

Peter J Kedron

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I am an Assistant Professor in the Department of Geography at the Oklahoma State University. My research program focuses on understanding how geographic differences in economic activity are related to social and ecological aspects of regions. I also contribute to the development of new spatial analytical methods, with a current focus on regional technological mixing, cluster detection, and downscaling prediction.

Current Academic Appointments

- 2016 - **Assistant Professor of Geography**
Department of Geography, Oklahoma State University
- 2014 - **Research Assistant Professor**
Department of Geography, State University of New York at Buffalo

Selected Peer Reviewed Publications

- 2016 **Kedron, P.** Identifying the geographic extent of environmental inequalities: A comparison of pattern detection methods. *The Canadian Geographer* (Forthcoming)
- Rogerson, P. and **Kedron, P.** A changepoint statistic with uniform type I error probabilities. *Communication in Statistics* 46(16): 4663-4672 (doi: 10.1080/03610926.2014.927495).
- 2015 **Kedron, P.** Environmental Governance and Shifts in Canadian Biofuel Production and Innovation. *The Professional Geographer* 67(3): 385-395 (doi: 10.1080/00330124.2014.983589).
- 2012 **Kedron, P.** and Bagchi-Sen, S. Foreign direct investment in Europe by multinational pharmaceutical companies from India. *Journal of Economic Geography* 12: 809-839.
- Rogerson, P. and **Kedron, P.** Optimal weights for focused tests of clustering using the local Moran statistic. *Geographical Analysis* 44(2): 121-133.
- 2011 **Kedron, P.** and Bagchi-Sen, S. A study of the emerging renewable energy sector within Iowa. *Annals of the Association of American Geographers* 101(4): 882-896.

Selected External Research Funding

- 2016-2019 National Science Foundation, EPSCoR Research Infrastructure Improvement Grant (OIA-1301789)
Adapting Socio-Ecological Systems to Increased Climate Variability, Faculty Investigator
- 2016-2018 National Science Foundation, Standard Grant (BCS 1561021)
Data Complexity and Spatial Scaling: Prediction Accuracy and Implications for Emerging Landscape Paradigms, Co-Principal Investigator
- 2013-2017 National Science Foundation, Standard Grant (BCS 1338970)
An Analysis of Innovation and Performance in U.S. Biofuel Firms: Implications for the Biofuel Technological Innovation System, Co-Principal Investigator

Selected Service Activities

- 2015 - **President.** Canadian Association of Geographers – Ontario Division, *Canadian Association of Geographers*
- Board Member.** Energy and Environment Specialty Group, *Association of American Geographers*
- 2014 - **Board Member.** Economic Geography Specialty Group, *Association of American Geographers*
- 2008-2010 **Editorial Assistant,** *The Professional Geographer*, Editor: Sharmistha Bagchi-Sen

Academic Appointments

I am an Assistant Professor in the Department of Geography at the Oklahoma State University. I also currently hold appointments as a Faculty Investigator analyzing socioeconomic adaptations to climate variation through an NSF EPSCoR Award (OIA-1301789), and as a Research Assistant Professor in the Department of Geography at the State University of New York at Buffalo. I completed my PhD in Geography at the State University of New York at Buffalo in 2012, and my Masters in Applied Economics at the University of Michigan in 2005.

Academic Appointments

- 2016- **Assistant Professor of Geography**
Department of Geography, Oklahoma State University
- 2014- **Research Assistant Professor**
Department of Geography, State University of New York at Buffalo
- 2012-2016 **Assistant Professor of Geography and Environmental Studies**
Department of Geography and Environmental Studies, Ryerson University
Graduate Program in Environmental Applied Sciences and Management (ENSCIMAN)
- 2012-2013 **Adjunct Assistant Professor**
Department of Geography, University at Buffalo – Singapore Institute of Management (UBSIM)
- 2007-2008 **Temporary Full-Time Professor**
Department of Economics, Niagara County Community College
- 2005 **Research Assistant**
CAFTA Office of the Costa Rican Ministry of Foreign Trade

Education

- 2012 **Doctor of Philosophy - Geography**
State University of New York at Buffalo
Advanced Certificate in Geographic Information Science
- 2005 **Master of Arts – Applied Economics**
University of Michigan – Ann Arbor
Summer Program in International Affairs – American University
- 2004 **Bachelor of Arts – Economics**
Bachelor of Arts – Psychology
State University of New York at Buffalo
Summa cum Laude

Research Activities

My research program focuses on understanding how geographic differences in economic activity are related to social and ecological aspects of regions. My ongoing research into industry change examines how innovation, policy, and incumbent response shape regional development. I also contribute to the development of new spatial analytical methods, with a current focus on regional technological mixing, cluster detection, and downscaling prediction. Currently, I am Co-PI on two NSF funded projects, and a faculty investigator on an NSF EPSCoR award studying socio-ecological interactions in the state of Oklahoma.

