CURRICULUM VITAE

JANE LAW

BSc. MSc. PhD, MRICS, MHKIS

Associate Professor

(1) School of Planning (2) School of Public Health Sciences, University of Waterloo

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DEGREES

Ph.D. Geodesy and Geomatics Engineering, University of New Brunswick, Canada, 2000.

University Teaching Diploma, University of New Brunswick, Canada, 1999.

M.Sc. Land Information Systems, Hong Kong Polytechnic University, Hong Kong, 1994.

BSc. Surveying and Mapping Sciences, North East London Polytechnic (now University of East London), UK, 1985.

EMPLOYMENT HISTORY

2012 – Present	**Associate Professor** University of Waterloo, CA: (1) School of Planning; (2) School of Public Health Sciences.
2007 – 2012	**Assistant Professor** University of Waterloo, CA: (1) School of Planning; (2) School of Public Health Sciences.
2001 – 2007	**Postdoctoral Research Associate** University of Cambridge, UK: (1) Medical Research Council (MRC) Biostatistics Unit; (2) Centre for Nutritional Epidemiology in Cancer Prevention and Survival, Strangeways Research Laboratory, Department of Public Health and Primary Care; (3) Department of Geography.
1996 – 2001	**Research Assistant** Canadian Research Institute for Social Policy, Fredericton, New Brunswick, CA.

1985 – 1996 **Land Surveyor**

Lands Department (Land Information Centre, Geodetic Survey, Topographical Mapping, Cadastral Survey, Technical Information Unit) and Highways Department, Hong Kong Government, Hong Kong.

1984 **Land Survey Trainee**

Engineering Survey Ltd., UK.

RESEARCH INTERESTS

Geographic Information Systems and Spatial Analysis Methodologies and their Applications in Public Health and Crime Research; Spatial Demography; Spatial Statistics; Bayesian Spatial and Spatio-temporal Analysis; Hierarchical (Multilevel) Spatial Modeling; Spatial Epidemiology; Environmental Criminology; Healthy communities and the Built Environment; Neighbourhood/Community Effect; Geomatics, Land Information Systems; Public Health Planning; Law Enforcement Planning.

ARTICLES IN PEER-REVIEWED JOURNALS (* DENOTES STUDENT CO-AUTHORS)

1. Abdullah, A.*, Law, J., Butt, Z., & Perlman, C. (2021) Understanding the Differential Impact of Vegetation Measures on Modeling the Association between Vegetation and Psychotic and Non-Psychotic Disorders in Toronto, Canada. Int. J. Environ. Res. Public Health 2021, 18(9), 4713; https://doi.org/10.3390/ijerph18094713
2. Rutter EC, Tyas SL, Maxwell CJ, **Law, J.**, O'Connell, M., Konnert, C., & Oremus, M. (2020) Association between functional social support and cognitive function in middle-aged and older adults: a protocol for a systematic review, *BMJ Open 2020;10:e037301*. DOI: 10.1136/bmjopen-2020-037301
3. **Law, J.**, Quick M. *, & Jadavji, A*. (2020) A Bayesian spatial shared component model for identifying crime-general and crime-specific hotspots, *Annals of GIS*, DOI: 10.1080/19475683.2020.1720290
4. Oremus, M., Konnert, C., **Law, J.**, Maxwell, C.J., O'Connell, M., & Tyas, S. (2019) Social support and cognitive function in middle- and older-aged adults: descriptive analysis of CLSA tracking data, *European Journal of Public Health*, Volume 29, Issue 6, December 2019, Pages 1084–1089, https://DOI.org/10.1093/eurpub/ckz047
5. Quick, M.*, Li, G., & **Law, J.** (2019). Spatiotemporal modelling of correlated small-area outcomes: Analyzing the shared and type-specific patterns of crime and disorder. Geographical Analysis, 51, 221–248, DOI:10.1111/gean.12173

6. Leung, A*, **Law, J,** Cook, M. & Leatherdale, S**.** (2019). Exploring and visualizing the small-area level socio-economic factors, alcohol availability and built environment influences of alcohol expenditure for the city of Toronto: A spatial analysis approach. *Health Promotion and Chronic Disease Prevention in Canada, Vol. 39, No. 1, https://DOI.org/10.24095/hpcdp.39.1.02*

