchuk, University of Southern Mississippi
 Steven C. Deller, University of Wisconsin--Madison
 Ronald L Moomaw, Oklahoma State University

47. Travel Behavior (British Columbia)

Chair: Robert Noland, Imperial College London

Organizer: Kara M Kockelman, University of Texas at Austin

- *Using Binary Logistic Model to Estimate the Effect of ATIS on Transit Ridership Change*, Lei Tang; Piyushimata Thakuria, University of Illinois Chicago
- *A Hierarchical Logit Model Analysis of Transferability of National Household Travel Survey Data*, Jane Lin, University of Illinois Chicago; Liang Long, University of Illinois Chicago
- *Making Travel Demand Models Sensitive to Smart Growth*, Donald Hubbard, Fehr & Peers; Gerard Walters, Fehr & Peers
- *Jobs Suburbanisation and Reverse Commuting in the Paris Area*, Sandrine Wenglenski, INRETS; Aguilera Anne, INRETS

Discussants:

Jane Lin, University of Illinois Chicago
 Mohamed Wahba, Universtiy of Toronto
 Sandrine Wenglenski, INRETS
 Joseph Berechman, University of British Columbia

Thursday, November 16

5:30pm – 6:30pm

6:00pm – 7:30pm

7:00pm – 8:30pm

5:30 PM—6:30 PM

48. PiRS Editorial Board meeting (Montebello) By invitation.

6:00 PM—7:30 PM

49. Reception (Upper Canada)

7:00 PM—8:30 PM

50. SRSA Board Meeting (Library Room) By invitation.

FRIDAY, NOVEMBER 17

8:00 AM—10:00 AM (Sessions 51 – 67)

51. Honouring Masahisa Fujita: Empirical New Economic Geography (Territories)

Chair: Tomoya Mori, Kyoto University

Organizers: Tomoya Mori, Kyoto University; Gilles Duranton, University of Toronto

- *Does the Modifiable Areal Unit Problem jeopardize linebreak economic geography estimations?*, Pierre-Philippe Combes, GREQAM-University of Aix-Marseille, PSE and CEPR; Anthony Briant, Paris-jourdan Sciences-Economiques; Miren Lafourcade, University of Valenciennes and PSE
- *Detailed Location Patterns of UK Manufacturing Industries*, Gilles Duranton, University of Toronto; Henry G. Overman, London School of Economics
- *Decolonization and the Erosion of Market Potential*, Keith Head, University of British Columbia; Thierry Mayer, University of Paris I
- *A Probabilistic Modeling Approach to the Detection of Industrial Agglomerations*, Tomoya Mori, Kyoto University; Tony Smith, University of Pennsylvania

Discussants:

Yasushi Asami, University of Tokyo

Keith Head, University of British Columbia

Gilles Duranton, University of Toronto

Pierre-Philippe Combes, GREQAM-University of Aix-Marseille, PSE and CEPR

52. Knowledge Economy I (British Columbia)

Chair: Hanas A. Cader, South Carolina State University

Organizers: Hanas A. Cader, South Carolina State University; John Leatherman, Kansas State University

- *How Should We Measure the Knowledge Economy?*, Elsie L Echeverri Carroll, University of Texas At Austin
- *The Evolution of the Knowledge Economy*, Hanas A. Cader, South Carolina State University; John Leatherman, Kansas State University
- *Knowledge, Skills and Regional Economic Development: Sunbelt Region Growth and the Knowledge Economy*, Timothy D. Hogan, Arizona State University; Dennis Hoffman, Arizona State University
- *Evolutionary Systems Theory, Endogenous Regional Development, and the Choice Between Educational Policy Alternatives*, William Bowen, Cleveland State University

Discussants:

Dennis Hoffman, Arizona State University

Elsie L Echeverri Carroll, University of Texas At Austin

Peter Czerny, Industry Canada

John Leatherman, Kansas State University

53. Location Modeling II (Jasper 1)**Chair:** Rick Church, University of California At Santa Barbara**Organizers:** Tony H. Grubestic, Indiana University; Timothy Matisziw, Ohio State University

- *Modeling flexible EMS services*, Rick Church, University of California At Santa Barbara; Paul Sorensen, Rand Corporation
- *A Network Flow Model for Routing Hurricane Disaster Relief Goods*, Mark Horner, Florida State University; Joni A. Downs, Florida State University
- *A dynamic node generation procedure based on adaptive sampling for network generation for routing of UAVs*, Eric Delmelle, University of Idaho; Irene Casas, University At Buffalo
- *A Multi-Objective Evolutionary Algorithm for Surveillance Sensor Placement*, Kamyong Kim, Ohio State University; Alan Murray, Ohio State University; Ningchuan Xiao, Ohio State University

Discussants:

Morton E. O'Kelly, Ohio State University
 Timothy Matisziw, Ohio State University
 Kamyong Kim, Ohio State University
 Irene Casas, University At Buffalo

54. Real Estate (Tudor 7)**Chair:** John McDonald, University of Illinois**Organizer:** Gilles Duranton, University of Toronto

- *Local Dynamics and Contagion in Real Estate Markets*, Paul Anglin, University of Guelph
- *A Mixed Index Approach to Identifying Hedonic Price Models*, David M. Brasington, Louisiana State University; Diane Hite, Auburn University
- *Consumer Borrowing Behavior of U.S. Homeowners*, Indrashis Chaudhuri, The Ohio State University
- *Property Taxation and Selling Prices of Industrial Real Estate*, John McDonald, University of Illinois; Yuliya Yurova, UIC

Discussants:

David M. Brasington, Louisiana State University
 Indrashis Chaudhuri, The Ohio State University
 John McDonald, University of Illinois
 Paul Anglin, University of Guelph

55. Regional Perspectives on Exurbia I (Montebello)**Chair:** Darla Munroe, Ohio State University**Organizers:** Darla Munroe, Ohio State University; Jill Clark, The Ohio State University

- *Finding Exurbia - Locating and Describing Fast-Growing Communities at the Metropolitan Fringe*, Alan Berube, Brookings Institution; Audrey Singer, Brookings Institution Metropolitan Policy Program; William Frey, Brookings Institution Metropolitan Policy Program; Jill Wilson, Brookings Institution Metropolitan Policy Program

- *Exurban Settlement Pattern and the Exurban Condition: A Typology of US Metropolitan Areas*, Jill Clark, The Ohio State University; Darla Munroe, Ohio State University; Elena Irwin, Ohio State University
- *Geographic Variation in Population-Employment Dynamics: A Panel Cointegration Analysis*, John I. Carruthers, University of Washington; Michael K. Hollar, U.S. Department of Housing and Urban Development

Discussants:

Jill Clark, The Ohio State University
 Alan Berube, Brookings Institution
 M Rose Olfert, University of Saskatchewan

56. RSAI LRPC (Yorks Deli) Breakfast - By invitation.**57. Rural Development IV: Entrepreneurship and Innovation (Whistler 1)**

Chair: Brian Dabson

Organizers: Peter V Schaeffer, West Virginia University; Stephan Weiler, Colorado State University

- *Rural Entrepreneurship and Growth*, Jason Henderson
- *Innovation and Entrepreneurship in Rural Regions: Empirical Effects on Economic Growth*, Sarah Low, University of Illinois
- *Women (and Minority) Entrepreneur Representation in Gazelle Companies: Productivity or Composition Effects?*, Britteny Cioni
- *Universities, Population, and Regional Innovation*, Michael Verba, Federal Reserve Bank Of Kansas City; Michael J Orlando, Federal Reserve Bank of Kansas City; Stephan Weiler, Colorado State University

Discussants:

Brian Dabson
 Michael J Orlando, Federal Reserve Bank of Kansas City
 J Vernon Henderson, Brown University
 Lorin Kusmin, USDA Economic Research Service

58. Spatial Statistics and Econometrics: Applications IV (Manitoba)

Chair: Antonio Páez, McMaster University

Organizer: Antonio Páez, McMaster University

- *The Economic Valuation of Flood Risk: Long Term Divergence Between Ex-ante and Ex-post Hedonic Prices of the 1993 Meuse River Flooding in The Netherlands*, Vanessa E. Daniel, Vrije Universiteit; R J G M Florax, Purdue University; Piet Rietveld, Dpt. Spatial economics, Vrije Universiteit, Amster
- *System of Accounts for Global Entropy-Production, (SAGE-P): mirror image of GDP*, Anthony M. Friend, OIKO
- *A Constraint-Based Spatial Clustering Algorithm for Administrative Regions*, Yorgos N Photis, University of Thessaly; Maria K Valasaki, University of Thessaly
- *Integrated Spatiotemporal Modelling and Mapping of Natural Systems*, Hwa-Lung Yu, San Diego State University; George Christakos, San Diego State University

Discussants:

Andres Jauregui, Columbus State University
 Vanessa E. Daniel, Vrije Universiteit
 Hwa-Lung Yu, San Diego State University
 Yorgos N Photis, University of Thessaly

59. Urban Structure and Urban Wages (Tudor 8)

Chair: Bernardo Blum, University of Toronto

Organizer: Diego Puga, Universitat Pompeu Fabra

- *Hard Skills, Soft Skills and Agglomeration: A Hedonic Approach to the Urban Wage Premium*, Bernardo Blum, University of Toronto; Marigee Bacolod, University of California - Irvine; William Strange, University of Toronto
- *Is there an urban wage premium in Italy?*, Sabrina Di Addario, Bank of Italy; Eleonora Patacchini Patacchini, University of Rome, La Sapienza
- *Spatial Interdependence in a Metropolitan Setting*, Geoffrey J.D. Hewings, University of Illinois; John B. Parr, University of Glasgow
- *Residential Land Use with Population Age Dynamics*, Tatsuhiro Kono, Tohoku University; Toshiaki Kotoku, Tohoku University; Toshimori Otazawa, Tohoku University

Discussants:

Sabrina Di Addario, Bank of Italy
 Susana Iranzo, University of Sydney
 Bernardo Blum, University of Toronto
 Geoffrey J.D. Hewings, University of Illinois

60. Economic Development Issues in Europe (Confederation 6)

Chair: Denys Nizalov, Michigan State University

- *Urban Growth, Governance and Network Effects: The Case of the European Cities*, Dong Guo; Catherine Baumont, Director, LEG, Université de Bourgogne
- *Culture and Institutions in the European Regional Development Process : History vs Geography*, Marco Percoco, Università Bocconi
- *A Meta-Analysis of EU Regional Policy Evaluation*, Henri L.F. De Groot, Free University; Sandy Dall Erba, University of Illinois At Urbana Champaign
- *Regional Economic Development and Industrial Restructuring in Ukraine*, Denys Nizalov, Michigan State University

Discussants:

Adriana Kocornik-Mina, George Mason University
 Sudhir K. Thakur, California State University Sacramento
 Dong Guo
 Rafiqul Bhuyan, California State University, Sacramento

61. Environmental Issues: Pollution (Banff 1)

Chair: Soo Jung Ha, UIUC

- *Implementation of the Tradable Pollution Permits Scheme and its Impacts on Regional Economies: The Case of Korea*, Hong Bae Kim, Hanyang University; Kap Sik Yun, Chungnam Development Institute

- *Unemployment, Trans-boundary Pollution, and Environmental Policy in a Dualistic Economy*, Tohru Naito, Kushiro Public University of Economics
- *The Study about Proposal of Integrated Environmental Policy in Paldang Lake, Korea*, Jinjoo Kim, University of Tsukuba; Yoshiro Higano, University of Tsukuba
- *Projecting Emissions Inventories Under Different Scenarios of Structural Change in the Chicago SMSA Regional Economy*, Soo Jung Ha, UIUC; Marcelo Lufin, UIUC; Kieran Donaghy, Urban & Regional Planning UIUC; Geoffrey J.D. Hewings, University of Illinois

Discussants:

Kieran Donaghy, Urban & Regional Planning UIUC
 Chris Cunningham, Federal Reserve Bank of Atlanta
 Amitrajeet Batabyal, Rochester Institute of Technology
 Susumu Uchida, University of Tsukuba

62. Infrastructure: Brownfields & Land Use Change (Confederation 5)

Chair: Peter Batey, University of Liverpool

- *Rates of Return to Brownfield Redevelopment*, Norman C. Walzer, Western Illinois University; Gisele F. Hamm, Western Illinois University
- *Regional Socioeconomic Development Consequences of Land-Recycling in China*, Karen R. Polenske, MIT
- *Brownfield Redevelopment in Savannah, Georgia*, Warren Kriesel, University of Georgia
- *Methods for the Spatial Targeting of Urban Policy: A Comparative Analysis*, Peter Batey, University of Liverpool

Discussants:

Michael Lincoln Lahr, Rutgers University
 Suho Bae, The Nelson A. Rockefeller Institute of Government
 James A. Brox, University of Waterloo
 Massoud Khazabi, University of Ottawa

63. Local Public Finance (Quebec)

Chair: Ron Cheung, Florida State University

- *Decentralization and Rent-Seeking in a Government*, Moriki Hosoe, Kyushu University
- *Soft and Hard Budget Constraints : Experience From Germany and Canada*, Laurent Guihery, University Lumiere Lyon 2
- *Economies of Scale in Local Government Services: The Case of 9-1-1 Dispatch Centers*, Eric A. Scorsone, Michigan State University; Melissa Gibson, Michigan State University; Sarma Binti Aralas, Michigan State University
- *The Politics of Residential Private Government*, Ron Cheung, Florida State University; Robert Helsley, University of British Columbia

Discussants:

Ron Cheung, Florida State University
 Moriki Hosoe, Kyushu University

Laurent Guihery, University Lumiere Lyon 2
Eric A. Scorsone, Michigan State University

64. Migration Returns and Return Migration (Algonquin)

Chair: Ronald L. Whisler, Geoscape International

- *Returns to Return Migration*, Amy M. Wolaver, Bucknell University; Nancy E White, Bucknell University; Thomas A Knapp, Penn State Wilkes-Barre Campus
- *Researchers Discover Return Migration: A Case Study of how Data Availability and Researcher Intuition Interacted to Advance Knowledge*, Jeremiah Allen, University of Lethbridge
- *Does Wage Differential Driven Migration Continue to Exist? Tests on the Complementary Role of Interregional Trade in the Process of Production Fragmentation*, Jaewon Lim, Regional Economics Applications Laboratory (REAL),
- *Quality-of-Life Determinants of Migration: A Demographic Segmentation Approach*, Ronald L. Whisler, Geoscape International; Gordon Mulligan, University of Arizona; David A. Plane, University of Arizona; Brigitte S. Waldorf, Purdue University

Discussants:

Ronald L. Whisler, Geoscape International
Nancy White, Bucknell University
Diana Ky Mok, The University of Western Ontario
Jacques Poot, University of Waikato

65. Migration, Residential Mobility and Choice (Alberta)

Chair: Janice Madden, University of Pennsylvania

- *Stressor-based Binary Choice Panel Data Model Estimation of Residential Mobility Decisions for Integrated Land Use and Transportation Modeling Systems*, Muhammad Ahsanul Habib, University of Toronto; Eric J. Miller, University of Toronto
- *Residential Location Choice: The Role of a Taste for Similarity*, Hua Kiefer, Ohio State University
- *Chilean Regional Labor Market Adjustment: Interregional Commuting & Migration.*, Patricio Aroca, Universidad Catolica del Norte
- *Racial and Income Sorting among Suburbs in Large Metropolitan Areas: The Role of Neighborhood and Municipality*, Janice Madden, University of Pennsylvania

Discussants:

Ronald W. McQuaid, Napier University
Curtis J. Simon, Clemson University
Kevin J. Konty, NYC DOHMH
Patricio Aroca, Universidad Catolica del Norte