Peer Reviewed Publications (16)

Journal Articles (11)

- 2016 **Kedron, P.** and Bagchi-Sen, S. Limits to policy-led innovation and industry development in US biofuel. *Technology Analysis and Strategic Management* (Accepted).
- Kedron, P.** Identifying the geographic extent of environmental inequalities: A comparison of pattern detection methods. *The Canadian Geographer* (Accepted)
- Rogerson, P. and **Kedron, P.** A changepoint statistic with uniform type I error probabilities. *Communication in Statistics* 46(16): 4663-4672 (doi: 10.1080/03610926.2014.927495).
- 2015 **Kedron, P.** Environmental Governance and Shifts in Canadian Biofuel Production and Innovation. *The Professional Geographer* 67(3): 385-395 (doi: 10.1080/00330124.2014.983589).
- Trgovac, A., **Kedron, P.**, and Bagchi-Sen, S. Geographic variation in male suicide rates in the United States. *Applied Geography* 62: 201-209.
- 2013 Poon, J., **Kedron, P.**, and Bagchi-Sen, S. Do foreign subsidiaries innovate and perform better in a cluster? A spatial analysis of Japanese subsidiaries in the US. *Applied Geography* 44: 33-42.
- 2012 **Kedron, P.** and Bagchi-Sen, S. Foreign direct investment in Europe by multinational pharmaceutical companies from India. *Journal of Economic Geography* 12: 809-839.
- Rogerson, P. and **Kedron, P.** Optimal weights for focused tests of clustering using the local Moran statistic. *Geographical Analysis* 44(2): 121-133.
- 2011 **Kedron, P.** and Bagchi-Sen, S. US Market Entry Processes of Emerging Multinationals: A Case of Indian Pharmaceuticals. *Applied Geography* 31(2):721-730.
- Kedron, P.** and Bagchi-Sen, S. A study of the emerging renewable energy sector within Iowa. *Annals of the Association of American Geographers* 101(4): 882-896.
- Bagchi-Sen, S., **Kedron, P.** and Scully, J. A study of R&D, collaboration, and location preferences of health and agricultural biotech firm. *Environment and Planning C: Government and Policy* 29(3): 473-486.

Chapters in Edited Volumes (3)

- 2016 **Kedron, P.**, and Bagchi-Sen, S. Geographic Variation in Landscapes of Second-Generation Biofuel Production and Innovation. In *Routledge Companion to Energy Geographies* edited by Bouzarovski, S., Pasqualetti, M., and Castan Broto, V. Farnham (UK): Routledge. (Forthcoming)
- 2015 Bagchi-Sen, S., and **Kedron, P.** Governance of Biofuel Production in the United States. In *Handbook of Politics and Technology* edited by Hilpert, U. London (UK): Routledge.
- Kedron, P.** and Bagchi-Sen, S. Evolving innovation networks of Indian Pharmaceutical companies. In *Innovation Spaces in Asia: Entrepreneurs, Multinational Enterprises and Policy* edited by McKelvey, M., and S. Bagchi-Sen. Cheltenham (UK): Edward Elgar Publishers.

Conference Proceedings (2)

- 2016 **Kedron, P.**, Fazier, A., Greene, C., and Mitchell, D. Curriculum design for upper- and advanced-level GIS classes: Are new skills being taught and integrated? *GI Forum 2016*(1): 324-335.
- Frazier, A., and **Kedron, P.** Impacts of compositional and configurational data loss on downscaling accuracy. *Spatial Accuracy*: 5-8.