7. **Law, J**., & Perlman, C. (2018). Exploring geographic variation of mental health risk and service utilization of doctors and hospitals in Toronto: A shared component spatial modeling approach. *International Journal of Environmental Research and Public Health, 15*(4), 593. DOI:10.3390/ijerph15040593

8. Perlman, C. M., **Law, J.**, Luan, H.*, Rios, S., Seitz, D., & Stolee, P. (2018). Geographic clustering of admissions to inpatient psychiatry among adults with cognitive disorders in Ontario, Canada: Does distance to hospital matter? *The Canadian Journal of Psychiatry, 63*(6), 404-409. DOI:10.1177/0706743717745870

9. Luan, H.*, **Law, J.,** & Lysy, M. (2018). Diving into the consumer nutrition environment: A Bayesian spatial factor analysis of neighborhood restaurant environment. *Spatial and Spatio-temporal Epidemiology, 24*, 39-51. DOI:10.1016/j.sste.2017.12.001

10. Quick, M.*, **Law, J.,** & Li, G. (2017). Time-varying relationships between land use and crime: A spatio-temporal analysis of small-area seasonal property crime trends. *Environment and Planning B: Urban Analytics and City Science*, *0*(0), 1-18. DOI:10.1177/2399808317744779

11. Quick, M.*, **Law, J**., & Luan, H.* (2017). The influence of on-premise and off-premise alcohol outlets on reported violent crime in the Region of Waterloo, Ontario: Applying Bayesian spatial modeling to inform land use planning and policy. *Applied Spatial Analysis and Policy, 10*(3), 435-454. DOI:10.1007/s12061-016-9191-5

12. Luan, H.*, Quick, M.*, & **Law, J**. (2016). Analyzing local spatio-temporal patterns of police calls-for-service using Bayesian Integrated Nested Laplace Approximation. *ISPRS International Journal of Geo-Information, 5*(9), 162. DOI:10.3390/ijgi5090162

13. Luan, H.*, Minaker, L. & **Law, J**. (2016). Do marginalized neighborhoods have less healthy retail food environments? An analysis using Bayesian spatial latent factor and hurdle models. *International Journal of Health Geographics, 15*(1), 29. DOI:10.1186/s12942-016-0060-x

14. Du, Y.*, & **Law, J.** (2016). How do vegetation density and transportation network density affect crime across an urban central-peripheral gradient: A case study in Kitchener - Waterloo, Ontario**.** *ISPRS International Journal of Geo-Information, 5*(7), 118. DOI:10.3390/ijgi5070118

15. **Law, J.** (2016). Exploring the specifications of spatial adjacencies and weights in Bayesian spatial modeling with intrinsic conditional autoregressive priors in a small-area study of fall injuries. In P. Congdon (ed.) *AIMS Public Health*, *Special issue: Spatial Aspects of Health Methods and Applications, 3*(1), 65-82. DOI:10.3934/publichealth.2016.1.65

16. Quick, M.*, **Law, J.,** Christidis, T.*, & Paller, C.* (2016). Exploring the socioeconomic composition of wind farm communities in Ontario: Implications for wind farm planning and policy. *Canadian Journal of Urban Research, 25*(2), 62-72. Last accessed on 20 June 2018. Available at: http://cjur.uwinnipeg.ca/index.php/cjur/article/view/47

17. Paller, C.*, Christidis, T.*, Majowicz, S., Aramini, J., **Law, J.**, & Bigelow, P. (2016). Use of Admail and a geographic information system to send surveys to target populations. *Canadian Journal of Rural Medicine*, *21*(3), 67-72. PMID:27386913

18. **Law, J.**, Quick, M.*, & Chan, P.W. (2015). Open area and road density as land use indicators of young offender residential locations at the small-area level: A case study in Ontario, Canada. *Urban Studies*, *53*(8), 1710-1726. DOI:10.1177/0042098015576316

19. Luan H.*, **Law, J.**, & Quick, M.* (2015). Identifying food deserts and swamps based on relative healthy food access: A spatio-temporal Bayesian approach. *International Journal of Health Geographics*, *14*, 37. DOI:10.1186/s12942-015-0030-8