66. Urban Sprawl: Contemporary Issues (Confederation 3)

Chair: Jan Brueckner, UC Irvine

- *The Effects of Urban Spatial Structure on Gasoline Demand: Evidence from U.S. Panel Data*, Qing Su, Kent State University
- *Re-urbanization of Population in the Tokyo Metropolitan Area: Roxy-index Analysis of the Klaassen's Spatial-cycle Paradigm*, Tatsuhiko Kawashima, Gakushuin University
- *Sustainable Cities of Tomorrow: Protecting Cities from Sprawl and Urban Blight with Continuous City Theory*, Mohammad Qasim, Texas Southern University
- *Social Interaction and Urban Sprawl*, Jan Brueckner, UC Irvine; Ann Largey, Queen's University, Belfast

Discussants:

Maarten E. Bosker, Utrecht University

Jan Brueckner, UC Irvine

Yan Song, UNC-Chapel Hill

Qing Su, Kent State University

67. PRSCO Board Meeting (Saskatchewan) By invitation.

10:15 AM—12:15 PM (Sessions 68 – 82)

68. Arts, Culture and Regional Development (Quebec)

Chair: Ann R Markusen, University of Minnesota

Organizer: Ann R Markusen, University of Minnesota

- *The Limits to Urban Cultural Policies in an Era of Fiscal Constraints: The Case of Montreal, Canada*, Norma Rantisi, Concordia U.
- *Public Policy and Regional Trends in Cultural Industries in the United States*, William B. Beyers, University of Washington
- *The Cultural Economy: Reconciling Industry, Firm and Occupational Accounts*, Ann R Markusen, University of Minnesota; Doug Denatale, Cultural Logic, Inc; Greg Wassall, Northeastern University; Randy Cohen, Americans for the Arts

Discussants:

Glen Norcliffe, York University

Stephen Sheppard, Williams College

William B. Beyers, University of Washington

69. Honouring Masahisa Fujita: Local Public Economics (Territories)**Chair:** Yoshitsugu Kanemoto, University of Tokyo**Organizers:** Yoshitsugu Kanemoto, University of Tokyo; Gilles Duranton, University of Toronto

- *Anti-sprawl policies in a system of congested cities*, Alex Anas, Suny- Buffalo; David Pines, Tel-Aviv University
- *Tiebout's Tale in Spatial Economies: Entrepreneurship, Self-Selection and Efficiency*, Hideo Konishi, Boston College
- *Desirable Locations and Land Use Constraints*, Frederic L. Robert-Nicoud, LSE; Christian A. L. Hilber, London School of Economics
- *Consumption Side Agglomeration Economies in Japanese Cities*, Yoshitsugu Kanemoto, University of Tokyo; Satoshi Hikino, University of Tokyo; Chisato Asahi, Ministry of Land, Infrastructure and Transport

Discussants:

Hideo Konishi, Boston College
 Frederic L. Robert-Nicoud, LSE
 Yoshitsugu Kanemoto, University of Tokyo
 Alex Anas, Suny- Buffalo

70. Jane Jacobs and Economics (Confederation 3)**Chair:** Pierre Desrochers, U of T at Mississauga**Organizer:** Pierre Desrochers, U of T at Mississauga

- *Jane Jacobs and the New Growth Theory*, David Nowlan, University of Toronto (emeritus)
- *Old Assumptions, New Results: Some Thoughts on Jane Jacobs and Method*, Richard E. Keeley, Boston College
- *Jane Jacobs' contribution to institutional and evolutionary economic theory*, Gert-Jan Hospers, University of Twente
- *Local Diversity and Economic Growth: A Case Study on Jacobs' Externalities*, Pierre Desrochers, U of T at Mississauga

Discussants:

Larry Solomon, Energy Probe
 Mary W. Rowe, Blue Moon Fund

71. Knowledge Economy II (British Columbia)**Chair:** Matthew Drennan, UCLA**Organizers:** Hanas A. Cader, South Carolina State University; John Leatherman, Kansas State University

- *Absorptive Capacity and Spatial Patterns of Innovation: Evidence from SMEs in the UK*, Maria Abreu, University of Cambridge; Michael Kitson, University of Cambridge; Maria Savona, University of Cambridge
- *Mediator Agents of Knowledge in Glo/Cal Networks: Which is the role played by the research groups of the University of Los Andes in Bogotá?*, Bernardo Herrera, Universidad de los Andes; Mireya Astrid Jaime, Colciencias; Dominique Vinck, CRISTO Centre de Recherche: Innovations Socio-Tech

- *The Knowledge Economy and United States Cities Post NAICS*, Matthew Drennan, UCLA

Discussants:

Meir Russ, UW-Green Bay
Matthew Drennan, UCLA
Hanas A. Cader, South Carolina State University

72. Land Supply and Local Policies (Tudor 7)

Chair: Ping Wang, Washington University In St Louis

Organizer: Gilles Duranton, University of Toronto

- *The Control of Land Rent in a Fortified Farming Village*, John Hartwick, Queen's University
- *The Political Economy of Housing Supply*, Francois Ortalo-Magne, University of Wisconsin - Madison; Andrea Prat, LSE
- *An Economic Analysis of Municipal Consolidation with Heterogeneous Preference*, Yusuke Teraji, Graduate School of Economics, Kyoto University
- *Housing Quality, Housing Development and Public Policy*, Ping Wang, Washington University In St Louis; Shin-Kun Peng, Academia Sinica

Discussants:

Francois Ortalo-Magne, University of Wisconsin - Madison
Yusuke Teraji, Graduate School of Economics, Kyoto University
Ping Wang, Washington University In St Louis
John Hartwick, Queen's University

73. Location Modeling III (Jasper 1)

Chair: Timothy Matisziw, Ohio State University

Organizers: Tony H. Grubestic, Indiana University; Timothy Matisziw, Ohio State University

- *Location Coverage Models with Demand Originating from Nodes and Paths: Application to Cellular Network Design*, Elif Tokar Erdemir, SUNY at Buffalo
- *Maximizing Regional Coverage Using Spatial Objects*, Daoqin Tong, Ohio State University; Alan Murray, Ohio State University
- *Practitioner-Motivated Planning Models for Urban Affordable Housing Development*, Michael P Johnson, Carnegie Mellon University; Meredith Fisher, Carnegie Mellon University; Sung-Hee Kim, Carnegie Mellon University
- *Optimal Space Allocation in a City with Several Industries*, Guillaume Carlier, Universite Paris-Dauphine; Ivar S. Ekeland, UBC; Jean-Charles Rochet, IDEI, Universite de Toulouse

Discussants:

Daoqin Tong, Ohio State University
Bilal Farhan, JPMorgan Chase
Mark Horner, Florida State University
Oleg A. Smirnov, University of Toledo

74. Regional Perspectives on Exurbia II (Montebello)**Chair:** Darla Munroe, Ohio State University**Organizer:** Darla Munroe, Ohio State University

- *Implications of Spatial Variation in Amenities and Public Goods: Long-run Regional, Urban, Suburban and Exurban Interactions*, Philip Graves, University of Colorado
- *Multiscale Models of Exurban Land Conversion in Ohio*, Darla Munroe, Ohio State University; Hyowon Ban, Ohio State University; James J Biles, Western Michigan University
- *Employment Growth in the American Urban Hierarchy: Long Live Distance*, Margaret Rose Olfert, University of Saskatchewan; Mark D. Partridge, Ohio State University; Kamar Ali, University of Saskatchewan; Dan S Rickman, Oklahoma State University
- *Does State Growth Management Change the Pattern of Urban Growth? Evidence from Florida*, Marlon Boarnet, University of California Irvine; John I. Carruthers, University of Washington; Ralph McLaughlin, University of California Irvine

Discussants:

Darla Munroe, Ohio State University
 John I. Carruthers, University of Washington
 Marlon Boarnet, University of California Irvine
 Mark D. Partridge, Ohio State University

75. Rural Development V: Financial Flows and Small Business Development (Whistler 1)**Chair:** David Mushinski, Colorado State University**Organizers:** Peter V Schaeffer, West Virginia University; Stephan Weiler, Colorado State University

- *Using Retail Trade Leakages to Assess Geographic Interdependencies*, Fungisai Nota, University of Nevada, Reno
- *Small Banks: A Resource Growth for New Mexico*, Benjamin Widner, New Mexico State University
- *Heterogeneity in Informal Sector Mitigation of Micro-Enterprise Credit Rationing*, David Mushinski, Colorado State University
- *New Plant Survival: Does Space Matter?*, Huiban Jean Pierre, INRA

Discussants:

Benjamin Widner, New Mexico State University
 David Mushinski, Colorado State University
 Jean-Pierre Huiban
 Fungisai Nota, University of Nevada, Reno

76. Spatial Statistics and Econometrics: Theory and Methods I (Alberta)**Chair:** Daniel Griffith, University of Texas at Dallas**Organizer:** Antonio Páez, McMaster University

- *Detection of the Direction and Center of Expansion in Spatiotemporal Point Patterns*, Yukio Sadahiro, University of Tokyo

- *Quadrat-Based Method in the Network Space*, Shino Shiode, University of Tokyo
- *From Conventional to Spatial Econometric Models of Spatial Interactions*, Manfred M. Fischer, Vienna University of Economics and Business Administration; Martin Reismann, Vienna University of Economics and Business Admini; Thomas Scherngell, Vienna University of Economics and Business Administration
- *Explaining China's Economic Growth: Does Entrepreneurship Matter?*, Junbo Yu, Tsinghua University; Shaoming Cheng, George Mason University; Roger R. Stough, George Mason University

Discussants:

Catherine Baumont, Director, LEG, Université de Bourgogne
 Manfred M. Fischer, Vienna University of Economics and Business Administration
 Narushige Shiode, The State University of New York, Buffalo
 Yukio Sadahiro, University of Tokyo

77. Economic Development Issues in the Developing World (Confederation 6)

Chair: Henri L.F. De Groot, Free University

- *Effects of Space and Time on Inter-State Disparities in India: Preliminary Findings and Emerging Opportunities for Entrepreneurial Actors*, Adriana Kocornik-Mina, George Mason University
- *Structure and Structural Changes in India: A Temporal Fundamental Economic Structure Approach*, Sudhir K. Thakur, California State University Sacramento
- *The Colonial Legacy as a Determinant of Regional Per Capita Income in Colombia*, Jaime A. Bonet, Banco de la República; Adolfo E. Meisel, Banco de la República (Central Bank of Colombia)

Discussants:

Denys Nizalov, Michigan State University
 Jessica Y. Guo, University of Wisconsin-Madison
 Marco Percoco, Università Bocconi

78. Environmental Issues: Contemporary Topics (Banff 1)

Chair: William Bowen, Cleveland State University

- *Conservation Easements, Public Lands and Growth Management Valuing Proximity to Development Constrained Land in Colorado*, Chris Cunningham, Federal Reserve Bank of Atlanta; Tom Thibodeau, Leeds School of Business
- *Trade, the Damage from Alien Species, and the Effects of Protectionism Under Alternate Market Structures*, Amitrajeet Batabyal, Rochester Institute of Technology; Hamid Beladi, University of Texas at San Antonio
- *Simulation Analysis of Policies for Promoting Renewable Energy Considering Learning and Cost Reduction*, Susumu Uchida, University of Tsukuba; Yoshiro Higano, University of Tsukuba
- *Regional Science and the Explanation of Environmental Injustice: A Case Study of New Jersey*, William Bowen, Cleveland State University

Discussants:

Tohru Naito, Kushiro Public University of Economics

Sungyop Kim, Washington University
Hong Bae Kim, Hanyang University
Soo Jung Ha, UIUC

79. Infrastructure: International Views (Confederation 5)

Chair: Florence Bouvet, Lewis and Clark College

- *Regional Infrastructure Investment and Canadian Manufacturing Productivity*, James A. Brox, University of Waterloo; Derek Picard, HDR|HLB Decision Economics Inc
- *Knowledge-Based Labor Productivity Improvements: Canada Case Study*, Massoud Khazabi, University of Ottawa; Firouz Fallahi, University of Ottawa
- *Infrastructure, Labor Productivity, and Regional Policy in the European Union*, Florence Bouvet, Lewis and Clark College
- *Do Structural Funds Promote Increasing Returns to Scale?*, Sandy Dall'erba, University of Arizona; Rachel Guillain, Université de Bourgogne; Julie Le Gallo, CRESE

Discussants:

Warren Kriesel, University of Georgia
Peter Batey, University of Liverpool
Kei Fukuyama, Tohoku University
Terry L. Clower, University of North Texas

80. Migration (Tudor 8)

Chair: Edmund J. Zolnik, George Mason University

Organizer: Diego Puga, Universitat Pompeu Fabra

- *Climatic Change and Rural-Urban Migration: The Case of Sub-Saharan Africa*, Luisito Bertinelli, University of Luxembourg; Salvador Barrios, European Commission, Institute for Prospective Tec; Eric Strobl, Ecole Polytechnique
- *Immigrants and Cities*, Sukko Kim, Washington University In St Louis
- *Is Migration Procyclical? New Evidence on Fluctuations in Internal Migration over the Business Cycle*, Raven Saks, Federal Reserve Board; Abigail Wozniak, University of Notre Dame
- *Fertility and the City*, Curtis J. Simon, Clemson University; Robert Tamura, Clemson University

Discussants:

Edmund J. Zolnik, George Mason University
Luisito Bertinelli, University of Luxembourg
Sukko Kim, Washington University In St Louis
Raven Saks, Federal Reserve Board

81. Spatial Statistics and Econometrics: Applications V (Manitoba)

Chair: Arthur Getis, San Diego State University

Organizer: Antonio Páez, McMaster University

- *Investigating the Evolution of Accessibility to Healthy Food Using Models with Spatially Structured Random Effects*, Nairne Cameron, University of Alberta; Vladimir Yassenovskiy, University of Alberta; Karen Tomic, University of Alberta; Carl G. Amrhein, U Of Alberta; Julia Healy, University of Alberta
- *Using Spatial Econometrics to Test for Price Competition Between Food Stores Based on Swedish Data*, Johan Lundberg, CERUM; Sofia Lundberg, CERUM
- *Estimating Diabetes Prevalence at the Local level: A Microsimulation Approach*, Dianna M. Smith, University of Leeds; Graham P. Clarke, University of Leeds
- *China's Regional Income Distribution: Another Application*, Dong Guo; Roberto Basile, ISAE

Discussants:

Sharon I O Donnell, Baylor College of Medicine
Nairne Cameron, University of Alberta
Johan Lundberg, CERUM
Art Getis, San Diego State University

82. Water and Wetlands (Algonquin)

Chair: Jungyul Sohn, Seoul National University

- *Mitigation Policy and its Effects on Wetland Relocation and Redistribution in the Chicago Region*, Todd K. BenDor, University of Illinois at Urbana-Champaign; Nicholas Brozovic, University of Illinois at Urbana-Champaign
- *The Impact of Housing Characteristics and Surface Heat Islands on Water Use in Single Family Residences: The Case of Phoenix Metropolitan Area*, Subhrajit Guhathakurta, Arizona State University; Patricia Gober, Arizona State University
- *Watering Cities: Exploratory Spatial Data Analysis of Urban Water Use in the Southeastern United States*, Jungyul Sohn, Seoul National University; Susan S. Hutson, U.S. Geological Survey; Hsiang-Te Kung, University of Memphis

Discussants:

Jungyul Sohn, Seoul National University
Todd K. BenDor, University of Illinois at Urbana-Champaign
Maria Plotnikova, Strathclyde University

12:15 PM—1:15 PM

83. Funding Opportunities at the U.S. National Science Foundation (Banff 1)

Chair: Thomas J. Baerwald, National Science Foundation

Organizer: Thomas J. Baerwald, National Science Foundation

This session will consist of a presentation describing funding opportunities for regional scientists at the National Science Foundation and general advice regarding the preparation of proposals seeking support from NSF and other funding sources.

84. RSAI Fellows Lunch (Richtree Market) By invitation. Please meet at the Richtree Market restaurant, located in the main floor (street level, east end) of BCE Place (Heritage Square), 42 Yonge Street. Reservation is under “RSAI” (or Regional Science Association International) and in the Auberge room.