Research Funding

External Research Funding (381,921 USD)

- 2016-2019 National Science Foundation, EPSCoR Research Infrastructure Improvement Grant (OIA-1301789)
Adapting Socio-Ecological Systems to Increased Climate Variability
Faculty Investigator
16,000,000 USD Total | 100,000 USD Kedron
- 2016-2018 National Science Foundation, Standard Grant (BCS 1561021)
Data Complexity and Spatial Scaling: Prediction Accuracy and Implications for Emerging Landscape Paradigms
Co-Principal Investigator
121,921 USD | 121,921 USD Kedron
- 2013-2017 National Science Foundation, Standard Grant (BCS 1338970)
An Analysis of Innovation and Performance in U.S. Biofuel Firms: Implications for the Biofuel Technological Innovation System
Co-Principal Investigator
160,000 USD | 160,000 USD Kedron

University Research Funding (22,000 CAD)

- 2015-2016 Ryerson University – Faculty of Arts New Initiative Grant
Statistical Analysis of the Behavior of Landscape Metrics across Spatial Scales
Principal Investigator
6,000 CAD
- 2015 Ryerson University – EnSciMan Research Program
The geographic distribution of urban forest recovery: The role of policy, trees, and people
Principal Investigator
5,000 CAD
- 2014-2015 Ryerson University – Faculty of Arts Learning and Teaching Enhancement Grant
Interdependent learning modules to support student training in crossing disciplinary boundaries
Principal Investigator
5,000 CAD
- 2013 Ryerson University SSHRC Institutional Grant
Inducement and Blocking Mechanisms Impacting Development of Canadian Renewable Energy Innovation Systems
Principal Investigator
6,000 CAD

Conference and Professional Presentation (50)

- 2016 (5) **Kedron, P.** (Invited) Understanding innovation, firm performance, and industrial development in renewable energy. *University of Memphis*, September 16, 2016: Memphis, TN.
- Kedron, P.**, Fazier, A., Greene, C., and Mitchell, D. Curriculum design for upper- and advanced-level GIS classes: Are new skills being taught and integrated? *GIForum*, July 06, 2016: Salzburg, AU.
- Kogler, D., **Kedron, P.**, and Bagchi-Sen, S. Regions, firms, and individuals: Measuring innovation in evolutionary context. *Regional Studies Association: North American Meeting 2016*, June 15, 2016: Atlanta, GA.

Kogler, D., **Kedron, P.**, and Bagchi-Sen, S. Regions, firms, and individuals: Measuring innovation in evolutionary context. *Association of American Geographers Annual Meeting 2016*, March 28, 2016: San Francisco, CA.

Kedron, P., and Kogler, D. Regions, firms, and individuals: Measuring innovation in evolutionary context. *3rd Geography of Innovation Conference*, January 29, 2016: Toulouse, FR.

2015 (8) **Kedron, P.** (Invited) Innovation as a driver of social, economic, and ecological adaptation in energy and agriculture. *Oklahoma State University*, December 07, 2015: Stillwater, OK.

Kedron, P., and Bagchi-Sen, S. (Invited) From individual to regional networks: Patterns and pathways in Biofuel innovation. *iBegin Conference*, November 13, 2015: Philadelphia, PA.

Kogler, D., **Kedron, P.**, and Bagchi-Sen, S. From individual to regional networks: Patterns and pathways in Biofuel innovation. *Fourth Global Conference on Economic Geography*, August 21, 2015: Oxford, UK.

Kedron, P. and Greene, C. Interdependent learning modules to support student training in crossing disciplinary boundaries. *Ryerson Faculty Conference*, May 21, 2015: Toronto, ON.

Kedron, P. and Bagchi-Sen, S. The affect of local and regional conditions on renewable energy production: A study of bioenergy. *Association of American Geographers Annual Meeting 2015*, April 21-25, 2015: Chicago, IL.

Bagchi-Sen, S., **Kedron, P.**, and Kogler, D. The evolution of knowledge spaces in biofuel innovation networks. (Bagchi-Sen Presenter) *Association of American Geographers Annual Meeting 2015*, April 21-25, 2015: Chicago, IL.

Greene, C., and **Kedron, P.** An analysis of the influence of multi-scalar characteristics of city trees on microclimatic variation within Toronto's urban forest: A hierarchical approach. (Greene Presenter) *Association of American Geographers Annual Meeting 2015*, April 21-25, 2015: Chicago, IL.

Kedron, P. (Invited) The effect of local and regional conditions on renewable energy production: A study of bioenergy. *Michigan State University*, February 24, 2015: Lansing, MI.

2014 (16) **Kedron, P.** and Bagchi-Sen, S. Government policy and renewable energy: A study of United States biofuel production. *61st Annual North American Meetings of the Regional Science Association International*. November 12-15, 2014: Washington, DC.