20. **Law, J**., Quick, M.*, & Chan, P.W. (2015). Analyzing hotspots of crime using a Bayesian spatiotemporal modeling approach: A case study of violent crime in the Greater Toronto Area. *Geographical Analysis*, *47*(1) 1-19. DOI:10.1111/gean.12047

21. Luan, H.*, & **Law, J**. (2014). Web GIS-Based public health surveillance systems: A systematic review. *ISPRS International Journal of Geo-Information*, *3*(2), 481-506. DOI:10.3390/ijgi3020481

22. **Law, J.**, Quick, M.*, & Chan, P.W. (2014). Analyzing local patterns of crime over time at the small-area level: A Bayesian spatio-temporal modeling approach. *Journal of Quantitative Criminology*, *30*(1), 57-78. DOI:10.1007/s10940-013-9194-1

23. Christidis, T.*, & **Law, J**. (2013). Mapping Ontario's wind turbines: Challenges and limitations. *ISPRS International Journal of Geo-Information*, *2*(4), 1092-1105. DOI:10.3390/ijgi2041092

24. **Law, J.**, & Quick, M.* (2013). Exploring links between juvenile offenders and social disorganization at a large map scale: A Bayesian spatial modeling approach. *Journal of Geographical Systems, 15*(1), 89-113. DOI:10.1007/s10109-012-0164-1s

25. Quick, M.*, & **Law, J.** (2013). Exploring hotspots of drug offences in Toronto, Ontario: A comparison of four local spatial cluster detection methods. *Canadian Journal of Criminology and Criminal Justice*, *55*(2), 215-238. DOI:10.3138/cjccj.2012.E13

26. **Law, J.**, & Chan, P. (2012). Bayesian spatial random effect modeling for analyzing burglary risks controlling for offender, socioeconomic, and unknown risk factors. *Applied Spatial Analysis and Policy*, *5*, 73-96. DOI:10.1007/s12061-011-9060-1

27. Christidis, T.*, & **Law, J.** (2012). Annoyance, health effects, and wind turbines: Exploring Ontario's planning process. *Canadian Journal of Urban Research*, *21*(1), 81-105. Last accessed on 04 July 2018. Available at: https://www.jstor.org/stable/26193899

28. Christidis, T.*, & **Law, J.** (2012). The use of GIS in wind turbine and wind energy research. *Journal of Renewable and Sustainable Energy*, *4*(1), 127011-127019. DOI:10.1063/1.3673565

29. **Law, J.**, & Chan, P. (2012). Monitoring residual spatial pattern using Bayesian hierarchical spatial modelling for exploring unknown risk factors. *Transactions in GIS*, *15*(4), 521-549. DOI:10.1111/j.1467-9671.2011.01276.x

30. Chan, W.*, **Law, J.**, & Seliske, P. (2011). Bayesian spatial methods for small-area injury analysis: A study of geographic variation of falls in older people in the Wellington-Dufferin-Guelph Health Region in Ontario, Canada. *Injury Prevention*, *18*(5), 303-308. DOI:10.1136/injuryprev-2100-040068

31. Meng, G.*, **Law, J.**, & Thompson, M. (2010). Small-scale health-related indicator acquisition using secondary data spatial interpolation. *International Journal of Health Geographics*, *9*, 50. DOI:10.1186/1476-072X-9-50

32. Haining, R., Li, G., Maheswaran, R., Blangiardo, M., **Law, J**., Best, N., & Richardson, S. (2010). Inference from ecological models: Estimating the relative risk of stroke from air pollution exposure using small area data. *Spatial and Spatio-temporal Epidemiology, 1*(2-3), 123-131. DOI:10.1016/j.sste.2010.03.006

33. Haining, R., **Law, J.**, & Griffith, D. (2009). Modelling small area counts in the presence of overdispersion and spatial autocorrelation. *Computational Statistics and Data Analysis, 53*(8), 2923-2937. DOI:10.1016/j.csda.2008.08.014

34. Haining, R., & **Law, J.** (2007). Combining police perceptions with police records of serious crime areas: A modelling approach. *Journal of the Royal Statistical Society, Series A, 170*(4), 1019-1034. DOI:10.1111/j.1467-985X.2007.00477.x