1:15 PM—3:15 PM (Sessions 85 – 99)

85. Contemporary Topics in Regional Science I (Banff 1)

Chair: William B. Beyers, University of Washington

Organizer: William B. Beyers, University of Washington

- *Regional Dimensions of Nonemployer Businesses in the U.S.*, Audrey E. Clarke, Economic Development Administration; Brian P. Holly, US Census Bureau
- *Knowledge Exploration and Exploitation: Collaborative Linkages of U.S. Biotechnology Firms*, Sharmistha Bagchi-Sen, SUNY-Buffalo; Yael Levitte, Cornell University
- *Skills and Expertise in the Developing Knowledge Economy: The Case of Business and Professional Services*, Peter W. Daniels, University of Birmingham; John R. Bryson, University of Birmingham
- *On The Regional Decline in Manufacturing Employment in the United States*, William B. Beyers, University of Washington

Discussants:

Peter W. Daniels, University of Birmingham
William B. Beyers, University of Washington
Brian P. Holly, US Census Bureau
Sharmistha Bagchi-Sen, SUNY-Buffalo

86. Honouring Masahisa Fujita: Urban Labour Markets (Territories)

Chair: Yves Zenou, Research Institute of Industrial Economics

Organizers: Yves Zenou, Research Institute of Industrial Economics; Gilles Duranton, University of Toronto

- *Spatial Dependence in Local Unemployment Rates*, Eleonora Patacchini, University of Rome, La Sapienza; Yves Zenou, Research Institute of Industrial Economics
- *Wage Premium in Employment Clusters: Agglomeration Economies or Worker Heterogeneity?*, Stephen L. Ross, University of Connecticut; Shihe Fu, Southwestern University of Finance and Economics

- *Tax Competition and Public Input Provision with Imperfect Labor Markets*, Yasuhiro Sato, Nagoya University; Hikaru Ogawa, Nagoya University; Toshiki Tamai, Nagoya University
- *Acces to Jobs, Residential Segregation and Urban Unemployment in the Paris Greater Area*, Harris Selod, Institut National de la Recherche Agronomique (INRA); Laurent Gobillon, Institut National d'Etudes Demographiques (INED)

Discussants:

Stephen L. Ross, University of Connecticut
 Yasuhiro Sato, Nagoya University
 Harris Selod, Institut National de la Recherche Agronomique (INRA)
 Eleonora Patacchini Patacchini, University of Rome, La Sapienza

87. Land Use and Spatial Interactions (Tudor 7)

Chair: Christian Redfearn, Univ. Of Southern California

Organizer: Gilles Duranton, University of Toronto

- *Local Public Goods and the Dynamics of Urban Decay*, David Frame, Carnegie Mellon University
- *A Land Use Equilibrium Model With endogenous incomes*, Alejandro Jofre, Universidad de Chile; Pedro Jara, DELTA, and College de France, Paris.; Francisco J. Martinez, Universidad de Chile
- *A Spatial Model of Social Interactions*, Pascal Mossay, Universidad de Alicante; Pierre Picard, University of Manchester
- *Determinacy in Urban Form: Fixed Investment and Path Dependence in the Spatial Distribution of Metropolitan Employment*, Christian Redfearn, Univ. Of Southern California

Discussants:

Alejandro Jofre, Universidad de Chile
 Pascal Mossay, Universidad de Alicante
 Christian Redfearn, Univ. Of Southern California
 David Frame, Carnegie Mellon University

88. Location Modeling IV (Jasper 1)

Chair: Tony H. Grubestic, Indiana University

Organizers: Tony H. Grubestic, Indiana University; Timothy Matisziw, Ohio State University

- *Statistics of Spatial Distribution: Characterizing Structure in 2-D Space*, Zuoquan Zhao, Max Planck Institute of Economics
- *A Bi-objective Model for Residential Broadband Facility Location Problems*, Gunhak Lee, Ohio State University; Ningchuan Xiao, Ohio State University
- *p-Hub Dispersion Models for Reliable Design in Telecommunication Network*, Hyun Kim, Ohio State University; Morton E. O'Kelly, Ohio State University
- *Does it Pay to be First? Sequential Locational Choice and Foreclosure*, Nicholas Economides; Jamie Howell; Sergio Meza, Rotman School of Management, University of Toronto

Discussants:

Eric Delmelle, University of Idaho

Tony H. Grubestic, Indiana University
Marlon Boarnet, University of California Irvine
José Pedro Pontes, Technical University of Lisbon

89. Neighbourhood Change in Canadian Cities (Confederation 6)

Chair: Robert Alan Walks, U of T at Mississauga

Organizer: Robert Alan Walks, U of T at Mississauga

- *The Redistribution of Residential Property Values in Montreal, Toronto and Vancouver: Examining Neoclassical and Marxist Views On Changing Investment Patterns*, Andrejs Skaburskis, Queens University; Markus Moos, University of British Columbia
- *Densification and Annexation: A Case Study of the Elastic Cities Concept*, John Meligrana
- *Barriers to Gentrification in Inner-City Vancouver*, Cory Dobson, University of British Columbia
- *Gentrification, Social Mix, and Social Polarization in Canadian Cities, 1961 to 2001*, Robert Alan Walks, U of T at Mississauga; Richard Maaranen, University of Toronto

Discussants:

John Miron, University of Toronto
Norma Rantisi, Concordia U.
Pierre Filion, University of Waterloo
Pierre Filion, University of Waterloo

90. Spatial Statistics and Econometrics: Theory and Methods II (Alberta)

Chair: Luc Anselin, University of Illinois

Organizer: Antonio Páez, McMaster University

- *An Examination of the Effect of Influential Points on Cross Validation in GWR Model Estimation*, Steven Farber, McMaster University; Antonio Páez, McMaster University
- *Specifying Joint Space- and Time-Lag: fishing out Poisson...*, Daniel Griffith, University of Texas At Dallas; Jean H.P. Paelinck, George Mason University
- *Estimation of Service Sector Trade Flows: Application of Geographically Weighted Regressions*, Jiyong Park, USC
- *Disproportionality Measures of Concentration, Specialization, and Polarization*, Frank Bickenbach; Echaradt Bode, Kiel Institute for the World Economy

Discussants:

Jean H.P. Paelinck, George Mason University
Hu Wei, Ohio State University
Steven Farber, McMaster University
Jiyong Park, USC

91. Transport for the 21st Century: Theory and Methods I (Algonquin)

Chair: Ron N. Buliung, U of T, Mississauga

Organizers: Darren Scott, McMaster University; Ron N. Buliung, U of T, Mississauga

- *The Utility of Activity Episodes: Key Concepts and Application in Activity-based Travel Demand Modelling*, Khandker M N Habib, University of Toronto; Eric J. Miller, University of Toronto
- *Using Measurement Equations to Estimate Mode Choice Models without Network or Land Use Data: A Model for Chengdu, China*, Sumeeta Srinivasan, Harvard University; Joan Walker, Boston University; Jieping Li, Boston University
- *Transportation Modeling for The Mexico City Metropolitan Area*, Julia A. Gamas, US Environmental Protection Agency; Bill Anderson, Boston University
- *An Extensible Computational Framework for Urban Travel Demand Modelling*, Eric J. Miller, University of Toronto; Nick Kruchten, Kruchten Engineering Services Ltd.

Discussants:

Sumeeta Srinivasan, Harvard University
 Habib Khandker, University of Toronto
 Eric J. Miller, University of Toronto
 Julia A. Gamas, US Environmental Protection Agency

92. Urban Evolution (Tudor 8)

Chair: Jens Suedekum, University of Konstanz

Organizer: Diego Puga, Universitat Pompeu Fabra

- *Urban Resurgence*, Mohammad Arzaghi, American University of Sharjah; James Davis, Census Bureau
- *The Development of Italian Cities 1300-1861*, Harry Garretsen, Utrecht University; Maarten E. Bosker, Utrecht University; Steven Brakman, University of Groningen; Herman De Jong, Univ of Groningen; Marc Schramm, Utrecht University
- *Convergence of Human Capital Shares Across German Cities*, Jens Suedekum, University of Konstanz; Kristian Behrens, CORE Université catholique de Louvain

Discussants:

Harry Garretsen, Utrecht University
 Jens Suedekum, University of Konstanz
 Mohammad Arzaghi, American University of Sharjah

93. Clusters I: The United States (Quebec)

Chair: Carey Durkin Treado, University of Pittsburgh

- *Influence of University and Industrial Research on Regional Economic Outcomes*, Iryna Lendel, Cleveland State University
- *Clusters and Economic Development Outcomes: An Assessment of the Link Between Clustering and Industry Growth in Appalachia*, Edward J Feser, University of Illinois At Urbana-Champaign; Henry C Renski, University of North Carolina At Chapel Hill
- *Industry Clusters Across Rural America*, Fred Byon, Purdue University; Jerry N. Conover, Indiana University; Samuel M. Cordes, Purdue University; Bethany Holliday, Indiana University-Purdue University Indianapolis; Rachel M. Justis, Indiana University; Indraneel Kumar, Purdue University; Victoria Nelson, Indiana

University; Christine E. Nolan, Purdue University; Carol O. Rogers, Indiana University Purdue University Indianapolis; Brigitte S. Waldorf, Purdue University; Thayr Richey, Strategic Development Group, Inc.

- *Intermediate Steel-Industry Suppliers in the Pittsburgh Region: A Cluster-based Analysis of Regional Economic Resilience*, Carey Durkin Treado, University of Pittsburgh; Frank Giarratani, University of Pittsburgh

Discussants:

Heungsuk Choi, Korea University
Iryna Lendel, Cleveland State University
Steven Poelhekke, European University Institute
Todd Gabe, University of Maine

94. Economic Development & Growth Policies I (Montebello)

Chair: Peter Nijkamp, Free University

- *Regional Growth Transition Clubs in the United States*, Breandan O Huallachain, Arizona State University
- *Reining in the Regional Competition for Capital: An Institutional Approach*, Ann R Markusen, University of Minnesota
- *Do Growth Policies Really Matter? A Predictive Model of Economic Development*, Katherine C Chalmers, California State University--Sacramento; Walter Schwarm, West Virginia University
- *Going for Growth; Towards a Theoretical Synthesis and Policy Framework*, Peter Nijkamp, Free University; Patricia P. Van Hemert, Vrije Universiteit Amsterdam

Discussants:

Scott Loveridge, Michigan State University
Patrick Buckley, Western Washington University
Denys Nizalov, Michigan State University
Brian J. Osoba, University of Texas at El Paso

95. Infrastructure: Transportation (Confederation 5)

Chair: Michael Lincoln Lahr, Rutgers University

- *Regional Competition and Cooperation on Inter-regional Transportation Infrastructure*, Kei Fukuyama, Tohoku University
- *Regional Economic & Developmental Impacts of Tollroads: Case Studies from Dallas, Texas*, Terry L. Clower, University of North Texas; Bernard L. Weinstein, University of North Texas
- *Compositional Effects of Economic Development and Growth on State and Local Infrastructure Investment*, Suho Bae, The Nelson A. Rockefeller Institute of Government
- *Endogenous Regional Economic Growth through Transportation Investment: An Economic Impact Analysis*, Michael Lincoln Lahr, Rutgers University; Francis X Mahady, Fxm Associates

Discussants:

Karen R. Polenske, MIT
Florence Bouvet, Lewis and Clark College

Norman C. Walzer, Western Illinois University
Andrew J Buck, Temple University

96. Input-Output Analysis: Analytical and Empirical Issues (Confederation 3)

Chair: Randall W Jackson, Regional Research Institute WVU

Organizer: Richard J. Difrancesco, University of Toronto

- *Mapping Input Output Tables: A Brazilian Case*, Joao F. De Abreu, Pontifical Catholic University of Minas Gerais-Brazil; Eduardo A. Haddad, FEA/USP; Joaquim Jm Guilhoto, FEA/USP
- *Integrating U.S. Input-Output Tables with SNA: Valuations and Extensions*, Jiemin Guo, US Dept Of Commerce; Mark A. Planting, US Department of Commerce
- *Regional Capabilities and the Structure of the Californian Economy*, Oleg A. Smirnov, University of Toledo; Juan Duque, San Diego State University; Sergio J. Rey, San Diego State University

Discussants:

Ian Sue Wing, Boston University
Hiroyuki Shibusawa, Toyohashi University of Technology
Dong Guo

97. Population Issues (British Columbia)

Chair: Albert Saiz, University of Pennsylvania

- *Racial/Ethnic Mixing Among and Within US Metropolitan Areas*, Lawrence Brown, Ohio State University; Madhuri Sharma, Ohio State University
- *Socio-economic Barriers Impeding Family Planning Programmes in Bangladesh: A Study on a Semi-Urban Area*, Md. Fakrul Islam, University of Rajshahi; Wardatul Akmam, University of Rajshahi; Mst. Sharmin Sultana, University of Rajshahi
- *Happy People or Happy Places? A Multi-Level Modelling Approach to the Analysis of Happiness and Well-Being*, Dimitris Ballas, University of Sheffield; Mark Tranmer, University of Manchester
- *Downloading Wisdom from Online Crowds*, Albert Saiz, University of Pennsylvania; Uri Simonsohn, University of Pennsylvania

Discussants:

Albert Saiz, University of Pennsylvania
Matloob E. Piracha, University of Kent
Lawrence Brown, Ohio State University
Dimitris Ballas, University of Sheffield

98. Spatial Statistics and Econometrics: Applications VI (Manitoba)**Chair:** Maureen Kilkenny, University of Nevada Reno**Organizer:** Antonio Páez, McMaster University

- *Does Agricultural Employment Benefit From EU Support?*, Sandy Dall Erba, University of Illinois At Urbana Champaign; Eveline S. Van Leeuwen, Free University Amsterdam
- *Historical and Spatial Analysis of the Spatialty Crops Industry in the US*, Mei-Luan Cheng, Cornell University; Nelson Bills, Cornell University; Joe D. Francis, Cornell University
- *A Spatial Approach to Assess Student Performance from Rural and Urban Schools in Brazil*, Monica Haddad, Iowa State University; Raul Santos, University of Sao Paulo

Discussants:

Maureen Kilkenny, University of Nevada Reno
 Monica Haddad, Iowa State University
 Mei-Luan Cheng, Cornell University

99. Rural Development VI: Planning for the Agricultural and Rural Development Information System Symposium Session (Whistler 1)**Chair:** Thomas G. Johnson, University of Missouri-Columbia**Organizers:** Thomas G. Johnson, University of Missouri-Columbia; Peter V Schaeffer, West Virginia University

The US Department of Agriculture, Economic Research Service is proposing a new information system, ARDIS, the Agricultural and Rural Development Information System. If funded, this new system will annually collect data from a sample of rural households about their economic situation and behavior. The goal of this symposium session is to explain this information system to researchers who may benefit from it and collect their ideas about how the system can be made most useful to them. This symposium will start with a description of the proposed project by Dr. Thomas G. Johnson, University of Missouri, and Dr. Robert Gibbs, USDA Economic Research Service. Following this introduction, participants in the symposium will be given an opportunity to express their views and to debate issues with other participants.

