

# GRANT MCKENZIE

## Curriculum Vitae

*April 14, 2025*

Department of Geography · McGill University · Montréal, Quebec, Canada

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### APPOINTMENTS

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2018 - Present	<b>McGill University</b> <i>Associate Professor (2023 - Present)</i> <i>Assistant Professor (2018 - 2023)</i> Department of Geography Platial Analysis Lab - Director ( <a href="https://platial.science">https://platial.science</a> )	<i>Montréal, Canada</i>
2016 - 2018	<b>University of Maryland</b> <i>Assistant Professor</i> Department of Geographical Sciences Center for Geospatial Information Science	<i>College Park, USA</i>
2015 (6 mo)	<b>University of California, Santa Barbara</b> <i>Postdoctoral Researcher</i> Department of Geography	<i>Santa Barbara, USA</i>

### EDUCATION

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2010 - 2015	<b>University of California, Santa Barbara</b> Department of Geography Doctor of Philosophy (Geographic Information Science) <i>Supplemental emphasis in Information Technology &amp; Society</i>	<i>Santa Barbara, USA</i>
2006 - 2008	<b>University of Melbourne</b> Department of Geomatic Engineering Master of Applied Science (with Honours)	<i>Melbourne, Australia</i>
2003 - 2004	<b>British Columbia Institute of Technology</b> Geographic Information Systems Technical Diploma (Full-time)	<i>Vancouver, Canada</i>
1998 - 2002	<b>University of British Columbia</b> Department of Geography Bachelor of Arts	<i>Vancouver, Canada</i>

### VISITING APPOINTMENTS

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May-June 2024	<b>University of Vienna</b> - Visiting Professor	<i>Vienna, Austria</i>
Feb-Apr 2024	<b>University of Canterbury</b> - Visiting Erskine Fellow	<i>Christchurch, New Zealand</i>
Jun-Aug 2021	<b>Tableau Research (Salesforce)</b> - Visiting Researcher	<i>Seattle, USA</i>

## PUBLICATIONS

\* Indicates students under my supervision

## Refereed Journal Articles

- 2025 Frazier, A., Nelson, T., Kedron, P., Shook, E., Dodge, S., Murray, A., Goodchild, M., Battersby, S., Blanford, J. I., Claramunt, C., Holler, J., Koylu, C., Lee, A., Manson, S., Salap-Ayca, S., Wilson, J., Zhao, B., Bennett, L., Cabrera-Arnau, C., Franklin, R., **McKenzie, G.**, Miller, H., Oshan, T., Rey, S., Rowe, F., Spielman, S., Xu, W. (Accepted) [Reflecting on the role of GIScience Education in an age of disruptions](#). *Transactions in GIS*. Wiley.
- 2025 **McKenzie, G.**, Romm, D.\*, Féré, C.\*, Balarezo, M.L.G. [Gender differences in urban recreational running: A data-driven approach](#). *Journal of Transport Geography*. 124. 104171. Elsevier.
- 2024 Zhang, H.\*, **McKenzie, G.** [Geoprivacy knowledge, attitudes, and behaviours in contemporary China](#). *Geographical Review*. pp. 1-25. Taylor & Francis.
- 2024 Nelson, T., Frazier, A., Kedron, P., Dodge, S., Zhao, B., Goodchild, M., Murray, A., Battersby, S., Bennett, L., Blanford, J. I., Cabrera-Arnau, C., Claramunt, C., Franklin, R., Holler, J., Koylu, C., Lee, A., Manson, S., **McKenzie, G.**, Miller, H., Oshan, T., Rey, S., Rowe, F., Salap-Ayca, S., Shook, E., Spielman, S., Xu, W., Wilson, J. [A research agenda for GIScience in a time of disruptions](#). *International journal of geographical information science*. 39(1) pp. 1–24. Taylor & Francis.
- 2024 Qiang, D.\*, **McKenzie, G.** [Navigating the post-pandemic urban landscape: Disparities in transportation recovery & regional insights from New York City](#). *Computers, Environment and Urban Systems*. 110. 102111. Elsevier.
- 2024 Verma, P\*, **McKenzie, G.** [Regional Comparison of Socio-Demographic Variation in Urban E-scooter Usage](#). *Environment and Planning B: Urban Analytics and City Science (Special issue on Spatial Inequalities and Cities)*. Sage.
- 2023 **McKenzie, G.**, Battersby, S., Setlur, V. [MixMap: A user-driven approach to place-based semantic similarity](#). *Cartography and Geographic Information Science*. pp. 1-16. Taylor & Francis.
- 2022 Psyllidis, A., Gao, S., Hu, J., Kim, E-K., **McKenzie, G.**, Purves, R., Yuan, M., Andris, C. [Points of Interest \(POI\): A commentary on the state of the art, challenges, and prospects for the future](#). *Computational Urban Science*. 2(20). Springer.
- 2022 **McKenzie, G.**, Romm, D.\*, Zhang, H.\*, Brunila, M.\* [PrivyTo: A privacy preserving location sharing platform](#). *Transactions in GIS*. 26(4). pp. 1703-1717. Wiley Press.
- 2022 Zhang, H.\*, **McKenzie, G.** [Rehumanize geoprivacy: From disclosure control to human perception](#). *GeoJournal*. 88(2022). pp.189-208. Springer.
- 2021 **McKenzie, G.**, Mwenda, K. [Identifying regional variation in place visit behavior during a global pandemic](#). *Journal of Spatial Information Science*. 23 (December 2021). pp. 95-124.
- 2021 **McKenzie, G.**, Romm, D.\* [Measuring urban regional similarity through mobility signatures](#). *Computers, Environment and Urban Systems*. 89 (September 2021) 101684. Elsevier.
- 2020 **McKenzie, G.**, Adams, B. [A country comparison of place-based activity response to COVID-19 policies](#). *Journal of Applied Geography*. 125 (December 2020). 102363. Elsevier.
- 2020 Flanagan, A., **McKenzie, G.**, Abeyta, A. [Location in location-less environments: The role of geospatial concordance in online information evaluation](#). *New Media & Society*. Sage Press.