35. Haining, R., **Law, J.**, Maheswaran, R., Pearson, T., & Brindley, P. (2007). Bayesian modelling of environmental risk: A small area ecological study of coronary heart disease mortality in relation to modelled outdoor nitrogen oxide levels. *Stochastic Environmental Research and Risk Assessment*, *21*(5), 501-509. DOI:10.1007/s00477-007-0134-1

36. **Law, J.**, Haining, R., Maheswaran, R., & Pearson, T. (2006). Analyzing the relationship between smoking and coronary heart disease at the small area level: A Bayesian approach to spatial modelling. *Geographical Analysis, 38*(2), 140-159. DOI:10.1111/j.0016-7363.2006.00680.x

37. Maheswaran, R., Haining, R.P., Pearson, T., **Law, J.**, Brindley, P., & Best, N.G. (2006). Outdoor NO_x and stroke mortality: Adjusting for small area level smoking prevalence using a Bayesian approach. *Statistical Methods for Medical Research, 15*, 499-516. DOI:10.1177/0962280206071644

38. Maheswaran, R., Haining, R.P., Brindley, P., **Law, J**., Pearson, T., Fryers, P.R., Wise, S., & Campbell, M.J. (2005). Outdoor air pollution and stroke in Sheffield, United Kingdom: A small-area level geographical study. *Stroke, 36*(2), 239-243. DOI:10.1161/01.STR.0000151363.71221.12

39. Maheswaran, R., Haining, R.P., Brindley, P., **Law, J.**, Pearson, T., Fryers, P.R., Wise, S., & Campbell, M. (2005). Outdoor air pollution, mortality, and hospital admissions from coronary heart disease in Sheffield, UK: A small-area level ecological study. *European Heart Journal, 26*(23), 2543-2549. DOI:10.1093/eurheartj/ehi457

40. Law, J., & Haining, R. P. (2004). A Bayesian approach to modelling binary data: The case of high-intensity crime areas. *Geographical Analysis, 36*(3), 197-216. DOI:10.1111/j.1538-4632.2004.tb01132.x

CHAPTERS IN BOOKS (* DENOTES STUDENT CO-AUTHORS)

1. Quick, M.* & **Law, J.** (2015). Analyzing the Influence of Ethnic Composition and Immigrant Residents on the Spatial Distribution of Violent Crime. In F. Harvey & Y. Leung (Eds.), *Advances in Spatial Data Handling and Analysis*, (pp. 227-243). Switzerland: Springer International Publishing.

2. Haining, R. & **Law, J.** (2011). Geographical Information Systems Models and Spatial Data Analysis. In A. Batabyal & P. Nujkamp (Eds.), *Research Tools in Natural Resource and Environmental Economics*, (pp. 377-401) Singapore: World Scientific Publishing.

3. **Law, J.** & Chan, P. (2009). GIS in Public Health. In W. Dong (ed.), *Public Health Sciences*, (pp. 199-218) Beijing: Renmin University Press.

4. **Law, J.** & Willms, D. (2002). Provincial maps depicting neighborhood types. In D. Willms (ed.), *Vulnerable Children: Findings from Canada's National Longitudinal Survey of Children and Youth*, (pp. 389-406) Alberta: University of Alberta Press and Human Resources Development Canada.

PEER-REVIEWED PAPERS IN CONFERENCE PROCEEDINGS (* DENOTES STUDENT CO-AUTHORS)

1. Quick, M.*, & **Law, J.** (2016). A spatial mixture model to account for risk discontinuities: Analyzing attempted suicide in Waterloo Region, Ontario. *International Conference on GIScience Short Paper Proceedings, 1*(1), 240-243. DOI:10.21433/B3112913r4x8
2. Quick, M.*, & **Law, J**. (2015). Analyzing the influence of ethnic composition and immigrant residents on the spatial distribution of violent crime. In F. Harvey & Y. Leung (eds.) *Advances in Spatial Data Handling and Analysis,* (pp. 227-243). Switzerland: Springer, Cham.
3. **Law, J.** (2012). Health and the environment: A geographical study of drugs at different school neighbourhoods. *International Conference on Environmental Science and Development (ICESD 2012), 1*, 226-232. DOI:10.1016/j.apcbee.2012.03.037
4. Christidis, T.* & **Law, J.** (2012). Challenges to studying the health effects of wind turbines among different research designs. In *IPCBEE: Vol. 27. 2012 International Conference on Clean and Green Energy* (pp. 1-5). Singapore: IACSIT Press.