3:30 PM—5:30 PM (Sessions 100 – 114)**100. Agglomeration and its Effects (Tudor 8)****Chair:** Qinghua Zhang, Peking University**Organizer:** Diego Puga, Universitat Pompeu Fabra

- *Innovation across U.S. industries: The effects of Urbanization and localization*, Gerald Carlino, Federal Reserve Bank of Philadelphia; Robert Hunt, Federal Reserve Bank of Philadelphia
- *Clustering of Auto Supplier Plants in the U.S.: GMM Spatial Logit for Large Samples*, Daniel P McMillen, University of Illinois Chicago; Thomas Klier, Federal Reserve Bank of Chicago

- *The Determinants of the Location of Foreign Direct Investment in UK Regions*, Dimitra Dimitropoulou, University of Reading; Simon Burke, University of Waikato; Philip McCann, The University of Waikato
- *The Thick Market Effect on Housing Markets Transactions*, Qinghua Zhang, Peking University; Li Gan, Texas A&M University

Discussants:

Daniel P McMillen, University of Illinois Chicago
 Fabiano Schivardi, Banca d'Italia
 Qinghua Zhang, Peking University
 Gerald Carlino, Federal Reserve Bank of Philadelphia

101. Honouring Masahisa Fujita: Urban modeling (Territories)

Chair: Jan Brueckner, UC Irvine

Organizers: Jan Brueckner, UC Irvine; Gilles Duranton, University of Toronto

- *The Location of the Poor in a Metropolitan Area: A Positive Analysis*, Charles De Bartolome, University of Colorado; Stephen L. Ross, University of Connecticut
- *A Game-Theoretic Analysis of Skyscrapers*, Robert Helsley, University of British Columbia; William Strange, University of Toronto
- *Why do Ethnic Minorities Search Less? A Transport-Mode Based Theory*, Yves Zenou, Research Institute of Industrial Economics
- *Gentrification and Neighborhood Housing Cycles: Will America's Future Downtowns Be Rich?*, Jan Brueckner, UC Irvine; Stuart Rosenthal, Syracuse University

Discussants:

Robert Helsley, University of British Columbia
 Yves Zenou, Research Institute of Industrial Economics
 Jan Brueckner, UC Irvine
 Charles De Bartolome, University of Colorado

102. Large Scale Simulation Models for Urban Sustainability II (Confederation 6)

Chair: Hanna Maoh, McMaster University

Organizer: Hanna Maoh, McMaster University

- *Using an Integrated Urban Model to Estimate Changes in Vehicular Emissions and Traffic Congestion as a result of Urban Residential Intensification in Hamilton, Ontario*, Kevin J. Behan, McMaster University; Pavlos Kanaroglou, McMaster University; Hanna Maoh, McMaster University
- *Large Developments, Spatial Uncertainty, and Integrated Land Use and Transportation Modeling*, Michael J. Clay, Auburn University
- *Transportation Policy Analysis Using an Activity-Based Microsimulation Model of Travel Demand*, Sadayuki Yagi, University of Illinois at Chicago; Abolfazl (Kouros) Mohammadian, University of Illinois At Chicago
- *Visioning Vs. Modeling: Forecasting the Land Use-Transportation Futures of Urban Regions*, Jason Lemp, The University of Texas at Austin; Brenda Zhou, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin; Barbara Parmenter, The University of Texas at Austin

Discussants:

Sadayuki Yagi, University of Illinois at Chicago
 Jason Lemp, The University of Texas at Austin
 Michael J. Clay, Auburn University
 Kevin J. Behan, McMaster University

103. Migration and Immigration (Confederation 3)

Chair: Diana Ky Mok, The University of Western Ontario

- *The Intra-Metropolitan Location Choice of Immigrants: An Analysis of Recent Immigrants in New York, Los Angeles and Washington DC*, Lisa A Fowler, George Mason University
- *Salient Features and Multivariate Explanation of the 1985-1990 and 1995-2000 Destination Choices of Newly Arrived Immigrants in the United States: The Beginning of a New Trend?*, Kao-Lee Liaw, McMaster University; William Frey, Brookings Institution Metropolitan Policy Program
- *The Relationship Between Housing Costs, Job Growth and Residential Location Choices of Recent Immigrants*, Lisa A Fowler, George Mason University
- *Immigrants' Attitudes Toward Integration and Citizenship in Germany, 1970-2000*, James O Bukenya, Alabama A and M University; Peter V Schaeffer, West Virginia University

Discussants:

Kao-Lee Liaw, McMaster University
 Jaewon Lim, Regional Economics Applications Laboratory (REAL),
 Diana Ky Mok, The University of Western Ontario
 Lisa A Fowler, George Mason University

104. Migration in the US II (Jasper 1)

Chair: Brigitte S. Waldorf, Purdue University

- *Intellectual Capital: Small-scale Compositional Changes*, Brigitte S. Waldorf, Purdue University
- *Where they Live: A Choice or Something Else*, Hannes Johannsson; Jason Dietrich
- *Statistical Graphics for Multiregional Migration Modeling*, Stuart H. Sweeney, University of California; Kevin J. Konty, NYC DOHMH
- *From Rafts to Race: The Integration of Cuba's Balsero Refugees*, Kelly Woltman, McMaster University; Bruce Newbold, McMaster University

Discussants:

Roberto Basile, ISAE
 Kelly Woltman, McMaster University
 Ronald L. Whisler, Geoscape International
 Kevin J. Konty, NYC DOHMH

105. Spatial Statistics and Econometrics: Theory and Methods III (Alberta)**Chair:** Nancy Lozano, University of Illinois Urbana Champaign**Organizer:** Antonio Páez, McMaster University

- *Spatial Filtering and Eigenvector Stability: Dynamic Models for German Unemployment Data*, Roberto Patuelli, Free University; Daniel Griffith, University of Texas At Dallas; Michael Tiefelsdorf, University of Texas at Dallas; Peter Nijkamp, Free University
- *The Joint Modelling of "Substantive" and "Nuisance" Spatial Autocorrelation: A Proposed Simple Model for the Applied Researcher*, Mark Roberts, University of Cambridge
- *P-region Based Estimation of Disease Rates*, Sergio J. Rey, San Diego State University; Luc Anselin, University of Illinois; Juan Duque, San Diego State University; Xuening Li, San Diego State University
- *Economic and Fiscal Effects of the 2006 FIFA World Cup in Germany – The Case of the World Cup Games in Munich –*, Alina M. Popescu, University of the Federal Armed Forces Munich; Florian W. Bartholomae, University of the Federal Armed Forces Munich; Peter Friedrich, University of the Federal Armed Forces Munich

Discussants:

Mark Roberts, University of Cambridge
 Sergio J. Rey, San Diego State University
 Roberto Patuelli, Free University
 Narushige Shiode, The State University of New York, Buffalo

106. Transport for the 21st Century: Theory and Methods II (Algonquin)**Chair:** Darren Scott, McMaster University**Organizers:** Darren Scott, McMaster University; Ron N. Buliung, U of T, Mississauga

- *An Integrated Spatio-Temporal GIS System for Exploring Intra-household Interactions*, Hejun Kang, McMaster University; Darren Scott, McMaster University
- *Spatial Heterogeneity and Rail Transit Patronage*, Takatsugu Kobayashi, Indiana University; Bradley Lane, Indiana University
- *Extending the Dissimilarity Index to Measure Urban Land Use Mixture*, Bernadette Michelle Marion, The Florida State University; Mark Horner, Florida State University
- *Freight Transportation: Who is the Decision Maker?*, Stephanie McCabe, Civil Engineering, University of Toronto; Helen Kwan, Civil Engineering, University of Toronto; Matthew Roorda, University of Toronto

Discussants:

Takatsugu Kobayashi, Indiana University
 Bernadette Michelle Marion, The Florida State University
 Stephanie McCabe, Civil Engineering, University of Toronto
 Hejun Kang, McMaster University

107. Transportation and Regional Economic Policy (Confederation 5)**Chair:** Marlon Boarnet, University of California Irvine**Organizer:** Kara M Kockelman, University of Texas at Austin

- *A Granger Causality Test of Highways or Economic Development: Which Came First?*, Piyapong Jiwattanakulpaisarn, Imperial College London; Robert Noland, Imperial College London; Daniel J. Graham, Imperial College London; John W. Polak, Imperial College London
- *The Effect of Automobile Tax System Revision*, Yuko Akune, Gendai Advanced Studies Research Organization; Hiroaki Miyoshi, Doshisha University
- *Commercial Airports and Regional Economies: An Exploratory Spatial Data Analysis*, Drake Warren, University of Illinois at Urbana-Champaign
- *Risk Analysis in Transportation Investment Projects*, Joseph Berechman, University of British Columbia

Discussants:

Joseph Berechman, University of British Columbia
 Drake Warren, University of Illinois at Urbana-Champaign
 Yuko Akune, Gendai Advanced Studies Research Organization
 Robert Noland, Imperial College London

108. Urban Sprawl (Tudor 7)**Chair:** Christopher Wheeler, Federal Reserve Bank of St. Louis**Organizer:** Gilles Duranton, University of Toronto

- *Typical Lots for Detached Houses in Residential Blocks and Lot Shape Analysis.*, Yasushi Asami, University of Tokyo; Yukari Niwa, University of Tokyo
- *Residential Equilibria in a Green Urban Area*, Dominique Peeters, Université catholique de Louvain; Jean Cavailles, INRA-CESAER, Dijon
- *A Simple Theory of Smart Growth and Sprawl*, Matthew Turner, University of Toronto
- *Urban Decentralization and Income Inequality: Is Sprawl Associated with Rising Income Segregation Across Neighborhoods?*, Christopher Wheeler, Federal Reserve Bank of St. Louis

Discussants:

Dominique Peeters, Université catholique de Louvain
 Matthew Turner, University of Toronto
 Christopher Wheeler, Federal Reserve Bank of St. Louis
 Stephen Sheppard, Williams College

109. Clusters II: Culture & Amenities (Quebec)**Chair:** Todd Gabe, University of Maine

- *What It Takes to Build a Cultural Cluster? The Case of Bucheon Cartoon and Animation Cluster in South Korea*, Heungsuk Choi, Korea University; Seungjoo Han, Korea University
- *Do Amenities and Diversity Encourage City Growth? A Link Through Skilled Labor*, Steven Poelhekke, European University Institute

- *Workforce Creativity and Earnings in U.S. Counties*, Todd Gabe, University of Maine
- *Geography Rules Too! Economic Development and the Geography of Institutions*, Maarten E. Bosker, Utrecht University; Harry Garretsen, Utrecht University

Discussants:

Todd Gabe, University of Maine
 Heungsuk Choi, Korea University
 Carey Durkin Treado, University of Pittsburgh
 Mauricio Ramirez, The Ohio State University

110. Economic Development & Growth Policies II (Montebello)

Chair: Roger R. Stough, George Mason Univ

- *Time Preferences for Community Improvement*, Scott Loveridge, Michigan State University; Janet Bokemeier, Michigan State University; Vandana Yadav, Michigan State University; Peter Kakela, Michigan State University; Bethann Whitaker, Michigan State University
- *Etic and Emic Perspectives of Regional Cross-Cultural Delphi Studies of Quality of Life in the United States and Japan*, Patrick Buckley, Western Washington University; Akio Takahashi, Meiji University, Japan
- *Modeling Endogenous Growth in the US Metropolitan Regions*, Roger R. Stough, George Mason Univ; Chunpu Song, George Mason University; Haifeng Qian, George Mason University; Jiamin Wang, George Mason University
- *The Distinctive City: Export versus Consumption Base Growth Dynamics*, Ann R Markusen, University of Minnesota; Greg Schrock, University of Illinois Chicago
- *Off-Shoring of Business Services and Deindustrialisation: Threat or Opportunity and for Whom?*, Frederic L. Robert-Nicoud, LSE

Discussants:

Breandan O Huallachain, Arizona State University
 Ann R Markusen, University of Minnesota
 Judith Stallmann, University of Missouri
 Frederic L. Robert-Nicoud, LSE
 Scott Loveridge, Michigan State University

111. Input-Output Analysis and CGE Models - Theoretical and Analytical Extensions (Banff 1)

Chair: Flavia M M Bliska, Agronomic Institute

Organizer: Richard J. Difrancesco, University of Toronto

- *Limiting CO2 Emissions in a Federal System: Understanding and Mitigating the Cost of U.S. Climate Policy at the State Level*, Ian Sue Wing, Boston University
- *The Introduction of Dynamic Features in a Random-Utility-Based Multiregional Input-Output Model of Trade, Production, and Location Choice*, Tian Huang, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin
- *Evaluating the Regional Economic Systems in Japan: A Dynamic CGE Approach*, Hiroyuki Shibusawa, Toyohashi University of Technology; Yoshiro Higano, University of Tsukuba; Yuzuru Miyata, Toyohashi University of Technology

- *Fully Closed Input-Output Models: Hawkins-Simon Stability Conditions and the Calculation of Infinite Multipliers*, Sam Cole, University At Buffalo

Discussants:

Kara Kockelman, University of Texas
 Oleg A. Smirnov, University of Toledo
 Jiemin Guo, US Dept Of Commerce
 Joao F. De Abreu, Pontifical Catholic University of Minas Gerais-Brazil

112. Labor and Employment (Whistler 1)

Chair: Robert M Gibbs, USDA - ERS

- *Learning or Matching: Productivity Gains in Urban Areas.*, Douglas J. Krupka, Georgia State University
- *Regional Employment Forecasts with Spatial Interdependencies*, Marcus Kunz, IAB; Norbert Schanne, IAB; Rüdiger Wapler, IAB; Antje Weyh, IAB; Katharina Hampel, Institute for employment research Germany, IAB
- *Producer Surpluses and Mobility Gains in Evaluating Local Employment Growth*, Joseph Persky, University of Illinois At Chicago; Daniel Felsenstein, Hebrew University of Jerusalem
- *Who Will Work the Fields: Labor Issues in Agriculture*, Edmund Tavernier, Rutgers University

Discussants:

Edmund Tavernier, Rutgers University
 Douglas J. Krupka, Georgia State University
 Marcus Kunz, IAB
 Joseph Persky, University of Illinois At Chicago

113. Spatial Statistics and Econometrics: Applications VII (Manitoba)

Chair: Andrew Mark Isserman, University of Illinois

- *A Microsimulation-Agent-Based Framework for Modelling Dutch Households*, Eveline S. Van Leeuwen, Free University Amsterdam; Dianna M. Smith, University of Leeds
- *Spatial Patterns of Cultural Activities in the Light of Employment and Population Suburbanisation : The Case of Paris MA 1978 ;1997*, Catherine Baumont, Director, LEG, Université de Bourgogne; Rachel Guillain, Université de Bourgogne
- *Why Some Rural Communities Prosper While Others Do Not*, Andrew Mark Isserman, University of Illinois; Edward J Feser, University of Illinois at Urbana-Champaign
- *Cournot Agglomeration and the Presence of Neighborhood Food Courts*, Sharon I O Donnell, Baylor College of Medicine

Friday, November 17

3:30pm – 5:30pm

4:00pm – 6:00pm

5:30pm – 6:30pm

Discussants:

Lianfa Li, Inst. of Geography Sciences and Natural Resources Research
Andrew Mark Isserman, University of Illinois
Monica Haddad, Iowa State University
George Christakos, San Diego State University

114. Travel Behavior and Transportation Network Design (British Columbia)

Chair: Eric J. Miller, University of Toronto

Organizers: Eric J. Miller, University of Toronto; David Boyce, Northwestern University

- *The Effect of Company Car Provision on the Employees' Travel Behavior*, Eva Gutierrez, Vrije Universiteit Amsterdam; Jos N. Van Ommeren, Vrije Universiteit Amsterdam; Thomas De Graaff, Vrije Universiteit Amsterdam
- *A Structural Model of Commuting in the Presence of Congestion and Tolls: Implications for Road Pricing Policy*, Thomas Light, Cornell University
- *Forecasting Travel for Very Large Cities: Challenges and Opportunities for China*, David Boyce, Northwestern University; Cherry Xiong, PTV America
- *Interurban Transport in China in 2050*, Dominique Andre Bouf, CNRS

Discussants:

Thomas Light, Cornell University
Mohamed Wahba, University of Toronto
Eva Gutierrez, Vrije Universiteit Amsterdam
Stephanie Souche

4:00 PM—6:00 PM

115. RSAI Council (Nova Scotia) By Invitation

5:30 PM—6:30 PM

116. WRS Happy Hour (Library Bar)

117. CRSA Annual General Meeting (Banff 1)

SATURDAY, NOVEMBER 18**8:00 AM—10:00 AM (Sessions 118 – 131)****118. Assessing Regional and Urban Development Policy (Manitoba)****Chair:** Lynne Pepall**Organizer:** Mark Brown, Statistics Canada