Kedron, P. Government policy and renewable energy development in the United States and Canada: biofuel. *Canadian Association of Geographers – Ontario Division Meeting*, October 24-25, 2014: York, ON (Canada).

Lalla, R., and **Kedron, P.** Using location quotient and shift-share to understand the spatial profile of adult offenders in community-based corrections in Ontario. *Canadian Association of Geographers – Ontario Division Meeting*, October 24-25, 2014: York, ON (Canada).

Kedron, P. and Bagchi-Sen, S. (2014) Understanding innovation and industrial development in bioenergy. Oklahoma State University, August 22, 2014: Stillwater, OK. (Invited).

Kedron, P., and Lalla, R. A study of within group inequality in the geographic distribution of HIV/AIDS in Thailand. Paper presentation. *Canadian Association of Geographers Annual Meeting 2014*, May 26-30, 2014: St Catherines, ON (Canada)

Hart, H., and **Kedron, P.** Understanding the statistical bias of geographic scale in environmental inequality research. Paper presentation (Hart Presenter). *Canadian Association of Geographers Annual Meeting 2014*, May 26-30, 2014: St Catherines, ON (Canada)

Kedron, P. Environmental governance and shifts in Canadian biofuel production and innovation. Paper presentation. *2014 Industry Studies Conference*, May 28–30, 2014: Portland, OR

Kedron, P. Firm Value-Chain Reorganization, Regional Industrial Transformation, and the Geography of Innovation in the Canadian Biofuel Industry. *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Bagchi-Sen, S., **Kedron, P.**, Kogler, D. Understanding Emerging Biofuel R&D Networks Using Patent Data. *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Kedron, P. (Invited) Innovative Methods for Teaching GIS and Cartography. *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL.

Kedron, P., Bagchi-Sen, S., Shunder, T. (2014) The Impacts of Technological Translation and Regional Interests on the Formation of Global Value-Chains. (Shunder Presenter). *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Poon, J., **Kedron, P.**, Bagchi-Sen, S. Do foreign subsidiaries innovate and perform better in a cluster: A spatial analysis of Japanese subsidiaries in the U.S.. (Poon Presenter). *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Copeland, S., **Kedron, P.** Inferential complexities in spatial, temporal, and etiological dynamics of disease exposure. (Copeland Presenter). *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Forsythe, K.W., McHenry, M., Atkinson, D., Aversa, J., Swales, S., **Kedron, P.**, and Jakubek, D. Utilizing bathymetry data for the geovisualization of contaminated sediment patterns in the Laurentian Great Lakes of North America. (Forsythe Presenter). *Association of American Geographers Annual Meeting 2014*, April 08-12, 2014: Tampa Bay, FL

Hart, H., and **Kedron, P.** Toxic air emissions and proximity to low-income areas in Scarborough, Toronto. (Hart Presenter). *Spatial Knowledge and Information Conference 2014*, February 07-09, 2014: Banff, AL (Canada).

Kedron, P. Path dependent innovation trajectories and environmental governance formation in the Canadian biofuels industry. *Geography of Innovation*, January 23-25, 2014: Utrecht, Netherlands.

2013 (8) Bagchi-Sen, S., and **Kedron, P.** A study of the emergence of the US biofuel industry: Implications for innovation, networks, and regional development. *Regional Studies Association International Conference 2013*, December 16-18, 2013: Los Angeles, CA

Kedron, P. (Invited) An analysis of policy, innovation, and production in U.S. renewable energy: Evolution of the biofuel industry. University of South Carolina, December 2, 2013: Columbia, SC.

Kedron, P. Environmental governance and the formation of the Canadian biofuel industry. *CAGONT/ELDAAG Meeting*, October 25-26, 2013: Toledo, OH

Bagchi-Sen, S., and **Kedron, P.** (Invited) The evolution of networks in the U.S. Biofuel Industry. CNRS et Universite de Nice Sophia Antipolis. September 24, 2013: Nice: France.

Kedron, P. and Bagchi-Sen, S. (Invited) Policy relevance in industry life cycles and regional evolution. Paper presentation. *The Association of American Geographers Annual Meeting 2013*, Invited paper session: Climate policy as industrial policy: Emerging geographies in the making of the green economy, April 09-13, 2013: Los Angeles, CA. (Invited).

Bagchi-Sen, S., and **Kedron, P.** (Invited) Knowledge networks in the emerging energy industry. Paper presentation (Bagchi-Sen Presenter). *The Association of American Geographers Annual Meeting 2013*, Invited paper session: Agglomeration economies, policy relevance, and the evolutionary turn, April 09-13, 2013: Los Angeles, CA.

