

Graduate Thesis PH.D

2016

Li He, Methodological considerations on the spatial and temporal analysis of violent crime patterns and the identification of social and environmental correlates of crime

Nancy La Monica

Sally Radisic, Factors Influencing Air Quality Health Index (AQHI) Adoption by “At Risk” Populations in the City of Hamilton, Ontario, Canada

Boadi Agyekum, Exploring the sense of place and mental well-being of visible minority immigrants

Sarah Beatty, Embracing complexity in hydrologic systems: towards a better understanding of dynamic soil water repellency.

2015

Robert Hendricks, Timing Of The Emplacement Of Ancient Coastal Deposits Of Georgia Determined By Optically Stimulated Luminescence And Electron Spin Resonance Optical Dating

Max Lukenbach, Hydrogeological and Ecohydrological Controls on Peatland Resilience to Wildfire”

Chris Higgins, A Value Planning Framework for Predicting and Recapturing the Value of Rapid Transit Infrastructure

Matthew Adams, [Advancing the Use of Mobile Monitoring Data for Air Pollution Modelling](#)

Scott Bennet, [Safer walking routes to school: Applied and methodological geographies of child pedestrian injury](#)

Heather Mcleod, [Investigating trapped gas processes in natural and hydrocarbon-contaminated groundwater](#)

Chris Drudge, Microbe-Contaminant Linkages in the Upper Waters of Lakes

Collins, Shawn, [Sedimentation Processes In Anchialine Caves Of The Yucatan Peninsula – The Role Of Karst Topography And Vegetation](#)

Kornelsen, Kurt, [Downscaling of Satellite Observations to Facilitate High Resolution Hydrological Modelling](#)

2014

Huang, Suo, [Assessing nitrogen controls on terrestrial carbon, water and energy fluxes and pools at multi-scales using the CLASS-CTEMN+ model](#)

Dalumpines, Ron, [Gis-Based Episode Reconsttruction Using Gps Data For Activity Analysis And Route Choice Modelling](#)

Dickin, Sarah, [Assessing vulnerability to water-associated disease: an ecosystem approach](#)

Doughty, Mike, [Postglacial seismicity in Ontario-Quebec determined through analysis of deformation structures in lake sediments](#)

Moumblow, Rebecca, [Nd isotope mapping of crustal boundaries within the eastern Grenville and Makkovik Provinces, southern Labrador](#)

Moniruzzaman, Md, [Mobility in Aging: Travel behavior and Implications for Physical Activity](#)

Slomka, Jessica, [Architectural element analysis of glaciated terrains](#)

Tschirhart, Victoria [Geophysical and geological integration and interpretation of the northeast Thelon Basin, Nunavut.](#)

2013

Jason Brodeur, [Data-driven approaches for sustainable operation and defensible results in a long-term, multi-site ecosystem flux measurement program](#)

Heidi Daxberger, [Kinematic and tectono-morphologic assessment of Neogene upper-crustal deformation in the southern Central Andes \(23 ° – 28° S\)](#)

Amy Elliott, [The Geomicrobiology of suspended aquatic flocs: links between microbial ecology, Fe\(III/II\)-redox cycling, & trace element behavior](#)

Athena Goodfellow, [Experiences of Transition From University to Knowledge Work for Graduates with Learning Disabilities](#)

Nagissa Mahmoudi, [Assessing in situ degradation of petroleum hydrocarbons by indigenous microbial communities](#)

Paul Moore, [Effects of long-term water-table manipulations on peatlands evapotranspiration, soil physical properties, and moisture stress.](#)

Janina Plach, [Trace Metal Biogeochemistry of Freshwater Flocc](#)

Michelle Vine, [The School Nutrition Environment: Examining the Context of a Health Promotion Intervention](#)

2012

Andrew Clark, [Understanding determinants of active travel Any interested faculty members and graduate students can attend.](#)

Kate Mulligan, [Dengue and Development: A critical Political Ecology](#)

Madeline Lee, [Curvature Analysis of aeromagnetic data for geological interpretation and quality control.](#)

Liliana DeMiglio, [Sustaining Palliative Care Teams That Provide Home-based Care Using a Shared Care Model.](#)

Sara Edge, [The socio-spatial construction and negotiation of knowledge, power and influence in the governance of environmental health risks from toxic chemicals in Canada](#)

Kathy Fisher, [Health Status and the Determinants Shaping Health in a Canadian Old Order Mennonite Community](#)