OTHER SELECTED PUBLICATIONS/REPORTS (NON-PEER-REVIEWED)

1. **Law, J.**, White, I., Bingham, S., Welch, A., & Luben, R. (2007). *Breast cancer and fat: Measurement error study*. Centre for Nutritional Epidemiology in Cancer Prevention and Survival, Strangeways Research Laboratory, University of Cambridge, United Kingdom.
2. **Law, J.,** & Haining, R. (2007). *Development of a regional housing market model: A web-based spatial model*. Report prepared for the South East Wales Regional Housing Forum, United Kingdom.
3. Willms, J.D., Watts, D.L., Konarski, R., & **Law, J.** (1999). *Forecasting hospital utilization rates in New Brunswick.* Report prepared for the New Brunswick Health Association, Fredericton, New Brunswick, Canada.
4. **Law, J.**, & Lau, C.T. (1995). *Automatic updating of digital map*. Proceedings of the AM/FM International Conference XVIII, Baltimore, USA.

5. **Law, J.**, & Brimicombe, A. (1994). *Integrating primary and secondary data sources in land information systems for recording change.* Proceedings of the Fig XX International Congress, Melbourne, Australia.

CONFERENCE PAPERS (* DENOTES STUDENT CO-AUTHORS)

1. Onifade, M. * & **Law, J.** (November, 2020). Increasing green space to reduce street crime in toronto: evidence from a spatial analysis study at the neighbourhood level, The Association of Collegiate Schools of Planning, Virtual Conference.
2. Nazia, N. *, **Law, J.**, Oremus, M., Tyas, S. & Maxwell, C. (2019, May). *Geographic patterns of memory functions in 45-85 year olds in Vancouver: a geostatistical analysis.* Symposium on Aging Research, University of Waterloo.
3. Elizabeth, M.*, Yang, Y.*, & **Law, J.** (2018, June). *A spatial analysis of the association between High Blood Pressure prevalence and social and environmental factors in the older population of Toronto*. Paper presented at the 2018 National Student Conference of the Canadian Society of Epidemiology and Biostatistics, Thunder Bay, Ontario, Canada.
4. Shah, D.*, Yang, Y.*, & **Law, J.** (2018, June). *A spatial analysis of mental health visits in Females 20+ in the Toronto region*. Paper presented at the 2018 National Student Conference of the Canadian Society of Epidemiology and Biostatistics, Thunder Bay, Ontario, Canada.
5. Jadavji, A.*, Yang, Y.* & **Law, J.** (2018, March). Spatial Analysis of Toronto Residents Aged 20-44: Could increased accessibility to health providers decrease their hypertension rate? The Ontario Public Health Convention, Beanfield Centre, Toronto, ON.
6. **Law, J.** (2017, December). *Creating road indices for improving transportation safety: A Bayesian spatial and spatiotemporal modeling approach*. Paper presented at the 22nd HKSTS International Conference, Transport and Safety, Intercontinental Grand Standford, Hong Kong, China.
7. Gevaert, V.*, Yang, Y.*, & **Law, J.** (2017, November). Mental Health of Older Female Adults: Hotspots and the Singled-Out Association with Income Inequality at the neighborhood level in Toronto. Poster presented at the 9th Annual Canadian Conference on Dementia, Sheraton Centre Toronto Hotel.
8. Minaker, L., **Law, J**., Luan, H.*, & Quick, M*. (2017, April). *Obesity, its associations with the food environment, and spatio-temporal Indicators of the food environment in the Region of Waterloo*. Paper presented at the 5th Canadian Obesity Summit of the Canadian Obesity Network, Banff, Alberta, Canada.

9. Luan, H.*, Quick, M.*, & **Law, J.** (2017, April). *A spatial zero-inflated Poisson model for analyzing violent crime data with zero inflation*. Paper presented at the Association of American Geographers Annual Meeting, Boston, Massachusetts, USA.

10. Perlman, C.M., **Law, J.**, Rios, S., Luan, H.*, Seitz, D., & Stolee, P. (2017, May). *Hotspots' of psychiatric hospitalizations among older adults with delirium, dementia, and cognitive disorders in Ontario, 2011-2014*. Paper presented at the Canadian Association for Health Services and Policy Research Conference: A Learning Healthcare System: Let the Patient Revolution Begin, Toronto, Ontario, Canada.