McKay, A. and **Kedron, P.** Non-state actor involvement in global production networks and conflict mineral trade between Africa and China: Transforming social and environmental geographies. Poster presentation. *The Association of American Geographers Annual Meeting 2013*, April 09-13, 2013: Los Angeles

- Kedron, P.** (Invited) Evolving global innovation strategies of Indian pharmaceutical companies. Invited paper presentation. *Business Strategy and Innovation Spaces in China and India*. Goteborg University, February 20-22, 2013: Goteborg, Sweden.
- 2012 (6) Bagchi-Sen, S. and **Kedron, P.** (Invited) Spaces of innovation in emerging markets. Paper presentation (Bagchi-Sen Presenter). *Second RIIO International Conference of China and Indian Ocean Economies*. Invited paper session. November 29-30: Yunnan, China.
- Kedron, P.** and Bagchi-Sen, S. Regional Advantage and Firm Strategy in a Renewable Energy Industry. *2012 Industry Studies Conference*, May 29 – June 1, 2012: Pittsburg, PA
- Bagchi-Sen, S. and **Kedron, P.** (Invited) Researching Firms Using Primary and Secondary Data. Invited paper presentation. (Bagchi-Sen Presenter) *Innovative Data Sources for Regional Economic Analysis Workshop*, May 08-11, 2012: Washington, D.C.
- Kedron, P.** and Bagchi-Sen, S. The role of industrial policy and environmental governance in the spatio-temporal evolution of regional energy systems. Paper presentation. *The Association of American Geographers Annual Meeting 2012*, Invited Paper Session: Rethinking technology and sustainability in the space economy, February 26, 2012: New York, NY. (Invited).
- Kedron, P.** (Invited) The role of industrial policy and environmental governance in the spatio-temporal evolution of regional energy systems *Northern Illinois University*. February 20, 2012: Dekalb, IL.
- Kedron, P.** (Invited) A simple adjustment for testing local statistics across many scales *Ryerson University*. February 16, 2012: Toronto, Canada.
- 2011 (3) **Kedron, P.** and Bagchi-Sen S. Navigating European markets: A study of foreign direct investment by Indian pharmaceuticals. *New York Conference on Asian Studies*, Sept 16-17, 2011: Buffalo, NY
- Kedron, P.** and Rogerson, P. Optimal weights for the local Moran statistic. Paper presentation. *The Association of American Geographers Annual Meeting 2011*, Applied Spatial Analysis. April 13: Seattle, 2011, WA
- Rogerson, P. and **Kedron, P.** Optimal weights for the local Moran statistic. (Rogerson Presenter) *Western Regional Science Association*. February 2011: Monterey, CA.
- 2010 (2) **Kedron, P.** Complex combinations: humans, non-humans, and law during the Alar scar of 1989. *The Association of American Geographers Annual Meeting 2010*, Paper Session: Legal Geography. April 14-18, 2010: Washington, DC
- Kedron, P.** (Invited Panelist) Growth and Expansion Tools. Invited Panelist. Joint-Hosting by *UB Office of Economic Engagement & Buffalo Niagara Partnership*, November 9 2010: Buffalo, NY.
- 2009 (2) Bagchi-Sen, S. and **Kedron, P.** (Invited) Asian latecomers: Entry determinants of Indian Pharmaceuticals in the US. Invited paper presentation (Bagchi-Sen Presenter). *Institute of Innovation and Entrepreneurship* – Goteborg University, May 20, 2009: Goteborg, Sweden.
- Kedron, P.** and Bagchi-Sen, S. (Invited) Asian latecomers: Entry determinants of Indian Pharmaceuticals in the US. Paper presentation. *The Association of American Geographers Annual Meeting 2009*, Invited Paper Session, March 23-28: Las Vegas, NV.

Teaching Activities

I have held teaching positions at five institutions and have non-academic experience in both industry and policy settings. I have taught and developed courses in GISystems/Science, spatial and aspatial statistics, policy analysis and research methods; as well as topical courses in innovation, economic, and urban geography and sustainability.