- 2020 **McKenzie, G.** Urban mobility in the sharing economy: A spatiotemporal comparison of shared mobility services. *Computers, Environment and Urban Systems*. 79 (January 2020) 101418. Elsevier.
- 2020 Janowicz, K., Gao, S., **McKenzie, G.**, Hu, Y., Bhaduri, B. GeoAI: spatially explicit artificial intelligence techniques for geographic knowledge discovery and beyond. *International Journal of Geographical Information Science*. 34(4). 625–636. Taylor & Francis.
- 2019 **McKenzie, G.** Spatiotemporal comparative analysis of scooter-share and bike-share usage patterns in Washington, D.C.. *Journal of Transport Geography*. 78. 19-28. Elsevier.
- 2019 Regalia, B., Janowicz, K., **McKenzie, G.** Computing and Querying Topological Relations in Linked Geographic Data. *Transactions in GIS*. 23(3). 601–619. Wiley Press.
- 2019 **McKenzie, G.**, Slind, R., A user-generated data based approach to enhancing location prediction of financial services in sub-Saharan Africa. *Journal of Applied Geography*. 105. 25-36. Elsevier.
- 2018 **McKenzie, G.**, Liu, Z.\*, Hu, Y., Lee, M.\* Identifying urban neighborhood names through user-contributed online property listings. *ISPRS International Journal of Geo-Information*. 7(10) 388. MDPI.
- 2018 Fu, C.\*, **McKenzie, G.**, Frias-Martinez, V., Stewart, K. Identifying spatiotemporal urban activities through linguistic signatures. *Computers, Environment and Urban Systems*. 72(1) 25–37. Elsevier.
- 2018 **McKenzie, G.**, Adams, B. A data-driven approach to exploring similarities of tourist attractions through online reviews. *Journal of Location Based Services*. 12(2) 94–118. Taylor & Francis.
- 2018 Hu, Y., Mao, H., **McKenzie, G.** A Natural Language Processing and Geospatial Clustering Framework for Harvesting Local Place Names from Geotagged Housing Advertisements. *International Journal of Geographical Information Science*. 33(4) 714–738. Taylor & Francis.
- 2018 Adams, B., **McKenzie, G.** Crowdsourcing the Character of a Place: Character-Level Convolutional Networks for Multilingual Geographic Text Classification. *Transactions in GIS*. 22(2) 394–408. Wiley Press.
- 2017 **McKenzie, G.**, Janowicz, K. ISED: Constructing a high-resolution elevation road dataset from massive, low-quality in-situ observations derived from geosocial fitness tracking data. *PLoS ONE* 12(10): e0186474
- 2017 Keßler, C., **McKenzie, G.** A Geoprivacy Manifesto. *Transactions in GIS*. 22(1) 3–19. Wiley Press.
- 2017 Gao, S., Janowicz, K., Montello, D., Hu, Y., Yang, J., **McKenzie, G.**, Ju, Y., Gong, Li., Adams, B., Yan, B. A Data-Synthesis-Driven Method for Detecting and Extracting Vague Cognitive Regions. *International Journal of Geographical Information Science*. 31(6) 1245–1271 Taylor & Francis.
- 2016 **McKenzie, G.**, Hegarty, M., Barrett, T., Goodchild, M. Assessing the Effectiveness of Different Visualizations for Judgments of Positional Uncertainty. *International Journal of Geographical Information Science*. 30(2) 221–239. Taylor & Francis.
- 2016 Regalia, B., **McKenzie, G.**, Gao, S., Janowicz, K. Crowdsensing Smart Ambient Environments and Services. *Transactions in GIS*. 20(3) 382–298. Wiley Press.
- 2016 Zhu, R., Hu, Y., Janowicz, K., **McKenzie, G.** Spatial Signatures for Geographic Feature Types: Examining Gazetteer Ontologies using Spatial Statistics. *Transactions in GIS*. 20(3) 333–355. Wiley Press.