11. Quick, M.* & **Law, J.** (2016, September). *A spatial mixture model to account for risk discontinuities: analyzing attempted suicide in Waterloo region*. Paper presented at GIScience 2016, Montreal, Quebec, Canada.

12. Quick, M.* & **Law, J.** (2016, September). *Identifying local spatial patterns of crime and health: A Bayesian shared component model*. Presented at the 2016 Canadian Association of Geographers of Ontario Conference, Waterloo, Ontario, Canada

13. Quick, M.* & **Law, J.** (2016, November) *Spatiotemporal analysis of the association between neighborhood land use and seasonal property crime patterns.* Presented at The American Society of Criminology, New Orleans, Louisiana, USA.

14. Luan, H.*, **Law, J.,** & Quick, M.* (2016, April). *Local spatio-temporal patterns of relative healthy food access in the Region of Waterloo, Ontario (2011-2014)*. Paper presented at The Ontario Public Health Convention, Toronto, Ontario, Canada.

15. Luan, H.*, **Law, J.**, & Minaker, L. (2015, April). *Diving into the consumer nutrition environment: A retail food environment index based on spatial Bayesian factor analysis at a small-area level*. Paper presented at the Association of American Geographers Annual Meeting, Chicago, USA.

16. Quick, M.*, Luan, H.*, & **Law, J.** (2015, June) *The influence of alcohol outlet density on violent crime calls-to-police in Waterloo Region, Ontario: A Bayesian spatial analysis*. Presented at the Canadian Association of Geographers Annual Meeting, Simon Fraser University, Vancouver, Canada.

17. Quick, M.*, & **Law, J.** (2015, October). *Analyzing the influence of ethnic composition and immigrant residents on the spatial distribution of violent crime*. Presented at the Proceedings of the Joint International Conference on Geospatial Theory, Processing, Modeling, and Applications, Toronto, Ontario, Canada.

18. **Law, J.** (2013, December). *Bayesian hierarchical model for analysis of space-time data in social science research*. Presented at the 9th ICSA International Conference: Challenges of Statistical Methods for Interdisciplinary Research and Big Data, Hong Kong, China.

19. Claire, P*, Bigelow, P., Majowicz, S., **Law, J.**, & Christidis, T.* (2013, October). *Wind turbine noise, sleep quality, and symptoms of inner ear problems.* Paper presented at the Symposium of Sustainability from the Council of Ontario Universities, Toronto, Ontario, Canada.

20. **Law, J.** (2012, December). *What characteristics of urban development matter in the planning of healthy and safe communities: findings from spatial analysis of juvenile delinquents?* Presented at the International Conference on Spatial and Social Transformation in Urban China, Hong Kong, China.

21. Quick, M.* & **Law, J.** (2012, May). *Exploring hotspots of drug offences in Toronto, Ontario: A comparison of four local spatial cluster detection methods*. Presented at the Canadian Association of Geographers, Waterloo, Ontario, Canada.

22. **Law, J.** (2011, October). *Bayesian spatial analysis of recorded injuries for strategic planning to prevent injuries: Variable versus equal weighting of neighbours in conditional autoregressive modelling*. Presented at the 7th International, Interdisciplinary Conference on Spatial Statistics and Geomedical Systems, Victoria, British Columbia, Canada.

23. Chan, W.*, **Law, J.**, & Seliske, P. (2011, May). *Bayesian spatial methods for small-area injury analysis: A case study of seniors' falls in the Wellington-Dufferin-Guelph Health Region*. Presented at the Association of Public Health Epidemiologists Conference, Horseshoe Valley, Ontario, Canada.

24. **Law, J.** (2011, April). *Understanding the distribution of crime: Does it matter when and where they occur? A Bayesian spatio-temporal analysis approach*. Presented at the Session on Applications of Spatial-temporal Analysis in GIScience, American Association of Geographers Annual Meeting, Seattle, USA.

25. Chan, W.*, **Law, J.**, & Seliske, P. (2011, April). *Exploring the Association between seniors' falls and housing condition using GIS and Bayesian spatial analysis*. Presented at the Combined Research Day in Geriatric Medicine, Hamilton, Ontario, Canada.