University Teaching

Quantitative Methods and Geographic Information Systems

- Geo 4253 Geographic Information Systems: Socio-Economic Applications, Graduate, Oklahoma State University
SA 8903 Analytical Methods and Spatial Data, Graduate. Ryerson University
SA 8923 Land/Geographic Information Systems, Graduate, Ryerson University
Geo 561 Multivariate Statistics in Geography, Undergraduate. Ryerson University
Geo 361 Inferential Statistics in Geography, Undergraduate, Ryerson University

Economic Geography | Urban and Regional Analysis

- Geo 551 Urbanization and Regional Development, Undergraduate, Ryerson University
Geo 425 Industrial/Business Geography, Undergraduate, State University of New York at Buffalo

Economic Geography | International Trade and Foreign Direct Investment

- Geo 334 Dynamics of International Business, Undergraduate. State University of New York at Buffalo: Singapore Institute of Management
Geo 333 Bases of World Commerce, Undergraduate. SUNY-Buffalo: State University of New York at Buffalo: Singapore Institute of Management
Geo 330 International Environments and Commercial Problems, Undergraduate, State University of New York at Buffalo: Singapore Institute of Management
Geo 208 Geography of the Global Economy, Undergraduate, Ryerson University
Geo 108 Geography of the Global Village, Undergraduate, Ryerson University

Economics

- Eco 101 Macroeconomics, Undergraduate, Niagara County Community College
Eco 102 Microeconomics, Undergraduate, Niagara County Community College

Graduate Supervision

Doctoral Students | Committee Member & External Examiner (3)

- 2013 (3) Nicole Wilson (Ph.D.) Multinational agrochemical corporations' environmental disclosure practices in India (Environmental Applied Science and Management Program), *Ryerson University*
Committee Member
Jason Knight Shrinking City, Shrinking Region: A Socio-Spatial Analysis of Demolitions in Buffalo and the Emergence of Regional Shrinkage in Erie County, New York. *State University of New York at Buffalo*
External Dissertation Examiner
Chang-Ho Lee (PhD) Collaborative Trends in Biomedical Sciences: Outcomes, Innovation, and Academic Entrepreneurship, *State University of New York at Buffalo*
External Dissertation Examiner

Teaching Activities

Masters Students | Primary Advisor (8)

- 2016 (1) Jennifer Mason. The development of renewable energy innovations across geographies, industries, and inventor networks, *Ryerson University*
Primary Advisor
- 2015 (2) Kirk Sutor. Spatial monitoring of property transfer pricing in Toronto, ON, *Ryerson University*
Primary Advisor
- Michael Morrish. A spatial statistical analysis of income and health in Toronto, *Ryerson University*
Primary Advisor
- 2014 (2) Tomasz Migdal. Modeling urban growth with existing urban built-up area within the Toronto census metropolitan area using ordinary least squares and geographically weighted regression, *Ryerson University*
Primary Advisor
- Rajiv Lalla (MSA) A spatio-temporal analysis of adult offenders in community-based corrections in Ontario from 2004 to 2013 using location quotient and shift-share analysis, *Ryerson University*
Primary Advisor
- 2013 (3) Tegan Buckingham. Using cluster statistics to determine the relationships between disadvantaged populations and polluting facilities in Toronto, Canada, *Ryerson University*
Primary Advisor
- Kevin Mackay. The effect of occupation on the spatial distribution of HIV and AIDS in Thailand using AMOEBA cluster analysis, *Ryerson University*,
Primary Advisor
- Adam McKay. The geography of health in Thailand: An exploration into the relationship between non-government organizations and HIV/AIDS, *Ryerson University*
Primary Advisor

Masters Students | Co-Advisor & Committee Member (6)

- 2016 (1) Brianna Hutchinson. Spatial statistical analysis of regional patent networks, *Ryerson University*
Co-Advisor
- 2015 (1) Heather, Hart. Maps as evidence in health care service improvement and monitoring. *Ryerson University*
Committee Member
- 2014 (2) Jarrett Moore. Offender journey to crime and hotspot environmental characteristics in Durham region 2009-2013, *Ryerson University*
Committee Member
- William Davis. An interactive and dynamic mobile web application for digital tourism: A geospatial complement to the City of Toronto's Discovery Walk Program, *Ryerson University*
Committee Member
- 2013 (2) Sandra Albanese. An analysis of spatial relationships between electrical fires in the greater Toronto area and socioeconomic characteristics, *Ryerson University*
Committee Member
- Wei Hu (MSA): Neighborhood environment, individual characteristics, and immigrant health in Canada's metropolitan areas: A multi-level modeling Approach. *Ryerson University*
Committee Member

Service Activities

I maintain an active program of disciplinary, university, and departmental service. I currently serve as the president of the Canadian Association of Geographers - Ontario Division, and am actively involved as a board member of several AAG specialty groups.