Aman Gill, [Changing Marketing Strategies in the Canadian Housebuilding Industry: From Mass Production and Mass Markets towards Niche Markets and Consumer Segmentation, c. 1945 - 2000](#)

Iris Lenauer, [Structural Analysis And 3d Kinematic Restoration Of The Southern Sudbury Basin, Ontario.](#)

Sandra Micucci, [Social Capital and Health in Multiple Communities: A Mixed Methods Study](#)

Dan Thompson, [Wildfire impacts on peatland ecohydrology](#)

2011

Asanin Dean, Jennifer, [Neighbourhood-level environmental determinants of adolescent body weight in low-socioeconomic status neighbourhoods in Ontario, Canada](#)

Chen, Bin, [Simulating Landscape and National Scale Carbon Fluxes in Canadian Terrestrial Ecosystems Using CN-CLASS](#)

Harrington, Daniel, [Newly emerging environmental health risks in a risk society: A case study of public perception of food allergies](#)

MacLachlan, John, [Analysis of subglacial deposits and landforms in southern Ontario using sedimentology and geomatics](#)

Norlund Kelsey, The ecology of geochemistry: bacterial sulfur geochemistry in mine waters.

Pilarczyk, Jessica, [Foraminiferal Taphonomy as a Paleo-Tsunami and Overwash Indicator in Coastal Environments - Evidence from Oman and the British Virgin Islands](#)

2010

Burdette, Kevin, [The record of Late Cenozoic coastal deposits preserved in the Florida Coastal Plain: Morphology and geochronology with implications for the stratigraphic record of Late Cenozoic sea level change in the Mid-Atlantic of the United States.](#)

Duval, Tim, Hydrological and Biogeochemical Controls on Calcareous Fen Ecosystems

Farber, Steven, The Social Cost of Automobility.

MacCormack, Kelsey, [Enhancing the Accuracy of 3-Dimensional Subsurface Models](#)

Papinski, Dominik [Investigating Route Choice Decisions using GPS and Prompted-Recall Diary Data](#)

Poetz, Annelises, [Risk is a Social Thing, Not Just a Mathematical Thing". A Model For the Management of Risk in Institutional Decision-Making.](#)

Spinney, Jamie, [Geography, Land Values, and Municipal Taxation: A Spatial Paradigm for the Estimation and Reclamation of Rent](#)

Sonnenberg, Lisa, Holocene Lake-Level Change and Submerged Archaeological Site Potential of Rice Lake, Ontario

2009

Brady, Allyson, [Isotopic Investigations of Carbon Cycling and Microbially Influenced Carbonate Precipitation in Freshwater Microbialites and Carbonate-rich Microbial Mats](#)

Evans, Joshua, [Emergency Powers: Addressing the Crisis of Homelessness in a Canadian City"](#)

Findlay, Duncan, ["The Geochemistry of the Internal Skeleton of Modern and Ancient Cephalopods"](#)

Freeman, Emily C. Blazing a Trail: a Constructivist Grounded Theory Study of the Experiences of Canadian Women with Endometriosis

Khomik, Myroslava, Components CO₂ Emissions in Different – Aged Planted Pine Forests

Peichl, Matthias, [Carbon dynamics and greenhouse gas exchange in an age-sequence of temperate pine forests.](#)

Pouliou, Dora, Overweight And Obesity In Canada" Understanding The Individual And Socio-Environmental Determinants

2008

Amores, Roderik, Microbially-Aided SiO₂ Biomineralization

Barakat Haddad, Caroline, Assessing the long-term health effects of childhood exposure to adverse air quality: case study from hamilton, ontario (1975 - 2005)

Simon Donato, [Sedimentologic and Taphonomic Investigation of Sur Lagoon, Sultanate of Oman](#)

Kang, Hejun, [Moving Beyond the Individual: Activity-Based Modeling of Time Use and Travel Behavior Incorporating Intra-Household Interactions](#)

2007

Bernier, Luc, "Sulphur Biogeochemistry in a Mine Tailings Lake"

Gloria Lopez, "Optical Dating of Barrier Island Sequences along the Florida North-West Gulf Coast, near Apalachicola, U.S.A."