- *U.S. Regional Development Policy in Perspective: An International Comparative Assessment*, Jason Paul Brown, Purdue University; R J G M Florax, Purdue University
- *Competition Among Government Units in the Metropolitan USA: Beneficial or Detrimental to Economic Growth.*, Georg Grassmueck, Penn State University; Martin L Shields, Penn State University
- *State Investment Tax Incentives: A Zero-Sum Game?*, Robert Chirinko, Emory University; Daniel J. Wilson, San Francisco Fed
- *Targeted Transfers, Investments and Spillovers*, Lynne Pepall; Daniel Richards, Tufts University

Discussants:

Daniel Richards, Tufts University
 Jason Paul Brown, Purdue University
 Georg Grassmueck, Penn State University
 Daniel J. Wilson, San Francisco Fed

119. Creative Class or Knowledge Aristocracy? Canadian Perspectives on the Role of Human Capital in Local Economic Growth I (Confederation 3)**Chair:** Mario Polese, University of Quebec**Organizer:** Mario Polese, University of Quebec

Six papers, which present research results on the relationship between human capital endowments and urban growth for North American cities, followed by a roundtable discussion on Richard Florida's thesis

- *Determinants of Human Capital Growth in North American Cities: 1980-2000*, Guy Gellatly, Statistics Canada; Mark Brown, Statistics Canada; Desmond Beckstead, Statistics Canada
- *Skills, Education and Canadian Provincial Disparity*, Serge Coulombe, University of Ottawa; Jean-François Tremblay, University of Ottawa
- *Moncton, New Brunswick: A Prosperous and Growing Micro-metropolis in a Peripheral Region*, Pierre-Marcel Desjardins, Université De Moncton
- *The Impact of Human Capital Endowments on Urban Growth: An Analysis for 152 Canadian Urban Areas*, Philippe Chenard, INRS-UCS

Discussants:

Serge Coulombe, University of Ottawa
 Christophe Ribichesi, University of Quebec
 Christophe Ribichesi, University of Quebec
 Mark Brown, Statistics Canada

120. Honouring Masahisa Fujita: Sprawl (Territories)**Chair:** Richard Arnott, Boston College**Organizers:** Richard Arnott, Boston College; Gilles Duranton, University of Toronto

- *Urban Decline, Urban Sprawl, and the Double Dividend Hypothesis*, Antonio Bento, University of Maryland
- *Measuring and Modeling Urban Sprawl: Data, Scale and Spatial Dependencies*, Elena Irwin, Ohio State University; Hyun Jin Cho, Ohio State University; Nancy Bockstael, University of Maryland
- *The Relationship Between the Growth in Residential Land Use and Population*, Diego Puga, Universitat Pompeu Fabra; Henry G. Overman, London School of Economics; Matthew Turner, University of Toronto
- *Infill Versus Outgrow: Estimating the Microstructure of Urban Expansion*, Stephen Sheppard, Williams College

Discussants:

Sam Bucovetsky, York University
 Tomoya Mori, Kyoto University
 Jacqueline Geoghegan, Clark University
 Henry G. Overman, London School of Economics

121. Knowledge Economy III (Saskatchewan)**Chair:** Meir Russ, UW-Green Bay**Organizers:** Hanas A. Cader, South Carolina State University; John Leatherman, Kansas State University

- *Regional Economic Development Indicators for a Knowledge Based Economy - A proposal and early findings of a framework for a knowledge deprived region in transition*, Meir Russ, UW-Green Bay; Jeannette K. Jones K. Jones, Franklin University
- *Economic Impact of Broadband Infrastructure Investment in Kentucky*, Narine Badasyan, Murray State University; David W. Shideler, Murray State University
- *A New Benchmark for Internet Use in Canada: Comparison of Rural and Urban Internet Use*, Peter Czerny, Industry Canada; Anthony Noce, Industry Canada; Heather Clemenson, Industry Canada; Larry McKeown, Statistics Canada
- *Regional Knowledge Accessibility and Regional Economic Growth*, Urban Gråsjö, University West; Martin Andersson, Jönköping International Business School; Charlie Karlsson, Jönköping International Business School

Discussants:

David W. Shideler, Murray State University
 Kenkichi Nagao, Osaka City University
 Maria Abreu, University of Cambridge
 Bernardo Herrera, Universidad de los Andes

122. Local Taxation and Public Goods (Tudor 7)**Chair:** Tara Watson, Williams College**Organizer:** Gilles Duranton, University of Toronto

- *Taxable Agglomeration Rent: Evidence from a Panel Data*, Sylvie Charlot, INRA; Sonia Paty, INRA & University of Lille 1
- *Estimating Equilibrium Models of Local Jurisdictions: A Discrete Choice Approach with Individual and Community-Level Data*, Kurt Schmidheiny, Universitat Pompeu Fabra; Yannis Ioannides, Tufts University
- *Restructuring Public Transit Systems: Evidence on Cost Properties and Optimal Network Configuration from Medium and Large-Sized Companies*, Davide Vannoni, University of Torino; Massimiliano Piacenza, Ceris-CNR National Council of Research; Carlo Cambini, Polytechnic of Torino
- *The Effect of Local Fiscal Policies on Urban Wage Structure*, Tara Watson, Williams College; Lara Shore-Sheppard, Williams College; Patricia Beeson, University of Pittsburgh

Discussants:

Kurt Schmidheiny, Universitat Pompeu Fabra
 Davide Vannoni, University of Torino
 Tara Watson, Williams College
 Sylvie Charlot, INRA

123. Location Theory and Industrial Symbiosis: I (Jasper 1)**Chair:** Raymond P. Cote, Dalhousie University**Organizer:** Pierre Desrochers, U of T at Mississauga

- *Industrial Symbiotic Ideas in Classical Location Theories*, Kim Mook, Rutgers University
- *Regional Analysis and the Development of Interindustrial Recycling Linkages: Rediscovering a Lost Tradition.*, Pierre Desrochers, U of T at Mississauga
- *Recycling as Nuisance: Regulating Ferrous Scrap Trading in Chicago, 1910-1960*, Carl Zimring, Oberlin College
- *The Industrial Region as a Promising Unit for Eco-Industrial Development*, Thomas Sterr, University of Heidelberg

Discussants:

Noel Jacobsen, Roskilde University
 Keith D. West, UW-Marinette
 Raymond P. Cote, Dalhousie University
 Carl Zimring, Oberlin College

124. Measurement of Agglomeration (Tudor 8)**Chair:** Arthur O Sullivan, Lewis And Clark College**Organizer:** Diego Puga, Universitat Pompeu Fabra

- *In Search of a Monocentric City*, Bentley Coffey, Clemson University
- *Intercity Interaction*, Andrea Lamorgese, Banca d'Italia; Gianmarco Ottaviano, University of Bologna

- *Using GIS to Map and Measure the Spatial Distribution of Employment within Cities*, Arthur O'Sullivan, Lewis & Clark College

Discussants:

Andrea Lamorgese, Banca d'Italia
 Arthur O Sullivan, Lewis and Clark College
 Bentley Coffey, Clemson University

125. Transport for the 21st Century: Applications I (Algonquin)

Chair: Darren Scott, McMaster University

Organizers: Ron N. Buliung, U of T, Mississauga; Darren Scott, McMaster University

- *Where People Socialise and With Whom: Studying the Distance Between Social Network Members*, Juan A. Carrasco, University of Toronto; Eric J. Miller, University of Toronto; Barry Wellman, University of Toronto
- *Advanced Traveler Information Systems in the Era of Population Aging: A Tool Compatible for Senior's Travel Safety and Flexibility*, Ting Zhang, George Mason University
- *Mobility Benefits and Quality of Life: A Time-Use Perspective of Elderly Canadians*, Jamie Spinney, Saint Mary's University; Darren Scott, McMaster University; Bruce Newbold, McMaster University
- *Where have all the Weekends Gone? Comparative Analysis of Weekday and Weekend Activity Spaces using Data from the Toronto Travel Activity Panel Survey (TTAPS)*, Ron N. Buliung, U of T, Mississauga; Tarmo K. Rimmel, York University

Discussants:

Ron N. Buliung, U of T, Mississauga
 Jamie Spinney, Saint Mary's University
 Ting Zhang, George Mason University
 Juan A. Carrasco, University of Toronto

126. Contemporary Topics in Regional Science II: Disasters and Pollution (Whistler 1)

Chair: William Bowen, Cleveland State University

- *Relocating the Displaced: Alternative Frameworks for Disaster Response Evacuation*, Andrew J Krmenc, Northern Illinois University
- *The Economic Loss of a Potential Hurricane Strike on the Houston-Galveston Area*, Qisheng Pan, Texas State University
- *An Analysis of the Effect of the New General Waste Management System in Taipei, Taiwan*, Piyueh Tsai, University of Tsukuba; Yoshiro Higano, University of Tsukuba
- *Economic Valuation of Communication on Flood Risk Management: Designated Emergency Floodplains as a Quasi-experiment*, Vanessa E. Daniel, Vrije Universiteit; R J G M Florax, Purdue University; Piet Rietveld, Dpt. Spatial economics, Vrije Universiteit, Amster

Discussants:

Qisheng Pan, Texas State University
 Andrew J Krmenc, Northern Illinois University

T. R. Lakshmanan, Boston University
Piyueh Tsai, University of Tsukuba

127. Econometric Analysis - Sectoral Analyses (Banff 1)

Chair: Catherine Baumont, Director, LEG, Université de Bourgogne

Organizer: Richard J. Difrancesco, University of Toronto

- *Agglomeration Economies in the Japanese Manufacturing Industries: Using Translog Production Function*, Suminori Tokunaga, University of Tsukuba; Masahiro Kageyama, University of Tsukuba; Yuko Akune, Gendai Advanced Studies Research Organization
- *Some New Estimates of Returns to Scale for EU Regional Manufacturing, 1986-2002*, John McCombie, University of Cambridge; Mark Roberts, University of Cambridge; Alvaro Angeriz, University of Cambridge
- *Stages of Diversification of European Metropolises*, Catherine Baumont, Director, LEG, Université de Bourgogne; Christian Longhi, Gredeg-demos ; Antonio Musolesi, LEG Université de Bourgogne

Discussants:

Corinne Autant-Bernard, University of Saint-Etienne
David M. Brasington, Louisiana State University
Sungsoon Hwang, DePaul University

128. Economic Development & Growth Policies III (Montebello)

Chair: Brian J. Osoba, University of Texas at El Paso

- *A New Approach to the Selection of Key Sectors: China, South Korea, the Netherlands, the United States*, Jan Oosterhaven, University of Groningen
- *Recruiting Big-Box Retailers as an Economic Development Strategy*, Judith Stallmann, University of Missouri; Georgeanne Artz, University of Missouri
- *Entrepreneurs, Angels, and a Region's Quality of Life*, Wilbur R Maki, University of Minnesota
- *Religious Adherent Concentration and State Production*, Brian J. Osoba, University of Texas at El Paso

Discussants:

Patrick Buckley, Western Washington University
Roger R. Stough, George Mason Univ
Katherine C Chalmers, California State University--Sacramento
Peter Nijkamp, Free University

129. Spatial Statistics and Econometrics: Theory and Methods IV (Alberta)

Chair: Jinfeng Wang, Inst. of Geography Sciences and Natural Resources

- *Intra-distribution Dynamics of Regional labor productivity in Europe*, Roberto Basile, ISAE
- *Using Bayesian Model Averaging to Estimate Spatial Interactions in the Knowledge Production Functions*, James Lesage, Texas State University - San Marcos; Olivier Parent, University of Cincinnati
- *A Systematic Design for a Spatial Sampling Package*, Jinfeng Wang, Inst. of Geography Sciences and Natural Resources ; Lianfa Li, Inst. of Geography

- Sciences and Natural Resources Research; Zhidong Cao, Inst. of Geography Sciences and Resources Research; Xiaolei Feng, Inst. of Geography Science and Resources Research; Lili Zhang, Inst. of Geography Sciences and Resources Research; Ershun Zhong, Inst. of Geography Sciences and Resources Research
- *CGE Modeling in Space: A Survey*, Kieran Donaghy, Urban & Regional Planning UIUC; Bernard Fingleton, Dept. of Land Economy, Cambridge University

Discussants:

- Petra Stauffer-Steinnocher, Vienna University of Economics and Business Administration
 Juan Duque, San Diego State University
 Adela P. Nistor, Purdue University
 Eun-Hye Yoo, University of California, Santa Barbara

130. Tax and Fiscal Policy (Quebec)

Chair: Irina Nikolayevna Strelnikova, Colorado State University

- *On Measurement of Fiscal Decentralization in Indonesia*, Fauziah Swasono, Faculty of Economics, University of Indonesia
- *Globalization, Tax Policies and Labor Market*, Nelly Exbrayat, CREUSET, University of Saint-Etienne; Carl Gaigné, INRA-ESR Rennes; Stéphane Riou, CREUSET, University of Saint-Etienne
- *Tax interactions in the European Union: The Effect of Differences in Institutional and Tax Systems*, Aurelie Cassette, MEDEE EQUIPPE; Hubert Jayet, Medee-equipe
- *The Effects of an Increase in the Property Tax Rate on Communities with Differing Own-Price Elasticities of Housing Demand*, Irina Nikolayevna Strelnikova, Colorado State University; Harvey Cutler, Colorado State University

Discussants:

- Irina Nikolayevna Strelnikova, Colorado State University
 Fauziah Swasono, Faculty of Economics, University of Indonesia
 Nelly Exbrayat, CREUSET, University of Saint-Etienne
 Aurelie Cassette, MEDEE EQUIPPE

131. Transportation and the Environment (British Columbia)

Chair: Matthew Roorda, University of Toronto

Organizer: Eric J. Miller, University of Toronto

- *Comparison Between the Environmental Impact from Aircraft and High-Speed Train Operation*, Moshe Givoni, Free University
- *A Comparison of the Economic Value of Airport Noise and Regional Economic Impacts of Aviation Growth*, Ryan Tam, Massachusetts Institute of Technology
- *Energy Consumption and Spatial Interaction*, Morton E. O'Kelly, Ohio State University; Michael Niedzielski, The Ohio State University
- *Multi-agent Simulation used in a Real World Scenario on Environmentally-Oriented Road Pricing Schemes*, Ulrike Beuck, TU Berlin; Kai Nagel, TU Berlin; Marcel Rieser, TU Berlin

Discussants:

Ryan Tam, Massachusetts Institute of Technology

Aisling Reynolds-Feighan, University College Dublin

Ulrike Beuck, TU Berlin

Moshe Givoni, Free University

10:15 AM—12:15 PM (Sessions 132 – 145)

132. Econometrics: Theory & Practice I (British Columbia)

Chair: R. Kelley Pace, Louisiana State

Organizer: Richard J. Difrancesco, University of Toronto

- *Optimal Market "Grain" Over Space and Time*, Richard Schuler, Cornell University
- *A "dual" Gravity Model: Using Spatial Econometrics to Control for Multilateral Resistance*, Kristian Behrens, CORE Université catholique de Louvain; Cem Ertur; Wilfried Koch
- *Economist's Guide to Spatial Interactions*, Oleg A. Smirnov, University of Toledo
- *Maximum Simulated Likelihood Estimation with Correlated Observations: A Comparison of Simulation Techniques*, Xiaokun Wang, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin

Discussants:

Andrew J Buck, Temple University

Richard Schuler, Cornell University

Xiaokun Wang, The University of Texas at Austin

Asao Ando, Tohoku University

133. Honouring Masahisa Fujita (Territories)

Chair: John M. Quigley, University of California

Organizers: John M. Quigley, University of California; Gilles Duranton, University of Toronto

- *Why Have Housing Prices Gone Up?*, Edward Glaeser, Harvard University
- *Urbanization and City Growth: the Role of Institutions*, J Vernon Henderson, Brown University; Hyoung-Gun Wang, World Bank

- *Empirical Analyses of Industrial Agglomeration*, Tony Smith, University of Pennsylvania; Tomoya Mori, Kyoto University

134. Knowledge Economy IV (Saskatchewan)

Chair: David W. Edgington, UBC

Organizers: Hanas A. Cader, South Carolina State University; John Leatherman, Kansas State University

- *Growth and Technological Leadership in U.S. Industries: A Spatial Econometric Analysis at the State Level, 1963-2005*, Valerien Olivier Pedé, Purdue University; R J G M Florax, Purdue University; Henri L.F. De Groot, Free University
- *Entrepreneurship on the Elderly? Elderly Self-employment in the Aging Knowledge Economy*, Ting Zhang, George Mason University
- *The Kyoto Research Park and Innovation in Japanese Cities*, David W. Edgington, UBC
- *Changing Forces of Governance in Global User-Producer Relations and Clustering – Value Chains in Japan and Germany*, Michael Plattner, Osaka City University/ University Trier; Kenkichi Nagao, Osaka City University

Discussants:

Ting Zhang, George Mason University
 Charlie Karlsson, Jönköping International Business School
 Brigitte S. Waldorf, Purdue University
 David W. Edgington, UBC

135. Location Theory and Industrial Symbiosis: II (Jasper 1)

Chair: Thomas Sterr, University of Heidelberg

Organizer: Pierre Desrochers, U of T at Mississauga

- *A Regional Framework for Local Eco-industrial Networks in Nova Scotia*, Raymond P. Cote, Dalhousie University
- *Lost Potential, or Merely Postponed? Case Studies of Eco-Industrial Projects in the U.S.*, Keith D. West, UW-Marquette
- *Industrial Symbiosis: Improving Environmental Performance by Means of Industrial Agglomeration*, Noel Jacobsen, Roskilde University
- *Office Location Decisions: Analysis of the Results of SOLD*, Ilan Elgar, University of Toronto

Discussants:

Pierre Desrochers, U of T at Mississauga
 Kim Mook, Rutgers University
 Carl Zimring, Oberlin College
 Wilbur R Maki, University of Minnesota

136. The CREAP: A project for Canadian Regional CGE Analysis (Quebec)

Chair: Hiroyuki Shibusawa, Toyohashi University of Technology

Organizer: Randall Wigle, Wilfrid Laurier U.