26. **Law, J.** (2010). *The use of GIS for research and analysis of crime*. Presented at the Ontario Association of Law Enforcement Planners (OALEP) 2010 Fall Business Symposium, Kitchener, Ontario, Canada.

27. Chan, W.*, **Law, J.**, & Seliske, P. (2010, December). *Use of a Bayesian spatial modelling approach to analyze cases of seniors' falls in the Wellington-Dufferin-Guelph Health Region*. Presented at the 39th

Annual Scientific and Educational Meeting, Canadian Association on Gerontology, Montreal, Quebec, Canada.

28. Harris, B.*, **Law, J.**, Rodriguez, P., Gupta, P.C., Sinha, D.N., & Jha, P. (2010, October). *Spatial regression and clustering in examining tobacco use in Indian men*. Presented at the Canadian Association of Geographers, Ontario Division, Annual Meeting, Toronto, Ontario, Canada.
29. Meng, G.*, **Law, J.**, & Thompson, M. (2010, June). *Canadian Community Health Survey (CCHS) data handling for geographical analysis of social and environmental determinants of adverse birth outcomes*. Presented at the Canadian Public Health Association Centennial Conference, Toronto, Ontario, Canada.
30. **Law, J**. (2010, May). *Drug at schools and their neighborhoods*. Presented at the 14th International Symposium on Spatial Data Handling, Hong Kong, China.
31. Maheswaran, R., Li, G., **Law, J.,** Haining, R., Blangiardo, M., Richardson, S., & Best, N. (2009, November) *Inference from ecological models: Air pollution and stroke using data from Sheffield, England*. Presented at the GEOMED, 6th international, interdisciplinary conference on geomedical systems, Charleston, South Carolina, USA.
32. Haining, R., & **Law, J.** (2003, June). *Bayesian spatial modelling of high-intensity crime areas*. Presented at the Royal Geographical Society Annual Conference, London, United Kingdom.
33. **Law, J.**, & Haining, R. (2003, August). *Bayesian spatial modelling of high-intensity crime areas*. Presented at the Regional Science Association International Conference, Scotland, United Kingdom.
34. **Law, J.** (1999). *Exploring communities using multivariate demographic data*. Presented at the Geo99: Mapping the Future: Tools, Techniques, Technologies, Fredericton, New Brunswick, Canada.
35. **Law, J.** (1998). *Identifying communities through spatial analysis of multivariate demographic data*. Presented at the Spatial Data Infrastructure: The 10th International Geomatics Conference, Ottawa, Ontario, Canada.
36. **Law, J.** (1994). *The application and potential development of land information system in survey division, Highways Department, Hong Kong*. Presented at the Asia GIS/LIS AM/FM and Spatial Analysis Conference, Hong Kong, China.

RESEARCH FUNDING

Year	Granting Agency	Project Title
2018 - 2020	Velux Stiftung	Does Social Support Availability Promote

Year	Granting Agency	Project Title
		Cognitive Function in Middle- and Older-Aged Adults? (Co-applicant)
2009 - 2022	NSERC (Discovery grant)	Advancing spatial analysis methodologies using a Bayesian approach (Principal investigator)
2017 - 2018	CIHR (Planning and dissemination grant on healthy cities)	Towards healthy mid-sized cities: Assessing the potential for electric-bicycles to facilitate transportation reform using big-data (Co-investigator)
2016 - 2018	CIHR (Catalyst Grant)	The association between social support, depression, and cognition in mid-to-late-life: A cross-sectional study (Co-investigator)
2015 - 2016	Network for Aging Research, UW	Exploring the Use of Spatial Analysis for Understanding Health Services Utilization and Access among Older Adults with Mental Health Conditions (Co-investigator)
2015	Hong Kong Government (Lands Department)	Training course on spatial statistical analysis (Principal investigator)
2009 - 2015	CIHR (Strategic Training Initiative in Health Research)	Pan Canadian Strategic Training in Population Intervention Research for Chronic Disease Prevention (Co-investigator)
2009 - 2015	Council of Ontario Universities through the Ontario Research Chair in the Department of Electrical and Computer Engineering	Renewable Energy Technologies and Health (Co-investigator)
2007	UW/SSHRC seed grant	A pilot study for explaining geographic variation of crime using Bayesian spatial analysis (Principal investigator)