Mercado, Ruben Transportation Policy and Planning in an Aging Society

Ren Zhang, "Paleotemperature Studies of Holocene Speleothems Using Fluid Inclusions

Xu, Lei (Sunny) Initial destination choices and subsequent relocations of the immigrants in Canada

2006

Goodman, Beverly, "Paleogeography of Liman Tepe, Turkey: a multiproxy geoarcheological study"

King, Karen, International and Internal Migration Dynamics of Canadian Immigrants: Subsequent Migrations and Intermediate Destinations

Pejam, Mahmoud, PH.D. , Reza, Carbon and water exchanges over a boreal mixed forest ecosystem in Canada, integrity Eddy correlation measurement, remote sensing and spatial variability of flux source area"

Potoglou, Dimitrios "Disaggregate automobile demand for conventional and alternative powered vehicles in the census metropolitan area of Hamilton"

Sahsuvaroglu, Talar "Estimating intraurban variations in exposure to traffic-related air pollution: Impacts on respiratory health and comparison to personal exposure concentrations"

Strack , Maria , "Ecohydrological controls on peatland carbon cycling"

Yi, Shuhua , Modelling soil freezing and thawing fronts using a land-surface-atmosphere interaction scheme

2005

Crighton, Eric, Pneumonia and Influenza Hospitalizations in Ontario: A Spatial, Temporal and Spatial-Temporal Analysis

Crooks, Valorie, Life with Fibromyalgia Syndrome: A Socio-Spatial Examination

Maoh, Hanna, Modeling Firm Demography in Urban Areas with an Application to Hamilton, Ontario: Towards an Agent-Based Microsimulation Model

Restrepo, Natalia, Water Vapour Energy and Carbon Dioxide Fluxes in a Chronosequence of Afforested White Pine Forests in Southern Ontario, Canada

2004

Arku, Godwin, The Evolution of Ideas about Housing and Economic Development, 1945 - 2000

Buliung, Ron, Data Organization and the Design of Measures for Exploration and Analysis of Household Activity and Travel Behaviour

Haack, Liz [Microbial-Mineral-Trace Metal Interactions in Acid Rock Drainage Biofilms.](#)

2003

Djietror, Godwin, [Towards An Understanding of Geographic Variation in Cardiovascular Disease Mortality and Morbidity in Ontario, 1986-1994](#)

MacMahon, Susanne, Classification and Prediction Analysis of Physical Rock Property Data from Downhole Geophysical Surveys

Mercier, Michael, [The Social Geography of Childhood Mortality in Toronto, Ontario, 1901.](#)

Spence, Christopher, [Hydrological and Energy Budget Processes of the Subarctic Canadian Shield](#)

Whitzman,Carolynn, [The Dream Attached to Places: From Suburban to Slum to Urban Village in a Toronto Neighbourhood, 1875-2002](#)

2002

Arnaud, Emmanuelle, [Sedimentological Analysis of Neoproterozoic Glacigenic Successions In Norway and Scotland](#)

Cuthbert, Angela, Urban Land Development and Road Development in Halifax-Dartmouth: A Spatial Analysis Using Parcel Level Data.

Feride Serefiddin, Feride, [Stable Isotope Paleoclimate Studies of Speleothenis](#)

McMullan, Colin, [A Qualitative Evaluation of Healthy and Sustainable Community Initiatives](#)

Riley, Barb, [Dissemination of Heart Health Promotion in Ontario's Public Health System: A Social Ecological Perspective](#)

Wakefield, Sarah, [Social Capital & Environmental Risk: Understanding Responses to Adverse Air Quality in Hamilton- Wentworth.](#)

2001

Binyamin, Jacqueline, [Modelling Spectral and Broadband UV-B \(290-325 nm\) Irradiance for Canada](#)

Buzzelli, Micheal, [The Canadian Urban Housebuilding Industry 1945-2000 : Firm size Structure and Production Methods](#)

Driedger, Michelle, [From Science to Policy Practice and Public Discourse: Claimsmaking and Chlorinated Drinking Water](#)

Iannantuono, Adele, [The Great Lakes and Human Health: An Interpretive Environmental Policy Analysis](#)

Jamieson, Robyn, [Environmental History of Atlantic Cod \(Gadus morhua\) from Isotopic Analysis of Otoliths.](#)

Manolopoulos, Helen, [Metal Sulfides in Oxidizing Freshwater Systems](#)

2000

Carey, Sean, [Hillslope Hydrology and Runoff Processes in a Subarctic, Subalpine Environment.](#)

Griffis, Tim, [Interannual Variability of Net Ecosystem CO2 Exchange at Subarctic Fen](#)

Luginaah, Isaac, [Community Health Impacts of a Petroleum Refinery in Oakville, ON.](#)

Scott, Darren Meryl, [Toward an operational model of daily household activity-travel behavior](#)

Snowling, Spencer, [Evaluation of Modelling Uncertainty and the Role of Model Complexity in Risk Assessment](#)

1999

Adams, Nicholas. Chemical Speciation of Silver(I) in Freshwater.