- 2016 **McKenzie, G.**, Klippel, A., [The Interaction of Landmarks and Map Alignment in You-Are-Here Maps](#). *The Cartographic Journal*. 53(1) 43-54. Maney Press.
- 2015 **McKenzie, G.**, Janowicz, K., Gao, S., Gong, L. [How Where Is When? On the Regional Variability and Resolution of Geosocial Temporal Signatures for Points Of Interest](#). *Computers, Environment and Urban Systems (Special issue on New insights gained from location-based social media data)*. 54(1). 336–346. Elsevier.
- 2015 **McKenzie, G.**, Janowicz, K. [Where is also about time: A location-distortion model to improve reverse geocoding using behavior-driven temporal signatures](#). *Computers, Environment and Urban Systems*. 54(1). 1–13. Elsevier.
- 2015 **McKenzie, G.**, Janowicz, K., Gao, S., Yang, J., Hu, Y. [POI Pulse: A Multi-Granular, Semantic Signatures-Based Information Observatory for the Interactive Visualization of Big Geosocial Data](#). *Cartographica: The International Journal for Geographic Information and Geovisualization*. 50(2) 71–85. University of Toronto Press.
- 2014 **McKenzie, G.**, Janowicz, K., Adams, B. [A Weighted Multi-Attribute Method for Matching User-Generated Points of Interest](#). *Cartography and Geographic Information Science*. 41(2) 125–137. Taylor & Francis.

### Papers in Refereed Conference Proceedings

- 2025 Qiang, D.\*, **McKenzie, G.** (Accepted) [Mobility Vitality: Measuring urban vitality through active and micro-mobility modes](#). *Proceedings of the 28th Association of Geographic Information Laboratories in Europe Conference (AGILE 2025)*. AGILE GIScience Ser. 5. (June 10-13; Dresden, Germany)
- 2023 Brunila, M.\*, LaViolette, J., CH-Wang, S., Verma, P\*, Féré, C.\*, **McKenzie, G.** [Toward a Critical Toponymy Framework for Named Entity Recognition: A Case Study of Airbnb in New York City](#). *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. ACL SIGDAT (December 6-10; Singapore) **Outstanding Paper Award**
- 2023 **McKenzie, G.**, Zhang, H.\* [Platial k-anonymity: Improving location anonymity through temporal popularity signatures](#). *Proceedings of the 12th International Conference on Geographic Information Science (GIScience '23)*. Schloss Dagstuhl-Leibniz-Zentrum für Informatik. (September 13-15; Leeds, United Kingdom) **Best Full Paper Award**
- 2022 Janowicz, K., Zui, R., Verstegen, J., **McKenzie, G.**, Martins, B., Cai, L. [Six GIScience Ideas That Must Die](#). *Proceedings of the 25th Conference of the Association of Geographic Information Laboratories in Europe (AGILE GIScience Series)*. 3. 7.
- 2020 **McKenzie, G.**, Janowicz, K., Keßler, C. [Uncovering spatiotemporal biases in place-based social sensing](#). *Proceedings of the 23rd Conference of the Association of Geographic Information Laboratories in Europe (AGILE GIScience Series)*. 1. 14.
- 2017 Janowicz, K., **McKenzie, G.** [How “Alternative” are Alternative Facts? Measuring Statement Coherence via Spatial Analysis](#). *Vision Paper in the Proceedings of the 25th International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL 2017)*. (November 7-10, Redondo Beach, CA, USA)
- 2017 **McKenzie, G.**, Adams, B. [Juxtaposing thematic regions derived from spatial and platial user-generated content](#). *Proceedings of the 13th International Conference on Spatial Information The-*