The session will involve an overview of the CREAP data and model plus some applications to various topics. <http://creap.wlu.ca>

- *Overview of the Canadian Regional Economic Analysis Project*, Randall Wigle, Wilfrid Laurier U.
- *Fraying Over Paying: Who Will Bear the Costs of Greenhouse Policy in Canada*, Tracy Snoddon, Wilfrid Laurier University; Randall Wigle, Wilfrid Laurier U.
- *Bottlenecks and Inspection at the Canada--US Border*, Trien Nguyen, University of Waterloo; Randall Wigle, Wilfrid Laurier U.
- *Impacts of BSE on World Trade in Cattle and Beef: Implications for the Canadian Economy*, Maury Bredahl, University of Guelph; Jeevika Weerahewa, University of Guelph; Randall Wigle, Wilfrid Laurier U.

Discussants:

Tian Huang, The University of Texas at Austin
 Taka Ueda, University of Tokyo
 Ian Sue Wing, Boston University

137. The Practice of Local Economic Development (Montebello)

Chair: Michael J. Taylor, University of Birmingham

Organizer: Neil Reid, Univ. Of Toledo

- *Clusters, Hi-Tech Corridors and Polycentricity: Regional Policy and Practice in the West Midlands Region, UK*, Michael J. Taylor, University of Birmingham; John R. Bryson, University of Birmingham
- *Economic Development beyond the City: Economy, Enterprise, Environment and Innovation and the rise of the E3 I belt surrounding the Birmingham conurbation, UK*, John R. Bryson, University of Birmingham; Michael J. Taylor, University of Birmingham
- *The Role of Universities in the Development of a New Industrial Cluster*, Neil Reid, Univ. Of Toledo; Michael C. Carroll, Bowling Green State University
- *Potential Cluster Areas: A Spatial Autocorrelation Approach*, Michael C. Carroll, Bowling Green State University; Bruce Smith, Bowling Green State University

Discussants:

Philip McCann, The University of Waikato

138. Tourism and Regional Science: Applications (Banff 1)

Chair: Sam Cole, University At Buffalo

- *Comparative Analysis of Economic Impact of Tourism as an Industry over Host Community*, Tadayuki Hara, University of Central Florida
- *The Dynamic Issues of Tourism in Small Economies – Beyond the Resort Life Cycle.*, Sam Cole, University At Buffalo
- *Culture Regions*, Victoria M. Razak, University at Buffalo
- *Analysis on the Economic Impact of Agri-tourism in the Peripheral Regions in the State of Florida*, Tadayuki Hara, University of Central Florida; Sandra Naipaul, University of Central Florida

Discussants:

Li Yin, University At Buffalo
 Pedro G. Carvalho, Universidade Beira Interior

Min Kook Kim, University of Maine
Sam Cole, University At Buffalo

139. Transport for the 21st Century: Applications II (Algonquin)

Chair: Ron N. Buliung, U of T, Mississauga

Organizers: Darren Scott, McMaster University; Ron N. Buliung, U of T, Mississauga

- *Household Demand for Alternative Fuelled Vehicles in Hamilton, Canada*, Dimitris Potoglou, OTB Research Institute for Urban, Housing and Mobi; Pavlos Kanaroglou, McMaster University
- *The Potential for Premium-intermodal Services to Reduce Freight CO2 Emissions in the Quebec City - Windsor Corridor: A Stated Preference Application*, Zachary Patterson, McGill University; Gordon O. Ewing, McGill University; Murtaza Haider, McGill University
- *Analyzing the Airline Network Structure in the US Domestic-passenger Airline Market*, Sol Hyon Baek, State University of New York at Buffalo; Narushige Shiode, The State University of New York, Buffalo
- *Evaluating the Use of Parking Spaces in Strategic Urban Areas Using Travel Survey Data*, Catherine Morency, Ecole Polytechnique; Benjamin Saubion, Ecole Nationale des Travaux Publics de l'Etat, Lyo; Martin Trepanier, Ecole Polytechnique de Montreal

Discussants:

Zachary Patterson, McGill University
Dimitris Potoglou, OTB Research Institute for Urban, Housing and Mobi
Catherine Morency, Ecole Polytechnique
Sol Hyon Baek, State University of New York at Buffalo

140. Contemporary Topics in Regional Science III (Whistler 1)

Chair: Marlon Boarnet, University of California Irvine

- *Interdependent Behavior of Local Governments: Dutch Evidence Using a Linear Expenditure System*, Paul Elhorst, University of Groningen; Maarten Allers, University of Groningen
- *Average Patent Pendancy and Examination Errors: A Queuing Theoretic Analysis*, Amitrajeet Batabyal, Rochester Institute of Technology; Gregory J. Deangelo, University of California at Santa Barbara
- *A Multisectoral Model of Urban Governance and Modes of Economic Coordination*, T. R. Lakshmanan, Boston University; Lata R. Chatterjee, Boston University
- *Assessing Benefits of Slum Upgrading Programs in Second Best Settings*, Basab Dasgupta, The World Bank; Somik V. Lall, The World Bank

Discussants:

Breandan O Huallachain, Arizona State University
Ryo Itoh, Tohoku University
Ron Cheung, Florida State University
Paul Elhorst, University of Groningen

141. GIS Applications (Tudor 7)**Chair:** Robert J. Stimson, University of Queensland**Organizer:** Ron N. Buliung, U of T, Mississauga

- *Estimation and Choice of Economic Distances*, Norihiko Yamano; Akihiro Otsuka
- *Understanding Neighborhood Demographics Through the Kohonen Algorithm and GIS*, Seth E. Spielman, SUNY Buffalo; Jean-Claude F Thill, Univ. of North Carolina at Charlotte
- *Network Modeling for Spatial Heterogeneity in the Dispersion of Communicable Diseases*, Ling Bian, University at Buffalo
- *Modelling Political Landscapes at the 2004 Australian Federal Election*, Robert J. Stimson, University of Queensland; Prem Chhetri, The UQ Social Research Centre; Tung-Kai Shyy, The UQ Social Research Centre

Discussants:

Seth E. Spielman, SUNY Buffalo

Zhe Li, Clark University

Robert J. Stimson, University of Queensland

Norihiko Yamano

142. Spatial Statistics and Econometrics: Theory and Methods V (Alberta)**Chair:** Eun-Hye Yoo, University of California, Santa Barbara

- *Adaptive Kernel Density Estimation for Analysing Spatio-Temporal Point Patterns – An Application to Food Retailing Markets*, Petra Stauer-Steinnocher, Vienna University of Economics and Business Administration
- *Identifying Temporal Lag in Analytical Regionalisation Procedures*, Juan Duque, San Diego State University; Xinyue Ye, San Diego State University
- *Spatial Modeling of Yield Monitor Data: Implications for Crop Yields with Drainage Water Management*, Adela P. Nistor, Purdue University
- *Spatial Modeling House Prices Using Multivariate Factorial Kriging*, Eun-Hye Yoo, University of California, Santa Barbara

Discussants:

Roberto Basile, ISAE

Zuoquan Zhao, George Mason University

Petra Stauer-Steinnocher, Vienna University of Economics and Business Administration

Jinfeng Wang, Inst. of Geography Sciences and Natural Resources

143. Transportation and Land Use I (Manitoba)**Chair:** David M Levinson, University of Minnesota

- *Microsimulating Land Development with the Land Use Scenario Developer (LUSDR)*, Brian Gregor, Oregon Department of Transportation
- *Land-Use Transport Interaction Modelling for Highway Scheme Appraisal*, David C. Simmonds, David Simmonds Consultancy; James Nicoll, David Simmonds Consultancy

- *The Co-evolution of Land Use and Road Networks*, David M Levinson, University of Minnesota; Feng Xie, University of Minnesota; Shanjiang Zhu, University of Minnesota
- *An Evaluation of Transportation Network Strategies and Network Competition*, Aisling Reynolds-Feighan, University College Dublin

Discussants:

Jason Lemp, The University of Texas at Austin
 Aisling Reynolds-Feighan, University College Dublin
 Roberto Patuelli, Free University
 Mario Bravo, Universidad de Chile

144. Urban Economics III (Tudor 8)

Chair: Nikolaos W. Yiannakoulias, University of Alberta

- *Micro and Macro Effects of New Out-of-Town Shopping; Combining Microsimulation and SAMs.*, Eveline S. Van Leeuwen, Free University Amsterdam; Graham P. Clarke, University of Leeds
- *The Regional Impact of Outsourcing*, Harvey Cutler, Colorado State University
- *Two Versus Many: The Analytical Relevance of the Geographical Dimension in NEG Models*, Dirk Stelder, University of Groningen
- *The Leviathan Hypothesis: Evidence from Panel Data Sets on EU countries*, Sonia Paty, INRA & University of Lille 1; Aurélie Cassette, University of Lille 1

Discussants:

Barney Warf, Florida State University
 Dayton M. Lambert, University of Tennessee
 Sonia Paty, INRA & University of Lille 1
 Charles A Ingene, University of Mississippi

145. Creative Class or Knowledge Aristocracy? Canadian Perspectives on the Role of Human Capital in Local Economic Growth II (Roundtable) (Confederation 3)

Chair: Mario Polese, University of Quebec

Organizer: Mario Polese, University of Quebec

Six papers, which present research results on the relationship between human capital endowments and urban growth for North American cities, followed by a roundtable discussion on Richard Florida's thesis.

- *The Geographic Diversity of American Regional Growth: A Geographically Weighted Regression Approach*, Kamar Ali, University of Saskatchewan; Dan S Rickman, Oklahoma State University; M Rose Olfert, University of Saskatchewan
- *The New Knowledge Aristocracy: A Few Thoughts on the Creative Class, Mobility and Urban Growth*, Richard Shearmur

Discussants:

Richard Shearmur

Mark D. Partridge, Ohio State University

12:15 PM—2:45 PM

146. Awards Luncheon (Imperial Room)

3:00 PM—5:00 PM (Sessions 147 – 160)

147. Contemporary Topics in Regional Science IV (Montebello)

Chair: Janet Kohlhase, University of Houston

- *Commitment and Typicality Measurements for Fuzzy ARTMAP Neural Network*, Zhe Li, Clark University
- *Interdependence in the Technology Adoption Decision Among Municipalities*, Miles Finney, California State University - Los Angeles; Man Yoon, California State University - Los Angeles
- *Multi-Dimensional Fuzzy Cluster Analysis and Visualization of Urban Growth Data*, Yorgos N Photis, University of Thessaly; Panos Manetos, University of Thessaly
- *Modeling Urban Growth Using a Variable Grid Cellular Automata*, Jasper Van Vliet, Wageningen University; Roger White, Memorial University; Suzana Dragicevic, Simon Fraser University

Discussants:

Miles Finney, California State University - Los Angeles

Yorgos N Photis, University of Thessaly

Jasper Van Vliet, Wageningen University

Zhe Li, Clark University

148. Econometrics: Theory & Practice II (British Columbia)

Chair: Luis A. Galvis, University of Illinois at Urbana-Champaign

- *Coffee Grain Production and Processing Industry at Brazilian Producer States: Relations Among Productive Sectors and National Economy Assessed by an Interregional Input-Output Approach*, Flavia M M Bliska, Agronomic Institute; Joaquim Jm Guilhoto, FEA/USP; Luiz C. Fazuoli; Oliveira Guerreirofilho; Gerson S. Giomo; Roberto A. Thomaziello
- *Conflicts within Interregional Developments and the Use of Mediation Science*, Walter Isard, Cornell University
- *Unemployment and Criminality. The Use of Markov Switching Models to identify a Link*, Firouz Fallahi, University of Ottawa; Gabriel Rodriguez, University of Ottawa
- *Regional Wage Inequalities in Colombia*, Luis A. Galvis, University of Illinois at Urbana-Champaign

Discussants:

Firouz Fallahi, University of Ottawa
 Richard Schuler, Cornell University
 Luis A. Galvis, University of Illinois at Urbana-Champaign
 Daniel Griffith, University of Texas At Dallas

149. Honouring Masahisa Fujita: New Economic Geography (Territories)

Chair: Diego Puga, Universitat Pompeu Fabra

Organizers: Jacques Thisse, CORE/Louvain; Gilles Duranton, University of Toronto

- *Tax Competition, Location, and Horizontal Foreign Direct Investment*, Kristian Behrens, CORE Université catholique de Louvain; Pierre Picard, University of Manchester
- *Intergenerational Linkages and Economic Geography*, Yasusada Murata, Nihon University
- *Preference Heterogeneity and Economic Geography*, Antonella Nocco, University of Lecce
- *Economic Development Capitalizing on Brand Agriculture: Turning Development Strategy on Its Head*, Masahisa Fujita, Kyoto University

Discussants:

Yasusada Murata, Nihon University
 Antonella Nocco, University of Lecce
 Masahisa Fujita, Kyoto University
 Kristian Behrens, CORE Université catholique de Louvain

150. Location and Economic Development (Tudor 8)

Chair: Prem Chhetri, The UQ Social Research Centre

Organizer: Mark Brown, Statistics Canada

- *Key Competitors and the Domino Effect in a Retail Gasoline Market*, Benjamin Atkinson, Competition Bureau; Andrew Eckert, University of Alberta; Douglas S West, University of Alberta
- *Do Concentrated Animal Feeding Operations (called CAFOs) Contribute to Community and Economic Development? Social, Human, and Financial Capital in Iowa's 99 Counties*, Jan Flora; Jan Flora; Qiaoli Lily Chen, Iowa State University
- *The Importance of Socio-Demographic Indicators in Regional Disparities in Turkey, 1990-2000*, Ayse Gedik, Orta Dogu Teknik Universitesi
- *Networks and Firm Location*, José Pedro Pontes, Technical University of Lisbon

Discussants:

John B. Parr, University of Glasgow
 Benjamin Atkinson, Competition Bureau
 Jan Flora
 Sergio Meza, Rotman School of Management, University of Toronto