Brown, Mark. [The influence of industrial and spatial structure on Canada-US regional trade.](#)

Garvin, Theresa. [Evidence, policy and practice in environmental health.](#)

LeBlanc, George. Wavelet Analysis De-Noising of Aeromagnetic Data: Application to Hydrocarbon and Mineral Exploration

Lee, Jin-Hyung, [Stratigraphy and Sedimentology of the Lower Triassic Montney Formation, Peace River Arch Area](#)

Smith, Scott. [Metal interactions with natural organic matter determined using multiresponse fluorescence.](#)

Tarhule-Lips, Rozemarijn F.A. [Karst Processes on Cayman Brac, a small oceanic carbonate island.](#)

Tremblay, J.V. [Chemical Speciation\(I\) in Freshwater](#)

1998

Dabi, Daniel. [Water use in the rural economy of a semi-arid environment: a northern Nigeria case study.](#)

Edinger, Evan. [Effects of land-based pollution on Indonesian coral reefs: biodiversity, growth rates, bioerosion, and taphonomy.](#)

Lin, J.P. [Labor Migration in Taiwan.](#)

Nyong, Anthony. [Domestic water demand in rural semi-arid Nigeria.](#)

Van Beynen, Philip. [Investigations into the fluorescence of calcitic speleothems.](#)

1997

Baxter, Jamie. [Exploring the meaning of environmental risk and uncertainty in an environmentally sensitized community.](#)

Gao, Y. [Stable Isotope Analyses in Otoliths of Cod, *Cadus Morhua*.](#)

Hampson, Christine. [Residents' reappraisal of the Halton regional landfill site: a longitudinal study of psychosocial impacts.](#)

Heikoop, C.E. [Pb isotope systematics in Cenozoic igneous rocks from the Rio Grande Rift Region, U.S.A.](#)

Heikoop, J.M. [Environmental signals in coral tissue and skeleton. Examples from the Caribbean and Indo-Pacific.](#)

Smith Jodie, [The Use of Deep-Sea Corals as Paleocceanographic Monitors](#)

Tarhule, Andover. [Droughts, rainfall and rural water supply in Northern Nigeria.](#)

1996

Grant, Ali [Geographies of Oppression and Resistance: Contesting The Reproduction of the Heterosexual Regime](#)

Litva, Andrea. [Place, space and lay perceptions of health and illness.](#)

Moser, Katrina. [A limnological and paleolimnological investigation of lakes in Wood Buffalo National Park, Northern Alberta and the Northwest Territories, Canada.](#)

Peace, Walter. [People, space and time: landscape change in Hamilton's Durand neighbourhood.](#)

Ross, Nancy. [Attitudes towards smoking in the Community Intervention Trial for Smoking Cessation \(COMMIT\).](#)

Stuart-Williams, H. [Analysis of the variation of the oxygen isotopic composition of mammalian bone phosphate.](#)

Zymela, Steve. [Carbon, Oxygen and Strontium Isotopic composition of Diagenetic Calcite and Siderite from the Upper Cretaceous Cardium formation of Western Alberta.](#)

1995

Agyemang-Duah, Kwaku. [An analysis of the effect of locational factors and accessibility on discretionary trip generation using an ordered response model.](#)

Bloomfield, Victoria. [The journey to work in Toronto 1901-1951.](#)

Fan, X. [Structural studies of the Killarney Igneous Complex, Ontario and their tectonic implications.](#)

Ferguson, Mark. [The aggregated spatial logit model: theory, estimation and application.](#)

Guo, A. [Tectonic significance of ND model age mapping in the Grenville Province of Western Quebec, Canada.](#)

Guo, J. [Double layer interaction model and particle concentration effect in water.](#)

Hamilton, James Patrick, [Karst Geomorphology and Hydrogeology of the Northeastern Mackenzie Mountains, District of Mackenzie, N.W.T. Canada](#)

Lee, H-K. ESR plateau dating of fault rocks.

McLaughlin, Richard M. [Boron and strontium isotope study of fluids situated in fractured and unfractured rock of the Lac du Bonnet Batholith, eastern Manitoba](#)

Tsujita, C. [Stratigraphy, taphonomy, and paleoecology of the Upper Cretaceous Bearpaw Formation in southern Alberta.](#)

Young, Kathy. [Slope hydroclimatology and hydrologic responses to global change in a small high arctic basin.](#)