ory (COSIT '17). (September 4-8, L'Aquila, Italy)

- 2017 **McKenzie, G.**, Janowicz, K. [The Effect of Regional Variation and Resolution on Geosocial Thematic Signatures for Points of Interest](#). *Proceedings of the 2017 AGILE Conference* (May 9-12, Wageningen, Netherlands)
- 2016 Ju, Y., Adams, B., Janowicz, K., Hu, Y., Yan, B., **McKenzie, G.** [Things and Strings: Improving Place Name Disambiguation from Short Texts by Combining Entity Co-Occurrence with Topic Modeling](#). *The 20th International Conference on Knowledge Engineering and Knowledge Management* (November 19-23, Bologna, Italy)
- 2016 Janowicz, K. , Hu, Y., **McKenzie, G.**, Gao, S., Regalia, B., Mai, G., Zhu, R., Adams, B., and Taylor, K. [Moon Landing or Safari? A Study of Systematic Errors and their Causes in Geographic Linked Data](#). *The 9th International Conference on Geographic Information Science (GIScience '16)* (September 27-30, Montreal, Canada)
- 2016 **McKenzie, G.**, Janowicz, K., Seidl, D. [Geo-privacy beyond coordinates](#). In *Proceedings of the 18th AGILE Conference on Geographic Information Science (AGILE '16)* (June 14-17, Helsinki, Finland)
- 2015 Adams, B., **McKenzie, G.**, Gahegan, M. [Frankenplace: Interactive thematic mapping for ad hoc exploratory search](#). *Proceedings of the 24th International World Wide Web Conference (WWW 2015)*. 12–22. (May 18-22, Florence, Italy)
- 2014 Savage, S. Forbes, A., Toxtli, C., **McKenzie, G.**, Desai, S. M., Hollerer, T. [Visual Analysis of Targeted Audiences](#). *The 11th International Conference on the Design of Cooperative Systems* (May 27-30, Nice, France)
- 2013 Gau, S., Hu, Y., Janowicz, K., **McKenzie, G.** [A Spatiotemporal Scientometrics Framework for Exploring the Citation Impact of Publications and Scientists](#). *Proceedings of The 21st International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL '15)*, 204–213 (November 5-8, Orlando, FL)
- 2013 **McKenzie, G.**, Janowicz, K., Adams, B. [Weighted Multi-Attribute Matching of User-Generated Points of Interest](#). *Proceedings of The 21st International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL '15) (Short Paper)*, (November 5-8, Orlando, FL)
- 2013 Hu, Y., Janowicz, K., **McKenzie, G.**, Sengupta, K., Hitzler, P. [A Linked Data-driven Semantically-enabled Journal Portal for Scientometrics](#). *The 12th International Semantic Web Conference (ISWC '13)* 114–129. (October 21-25, Sydney, Australia)
- 2013 **McKenzie, G.**, Adams, B., Janowicz, K. [A Thematic Approach to User Similarity Built on Geosocial Check-ins](#). In *Proceedings of the 16th AGILE Conference on Geographic Information Science (AGILE '13)* 39–54 (May 14-17, Leuven, Belgium)