151. Rural Development VII: Factors Contributing to Decreasing Working Poor in Rural Counties: Comparative Case Studies of Outliers (Jasper 1)

Chair: Scott Loveridge, Michigan State University

Organizers: Scott Loveridge, Michigan State University; Peter V Schaeffer, West Virginia University

- *The Role of the Community in Addressing the Growth of the Working Poor*, Cornelia Flora, Iowa State University
- *Globalization and Worker Displacement: Is There Life After Converse?*, Michael Schulman
- *Growth in the Working Poor: A Cross-Sectional Model of the Rural Counties in the North Central United States and Demographic Overview of Outlier Counties*, Cynthia D. Anderson, Ohio University; Chih-Yuan Weng
- *Exploring County Outliers in Selected States*, Cornelia Flora, Iowa State University; Richard Goe, Kansas State University; Scott Loveridge, Michigan State University; Linda Lobao, Ohio State University; Vandana Yadav, Michigan State University; Pamela Thomas, Ohio State University; Nicole Schlesinger, Michigan State University;

Discussants:

Peter V Schaeffer, West Virginia University
 Maureen Kilkenny, University of Nevada Reno
 Robert M Gibbs, USDA - ERS
 Scott Loveridge, Michigan State University

152. Time Series Analysis of Regional Economies (Confederation 3)

Chair: Edward Coulson, Penn State University

Organizer: Edward Coulson, Penn State University

- *Using Spatial and Economic Base Information in Bayesian Vector Autoregression Forecasting of Metropolitan Area Employment*, Dan S. Rickman, Oklahoma State University; Russell McKenzie, Southeastern Louisiana University; Stephen R. Miller, Wichita State
- *The Economic Performance of Cities: A Markov-Switching Approach*, Michael Owyang, Federal Reserve Bank of St. Louis; Michael Piger, University of Oregon; Howard Wall, Federal Reserve Bank of St. Louis; Christopher Wheeler, Federal Reserve Bank of St. Louis
- *The Great Moderation in Economic Volatility: A View from the 50 States*, Gerald Carlino, Federal Reserve Bank of Philadelphia; Keith Sill, Federal Reserve Bank of Philadelphia; Robert Defina, Villanova University
- *The Long Run Shift-Share*, Edward Coulson, Penn State University

Discussants:

Christopher Wheeler, Federal Reserve Bank of St. Louis
 Edward Coulson, Penn State University
 Mark D. Partridge, Ohio State University
 Dan S. Rickman, Oklahoma State University

153. Tourism and Regional Science: Theory (Banff 1)

Chair: Sam Cole, University at Buffalo

Organizer: Sam Cole, University at Buffalo

- *GIS User Interface Development for Landscape Analysis and Recreation Information for Downeast Easement, Maine*, Min Kook Kim, University of Maine
- *Key issues in Tourism Strategies*, Pedro G. Carvalho, Universidade Beira Interior
- *Assessing Indirect Spatial Effects of Mountain Tourism Development: A Case Study of Breckenridge, Colorado*, Li Yin, University at Buffalo
- *An economic theory of international migration, attachment to the host country and international travel.*, Philip McCann, The University of Waikato; Jacques Poot, University of Waikato

Discussants:

Tadayuki Hara, University of Central Florida
 Victoria M. Razak, University at Buffalo
 Min Kook Kim, University of Maine
 Pedro G. Carvalho, Universidade Beira Interior

154. Econometric Methods (Tudor 7)**Chair:** Asao Ando, Tohoku University**Organizer:** Richard J. Difrancesco, University of Toronto

- *Microsimulation of Home Choices for Residential Market Equilibrium*, Brenda Zhou, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin
- *A Recursive Model for Economic Evaluation of Global Warming and Space-Time Resolutions*, Asao Ando, Tohoku University; Kazunori Nakajima, Tohoku University
- *Predicting the Distribution of Households and Employment: A Seemingly Unrelated Regression Model with Two Spatial Processes*, Brenda Zhou, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin
- *Specification and Estimation of a Spatially and Temporally Autocorrelated Seemingly Unrelated Regression Model: Application to Crash Rates in China*, Xiaokun Wang, The University of Texas at Austin; Kara M Kockelman, University of Texas at Austin

Discussants:

Xiaokun Wang, The University of Texas at Austin
 Randall Wigle, Wilfrid Laurier U.
 Asao Ando, Tohoku University
 Peter Nijkamp, Free University

155. Freight Flows, Supply Chains, and Networks (Algonquin)**Chair:** Kieran Donaghy, Urban & Regional Planning UIUC**Organizer:** David Boyce, Northwestern University

- *Network Effects, Heterogeneous time value and network formation in the airline market*, Akio Kawasaki, Kyushu-University
- *Trip Table Realization and Their Impacts on Assigned Link Flows*, Wenjing Pu, University of Illinois at Chicago; David Boyce, Northwestern University; Jane Lin, University of Illinois Chicago

- *Dynamic Multi-Region Competition in Supply Chain Networks Subject to Disruption*, R Mookherjee, Penn State; Terry L. Friesz, Penn State
- *A Micro-foundations Approach to Modeling the Evolution of Commodity Flows in the Midwest United States*, Kieran Donaghy, Urban & Regional Planning UIUC; Geoffrey J.D. Hewings, University of Illinois; Jurgen Scheffran, University of Illinois

Discussants:

Sol Hyon Baek, State University of New York at Buffalo
 Kieran Donaghy, Urban & Regional Planning UIUC
 Tschangho John Kim, University of Illinois
 André De Palma, University of Cergy-Pontoise and Ecole Nationale

156. Health (Saskatchewan)

Chair: Melanie N. Tomintz, University of Leeds

- *Factors Affecting the Choice of Mental Health Care Providers: A Conditional/Multinomial Logit Approach*, Naoru Koizumi, George Mason University; Eri Kuno, Indiana University
- *The Estimation and Consideration of Environmental Load Derived from Municipal Solid Waste in Bangkok, Thailand*, Waraporn Chettabudr, University of Tsukuba; Ataru Nakamura, University of Tsukuba; Yoshiro Higano, University of Tsukuba
- *A Hierarchical Spatial Model to Explore the Effect of West Nile Virus on Wild Bird Population*, Hu Wei, Ohio State University; Alan Murray, Ohio State University
- *Using Microsimulation and Location-Allocation Models to Find Optimal Locations for Stop Smoking Services in Leeds*, Melanie N. Tomintz, University of Leeds; Graham P. Clarke, University of Leeds; Jan Rigby, University of Sheffield

Discussants:

Graham P. Clarke, University of Leeds
 Naoru Koizumi, George Mason University
 Waraporn Chettabudr, University of Tsukuba
 Echaradt Bode, Kiel Institute for the World Economy

157. Knowledge Economy V: Research and Development (Whistler 1)

Chair: Guy Gellatly, Statistics Canada

- *On R&D Investment*, Gamal Atallah, Assistant Professor-University of Ottawa; Massoud Khazabi, University of Ottawa
- *Invention, Innovation, and Regional Characteristics*, Songpyo Kim, Cleveland State University
- *R&D International Spillovers and Spatial Autocorrelation*, Antonio Musolesi, LEG Université de Bourgogne; Cem Ertur
- *Are There High-Tech Industries or Only High-Tech Firms? Evidence From New Technology-Based Firms*, Guy Gellatly, Statistics Canada; John R. Baldwin, Statistics Canada

Discussants:

Guy Gellatly, Statistics Canada

Massoud Khazabi, University of Ottawa
 Sungyop Kim, Washington University
 Gamal Atallah, Assistant Professor-University of Ottawa

158. Poverty (Quebec)

Chair: Jose Gamarra, Banco de la Republica

- *New Directions in Urban Planning: An innovative approach to social capital development and containment of urban poverty*, Mohammad Qasim, Texas Southern University
- *Factors Affecting Federal Funding of Food Assistance Programs*, Garen K Evans, Mississippi State University; Alan Barefield, Mississippi State University Extension Service
- *Poverty, Corruption and Political Participation: A Review of the Colombian Case*, Jose Gamarra, Banco de la Republica
- *Regional Income Disparities in the OLG Structure*, Ryo Itoh, Tohoku University

Discussants:

Ryo Itoh, Tohoku University
 Mohammad Qasim, Texas Southern University
 Garen K Evans, Mississippi State University
 Jose Gamarra, Banco de la Republica

159. Spatial Statistics and Econometrics: Theory and Methods VI (Alberta)

Chair: George Christakos, San Diego State University

- *An Information-Fusion Method to Regionalize Spatial Heterogeneity for Improving the Accuracy of Spatial Sampling Estimation*, Lianfa Li, Inst. of Geography Sciences and Natural Resources Research; Jinfeng Wang, Inst. of Geography Sciences and Natural Resources ; Zhidong Cao, Inst. of Geography Sciences and Resources Research; Xiaolei Feng, Inst. of Geography Science and Resources Research; Lili Zhang, Inst. of Geography Sciences and Resources Research; Ershun Zhong, Inst. of Geography Sciences and Resources Research
- *Finite Sample Properties of Estimators of Spatial Models with Autoregressive, or Moving Average, Disturbances, and System Feedback*, Julie Le Gallo, CRESE; Bernard Fingleton, Dept. of Land Economy, Cambridge University
- *Multiplicative Heteroskedastic-Spatial Process Models: Monte Carlo Experiments and an Empirical Example*, Dayton M. Lambert, University of Tennessee; R J G M Florax, Purdue University; Kevin T McNamara, Purdue University; Dayton S Lambert
- *Interdisciplinary Knowledge Synthesis and Temporal Geographical Information Science*, George Christakos, San Diego State University; Hwa-Lung Yu, San Diego State University

Discussants:

George Christakos, San Diego State University
 Eveline S. Van Leeuwen, Free University Amsterdam
 Drake Warren, University of Illinois at Urbana-Champaign
 Dayton S Lambert

160. Transportation and Land Use II (Manitoba)

Chair: Clarence Woudsma, University of Waterloo

- *Network Evolution of German Commuting: An Exploration of Spatial Dynamics*, Roberto Patuelli, Free University; Aura Reggiani; Peter Nijkamp, Free University; Franz-Josef Bade, University of Dortmund
- *Urban Land Development and Accessibility: A Spatial-temporal Analysis of an Autocentric City*, Clarence Woudsma, University of Waterloo; Matthew Sheldrake, City of Calgary
- *A Fully Integrated Behavioral Model of Land Use and Transport System: A Network Equilibrium Approach.*, Mario Bravo, Universidad de Chile; Luis Briceño, Universidad de Chile; Roberto Cominetti, Universidad de Chile; Cristian Cortes, Universidad de Chile; Francisco J. Martinez, Universidad de Chile
- *Airport Choice in a Multi-airport Region: A Multivariate Poisson Model*, Andrew J. Buck, Temple University; Erwin Blackstone, Temple University; Simon Hakim, Temple University