Editorial Activities

Journal Editorial Activity

2008-2010 **Editorial Assistant**, *The Professional Geographer*, Editor: Sharmistha Bagchi-Sen

External Grant Review

2015 - **External Peer-Reviewer**, Social Science and Humanities Research Council

2013 - **External Peer-Reviewer**, National Science Foundation, Geography and Spatial Sciences

Journal Reviewer (21)

04 *Economic Geography, The Professional Geographer, Environment and Planning C*

03 *Environmental Innovation and Societal Transitions*

02 *Journal of International Business Studies*

01 *Environment and Planning A, Geoforum, The Industrial Geographer*

Disciplinary Service

2015 - **President**. Canadian Association of Geographers – Ontario Division, *Canadian Association of Geographers*

Board Member. Energy and Environment Specialty Group, *Association of American Geographers*

2014 - **Board Member**. Economic Geography Specialty Group, *Association of American Geographers*

2016 **Judge**. Luten Award, Energy and Environment Specialty Group, *Association of American Geographers*

Judge. Earl Cook Award, Energy and Environment Specialty Group, *Association of American Geographers*

2015 **Session Organizer**. Biofuels, Bioenergy, and the Emerging Bioeconomy. (04 sessions). *Annual Meeting of the Association of American Geographers*. Co-Organizers: K. Birch, K. Calvert, J. Baka, S. Bagchi-Sen

Organizer. Student Paper Award Competition, Economic Geography Specialty Group, *Association of American Geographers*

Judge. Luten Award, Energy and Environment Specialty Group, *Association of American Geographers*

Judge. Earl Cook Award, Energy and Environment Specialty Group, *Association of American Geographers*

Judge. Student Poster Competition, *Annual Meeting: Canadian Association of Geographers – Ontario Division*

2014 **Session Organizer**. Urban Inequalities in Canadian and US Cities: Exploring the Interconnections among Housing, Food Insecurity, and Environmental Justice, *Canadian Association of Geographers – Annual Meeting*

Judge. Student Poster Competition, *Annual Meeting: Canadian Association of Geographers – Ontario Division*

Judge. Luten Award, Energy and Environment Specialty Group, *Association of American Geographers*

2013 **Vice-President**. Canadian Association of Geographers – Ontario Division, *Canadian Association of Geographers*. (Term Ended 2015).

2011 **Session Organizer**. Applied Spatial Analysis, *Annual Meeting of the Association of American Geographers*

2010 **Session Organizer**. Legal Geographies I and II, *Annual Meeting of the Association of American Geographers*

University and Departmental Service

- 2016 **Member.** Personnel Committee, Department of Geography, *Oklahoma State University*
Representative. Faculty Council, *Ryerson University*
Member. Master Program Executive Council, Department of Geography and Environmental Studies, *Ryerson University*
Member, Ryerson Faculty Association Services Committee, *Ryerson University*
Liaison, CAG/AAG Liaison, Department of Geography and Environmental Studies, *Ryerson University*
- 2015 **Departmental Representative.** Faculty Council, *Ryerson University*
Member. Masters Program Executive Council, Department of Geography and Environmental Studies, *Ryerson University*
Member, Ryerson Faculty Association Services Committee, *Ryerson University*
Member, Curriculum Committee, Department of Geography and Environmental Studies, *Ryerson University*
Member, Scholarly Research and Creative Activities Committee, Department of Geography and Environmental Studies, *Ryerson University*
Master of Ceremonies. Department of Geography and Environmental Studies Awards Night, *Ryerson University*
Liaison, CAG/AAG Liaison, Department of Geography and Environmental Studies, *Ryerson University*
- 2014 **Council Member.** Master Program Executive Council, Department of Geography and Environmental Studies, *Ryerson University*
Committee Member, Ryerson Faculty Association Services Committee, *Ryerson University*
Committee Member, Curriculum Committee, Department of Geography and Environmental Studies, *Ryerson University*
Committee Member, Scholarly Research and Creative Activities Committee, Department of Geography and Environmental Studies, *Ryerson University*
Faculty Volunteer, Geography Field Studies, Department of Geography and Environmental Studies, *Ryerson University*
Master of Ceremonies. Department of Geography and Environmental Studies Awards Night, *Ryerson University*
Liaison, CAG/AAG Liaison, Department of Geography and Environmental Studies, *Ryerson University*
Departmental Representative. OAGEE Conference
Chair. Computing and IT Committee, Department of Geography and Environmental Studies, *Ryerson University*
- 2013 **Committee Member,** Ryerson Faculty Association Services Committee, *Ryerson University*
Committee Member, Scholarly Research and Creative Activities Committee, Department of Geography and Environmental Studies, *Ryerson University*
Departmental Representative. OAGEE Conference
Faculty Volunteer, Geography Field Studies, Department of Geography and Environmental Studies, *Ryerson University*
Chair. Computing and IT Committee, Department of Geography and Environmental Studies, *Ryerson University*