### Refereed Book Chapters

- 2025 Yuan, Y., Wang, P., **McKenzie, G.**, Sun, M., Xu, Y., Verma, P. (In Press) [Human mobility in a post-pandemic world](#). In: Huang, X., Ye, X., Stewart, K., Das, S. (Eds.), *Urban Human Mobility – Practices, Analytics, and Strategies for Smart Cities*. CRC Press.
- 2023 **McKenzie, G.**, Zhang, H.\*, Gambs, S. [Privacy and Ethics in GeoAI](#). In: Gao, S., Hu, Y., Li, W. (Eds.), *Handbook of Geospatial Artificial*. pp Chapter 19. CRC Press.



- 2021 **McKenzie, G.**, Baez, C. [A Spatiotemporal approach to micromobility](#). In: J. Corcoran and T. Sigler (Eds.), *The Modern Guide the Urban Sharing Economy*. pp 195-208. Edward Elgar Publishing.
- 2021 **McKenzie, G.**, Adams, B. [Natural Language Processing in GIScience Applications](#). In: Wilson, J. (Ed.), *The GIS&T Body of Knowledge*. The University Consortium of Geographic Information Science.
- 2019 Janowicz., K, **McKenzie, G.**, Hu, Y., Zhu, R., and Gao, S. [Using Semantic Signatures for Social Sensing in Urban Environments](#). In: C. Antoniou, L. Dimitriou, F. Pereira (Eds.), *Mobility Patterns, Big Data and Transport Analytics: Tools and Applications for Modeling*. pp 31-54. Elsevier
- 2012 Adams, B., **McKenzie, G.** [Inferring Thematic Places from Spatially Referenced Natural Language Descriptions](#). In: D. Sui, S. Elwood, and M. Goodchild (Eds.), *Crowdsourcing Geographic Knowledge*, pp 201-221. Springer

### Refereed Short Papers

- 2025 Zhang, H., **McKenzie, G.** [Evaluating Spatial Dependency in Regional Similarities of the Population Dynamics Foundation Model](#). *Proceedings of the 28th Annual Meeting of the Association of Geographic Information Laboratories in Europe (AGILE 2025)*. (Dresden, Germany; June 10-13, 2025).
- 2023 Brunila, M.\*, Verma, P\*, **McKenzie, G.** [When Everything Is “Nearby”: How Airbnb Listings in New York City Exaggerate Proximity](#). *Proceedings of the 12th International Conference on Geographic Information Science (GIScience 2023)*. (Leeds, United Kingdom; September 13-15, 2023).
- 2023 Qiang, D.\*, **McKenzie, G.** [Mobility Vitality: Assessing Neighborhood Similarity Through Transportation Patterns In New York City](#). *Proceedings of the 12th International Conference on Geographic Information Science (GIScience 2023)*. (Leeds, United Kingdom; September 13-15, 2023).
- 2023 Shi, M., Currier, K., Liu, Z., Janowicz, K., Wiedemann, J., **McKenzie, G.**, Graser, A., Zhu, R., Mai, G. [Thinking Geographically about AI Sustainability](#). *Proceedings of the 26th AGILE Conference on Geographic Information Science (AGILE '23)*. (Delt, the Netherlands; June 13-16, 2023).
- 2023 **McKenzie, G.** [A comparison of electric and non-electric bike sharing in Montreal, Canada](#). *Proceedings of the 18th International Conference on Computational Urban Planning and Urban Management (CUPUM '23)*. (Montréal, Canada; June 20-22, 2023). Springer.
- 2022 **McKenzie, G.**, Battersby, S., Selter, V. [MixMap: Exploring User-Driven Semantic Similarity of Places](#). *AutoCarto 2022*. (Redlands, CA, USA; November 2-4 2022)
- 2022 Zhang, H.\*, **McKenzie, G.** [Towards place-based privacy: Challenges and opportunities in the "smart" world](#). *EEE International Symposium on Technology and Society (ISTAS) 2022*. (Virtual; November 10-12, 2022)
- 2022 Romm, D.\*, Verma, P\*, Karpinski, E., Sanders, T., **McKenzie, G.** [Differences in First-Mile and Last-Mile Behaviour in Candidate Multi-Modal Boston Bike-share Micromobility Trips](#). *Journal of Transport Geography (Visualizing Transport Geography Short Paper)*. Elsevier.
- 2021 **McKenzie, G.** [Leveraging Place Reviews to Identify the Effects of COVID-19 on Canadian Tourism](#). *Third International Symposium on Platial Information Science (PLATIAL'21)*. (Enschede, the Netherlands; 15–17 December 2021)