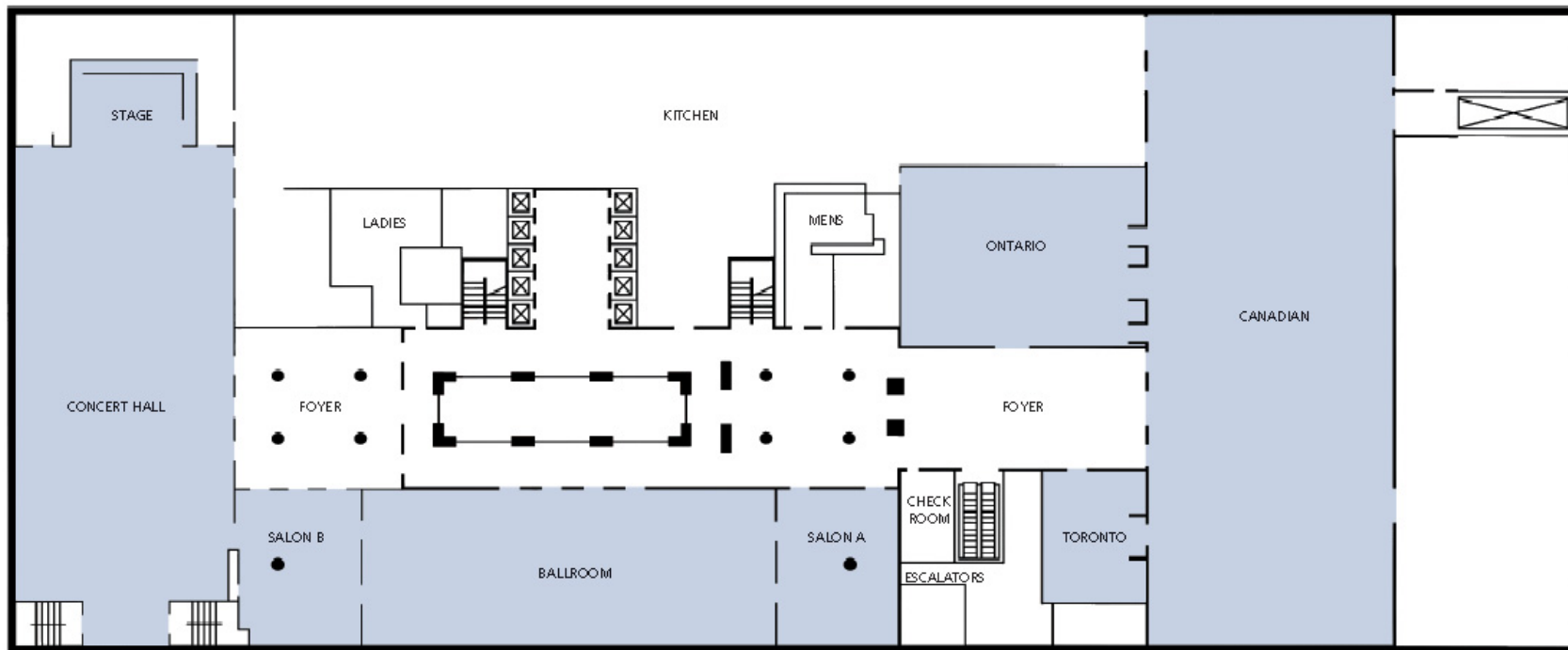
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Clarence Woudsma, University of Waterloo
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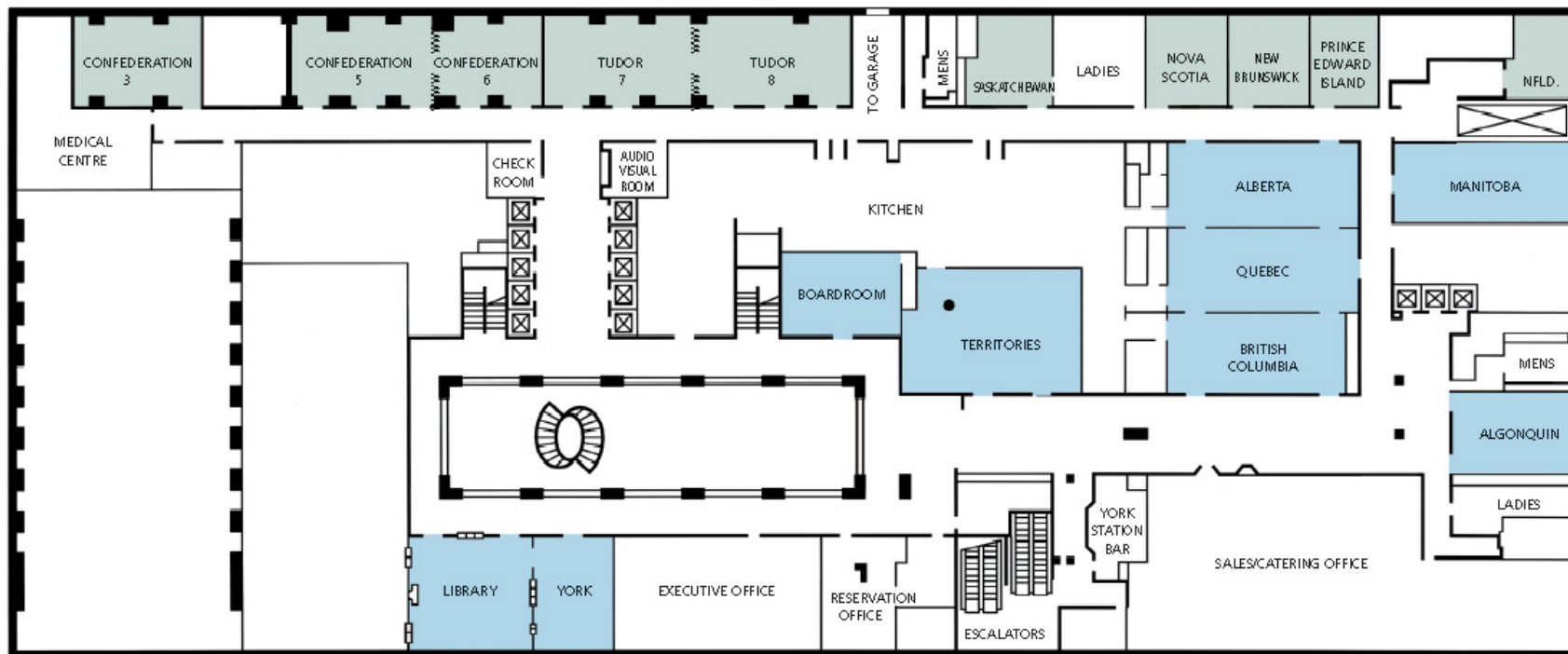
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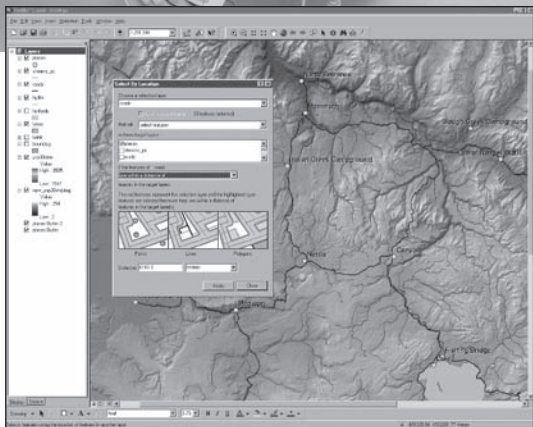
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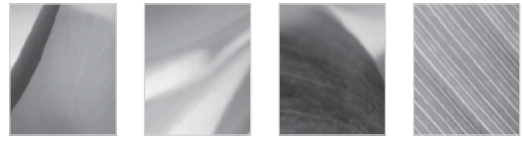
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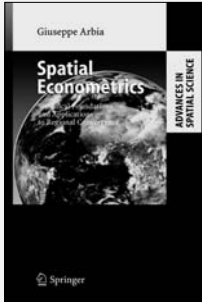
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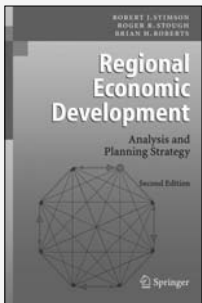
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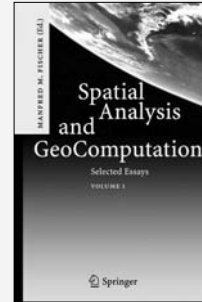
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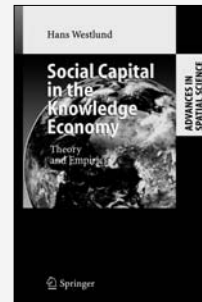
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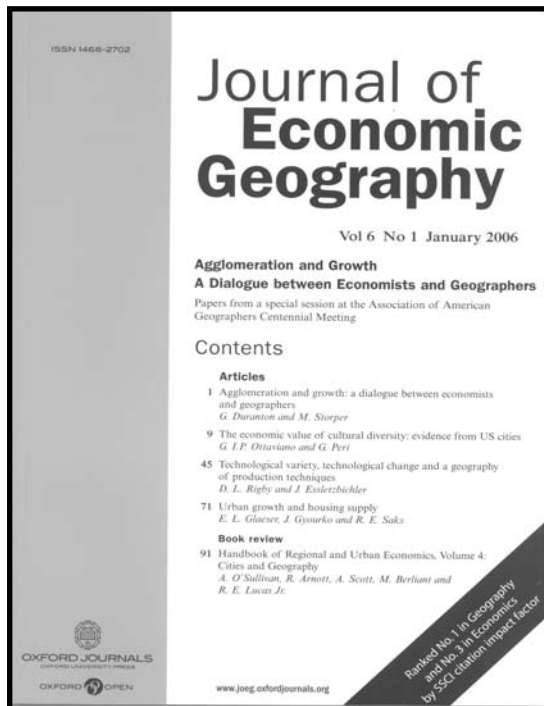
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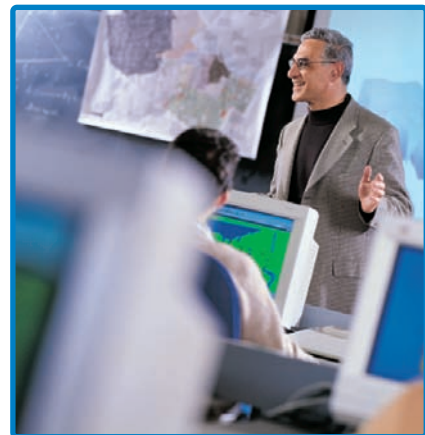
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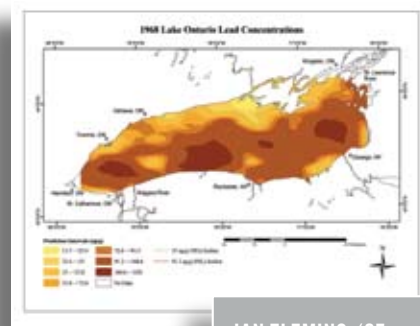
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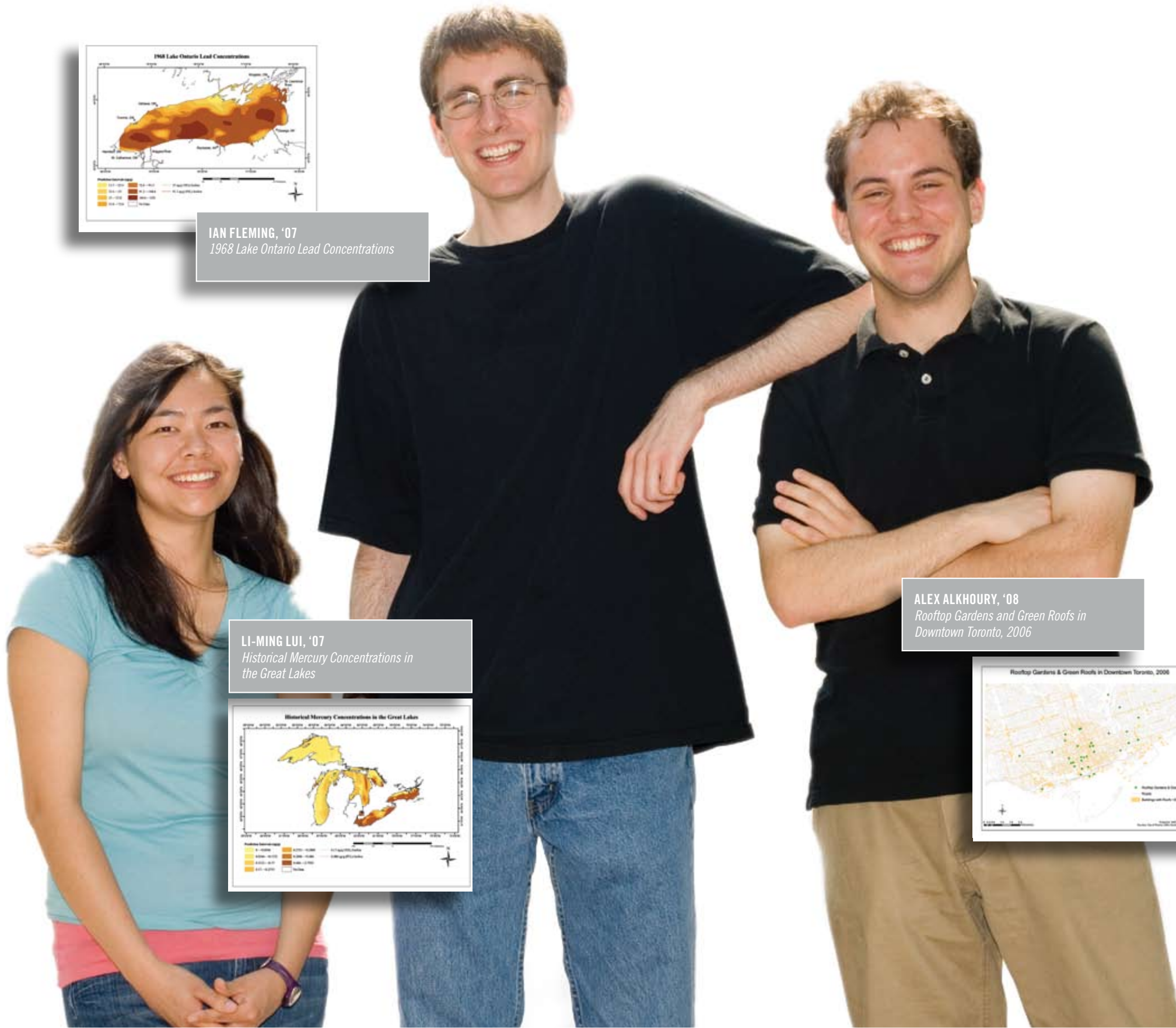


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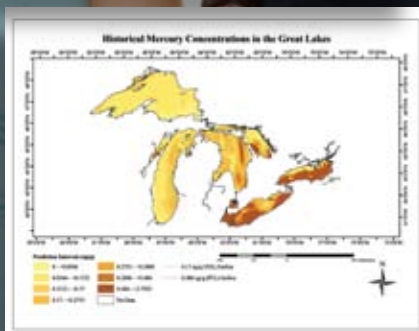
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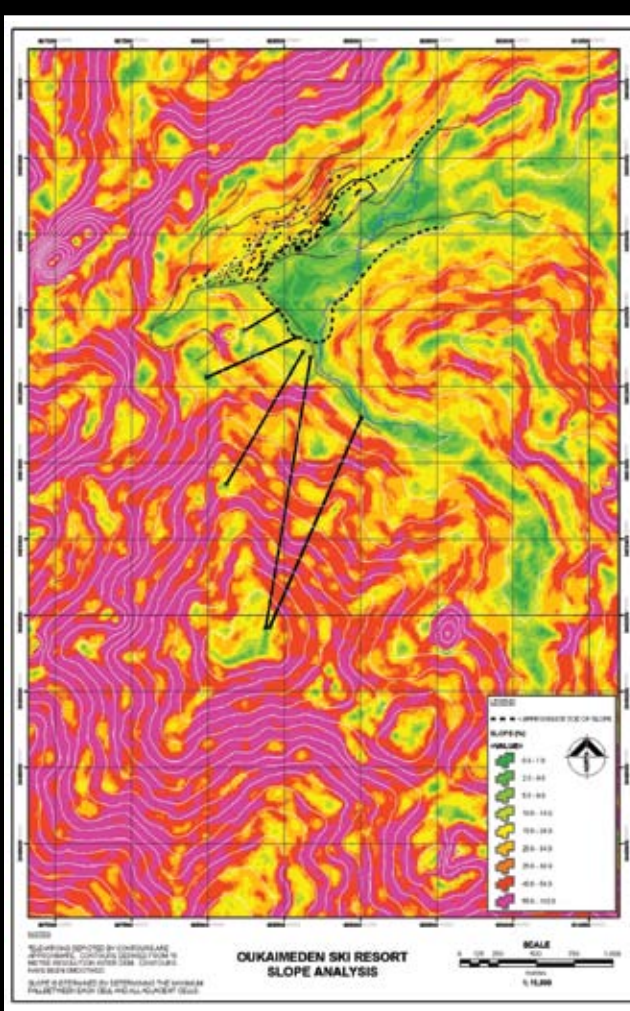
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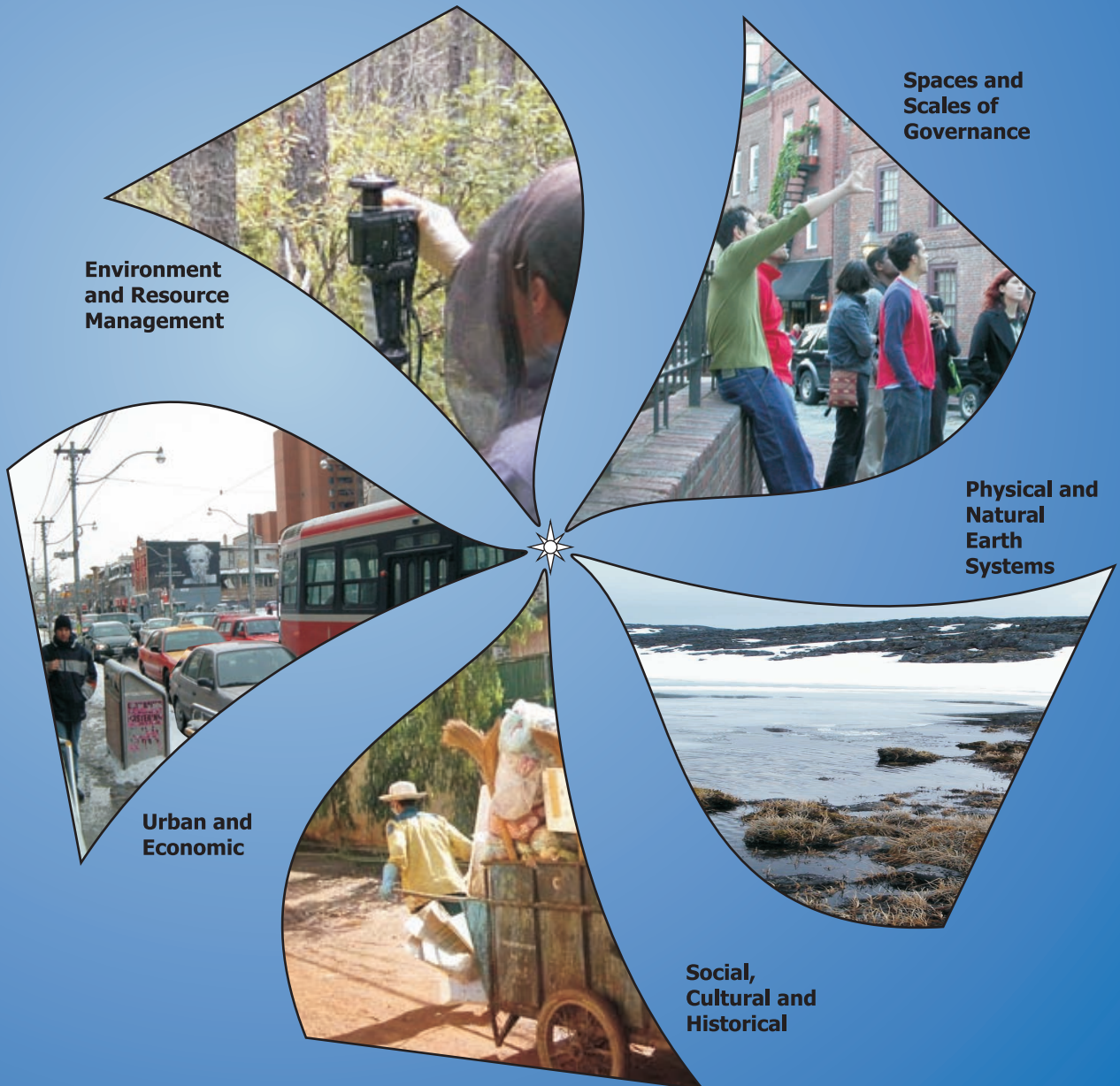


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