Service Activities

- Reviewer.** SSHRC MSA/Doctoral Competition Applicants, *Ryerson University*
- Departmental Representative.** Ontario University Fair
- 2012 **Committee Member,** Scholarly Research and Creative Activities Committee, Department of Geography and Environmental Studies, *Ryerson University*
- Reviewer.** SSHRC MSA/Doctoral Competition Applicants, *Ryerson University*
- Departmental Representative.** Ontario University Fair
- Organizer.** Graduate Student Skills Workshop Series, Department of Geography, *SUNY – Buffalo*
- Organizer.** Graduate Research Symposium. Department of Geography, *SUNY – Buffalo*
- 2011 **Organizer.** Graduate Student Skills Workshop Series, Department of Geography, *SUNY – Buffalo*
- Organizer.** Graduate Research Symposium. Department of Geography, *SUNY – Buffalo*
- Member.** Geography Awareness Week Committee, Department of Geography, *SUNY – Buffalo*
- 2010 **Organizer.** Graduate Research Symposium. Department of Geography, *SUNY – Buffalo*
- Member.** Geography Awareness Week Committee, Department of Geography, *SUNY – Buffalo*
- 2009 **Organizer.** Graduate Research Symposium. Department of Geography, *SUNY – Buffalo*
- Member.** Geography Awareness Week Committee, Department of Geography, *SUNY – Buffalo*

Professional Development and Awards

Professional Awards and Distinctions

- 2013 Professors who made a mark, Ryerson University
- 2012 Graduate student excellence in teaching award, State University of New York at Buffalo
- 2007-2012 Presidential Fellowship, College of Arts and Sciences, State University of New York at Buffalo
- 2007-2012 Special Fellowship, College of Arts and Sciences, State University of New York at Buffalo
- 2000-2004 Special Fellowship, Honors College, State University of New York at Buffalo

Professional Development Activities

- 2016 Early Career Faculty Development Program, *Oklahoma State University*: Stillwater, OK
Workshop Course Preparing Online Instructors, *Oklahoma State University*: Stillwater, OK
- 2013 Vespucci Institute Synthesizing Population, Health, and Place: Catalina, CA
Leveraging Environmental Monitoring, *United States Environmental Protection Agency*: Buffalo, NY
Panel Data Methods for Public Policy Analysis (2013) *University of Toronto*, Toronto, ON
- 2012 Where Now: Moving Beyond Traditional Legal Geographies. *Baldy Center for Law and Social Policy*
ArcObject Programming Workshop. *State University of New York at Buffalo*: Buffalo, NY
Baldy Center Working Group on Law, Place, & Space. *Baldy Center for Law and Social Policy*: Buffalo, NY
- 2010 Growth and Expansion Tools Joint-Hosting by *UB Office of Economic Engagement & Buffalo Niagara Partnership*: Buffalo, NY
Summer Institute in Advanced Statistics and Methods (2010) Department of Sociology, *State University of New York at Buffalo*: Buffalo, NY
Grant Writer's Workshop: Writing Winning Grants (2010), *State University of New York at Buffalo*: Buffalo, NY
- 2009 The hidden places of Law: Exploring legal geographies (2009) *Baldy Center for Law and Social Policy*: Buffalo, NY

Computer Skills

Programming Experience: Matlab, R, Python, ArcObjects, Visual Basic

Mapping Software: ArcGIS, ArcServer, MapInfo, TransCAD, Google Earth, Google Maps API3

Statistical Software: R, SPSS, SAS, STATA, Geoda, SaTScan, GeoSurveillance, AMOS, HLM

Editing Software: MS Suite, Adobe Creative Suite, LaTeX, Google SketchUp

Operating systems: OSX, Windows