- 2021 Romm, D.\*, Zhang, H.\*, Verma, P\*, **McKenzie, G.**, Chen, E.\* [“Data Horror”: Mapping \(Spatial\) Data Privacy Violations onto a Cognitive Account of Horror](#). *The Second Spatial Data Science Symposium (SDSS 2021)*. (Online; 13-14 December 2021)
- 2019 Keßler, C., **McKenzie, G.** [Consistency Across Geosocial Media Platforms](#). *Proceedings of the 15th International Conference on Location Based Services (LBS 2019)*. (November 11, Vienna, Austria)
- 2018 **McKenzie, G.** [Docked vs. Dockless Bike-sharing: Contrasting Spatiotemporal Patterns](#). *Proceedings of the 10th International Conference on Geographic Information Science (GIScience '18)*. (August 28-31, Melbourne, Australia) [Best Short Paper Runner-up]
- 2018 **McKenzie, G.**, Janowicz, K. [OpenPOI: An Open Place of Interest Platform](#). *Proceedings of the 10th International Conference on Geographic Information Science (GIScience '18)*. (August 28-31, Melbourne, Australia)
- 2017 Sinha, G., Arundel, S., Stewart, K., Mark, D., Hahmann, T., Romero, B., Sorokine, A., Usery, L., **McKenzie, G.** [A reference landform ontology for automated delineation of depression landforms from DEMs](#). *Conference on Spatial Information Theory (poster session)*. (September 4-8, L'Aquila, Italy)
- 2017 Lee, M.\*, **McKenzie, G.**, Aghi, R.\* [Exploratory cluster analysis of urban mobility patterns to identify neighborhood boundaries](#). *International Symposium on Location-Based Social Media Data and Tracking Data*. (July 1-2, Washington, D.C.)
- 2017 Hu, Y., Mao, H., **McKenzie, G.** [A NLP and Geospatial Workflow for Harvesting Local Place Names from Geotagged Social Web](#). *International Symposium on Location-Based Social Media Data and Tracking Data*. (July 1-2, Washington, D.C.)
- 2017 Abeyta, A., Flanagan, A., **McKenzie, G.** Exploring the credibility of online information: A proposed framework for understanding experiential credibility. *The 62nd Annual Conference of the International Communication Association (ICA '17)*. (May 25-29, San Diego, CA, USA)
- 2016 **McKenzie, G.**, Baez, C. [Uber vs. Taxis: Event detection and differentiation in New York City](#). *Geographic Information Science (GIScience '16)*. (September 27-30, Montreal, Canada)
- 2015 **McKenzie, G.** [The pretense of residential privacy in geosocial networking data](#). *International Conference on Location-Based Social Media Data*. (March 13-14, Athens, GA)
- 2015 Gong, L., Gao, S., **McKenzie, G.** [POI Type Matching based on Culturally Different Datasets](#). *International Conference on Location-Based Social Media Data*. (March 13-14, Athens, GA)
- 2014 **McKenzie, G.**, Janowicz, K. [Coerced Geographic Information: The not-so-voluntary side of user-generated geo-content](#). *Extended Abstracts of the 8th International Conference on Geographic Information Science (GIScience '14)*, Vienna, Austria.
- 2014 Gao, S., Yang, J-A., Yan, B., Hu, Y., Janowicz, K., **McKenzie, G.** [Detecting Origin-Destination Mobility Flows From Geotagged Tweets in Greater Los Angeles Area](#). *Extended Abstracts of the 8th International Conference on Geographic Information Science (GIScience '14)*, Vienna, Austria.
- 2013 **McKenzie, G.**, Janowicz, K., Hu, Y., Sengupta, K., Hitzler, P. [Linked Scientometrics: Designing Interactive Scientometrics with Linked Data and Semantic Web Reasoning](#). *The 12th International Semantic Web Conference (ISWC '13)* (Demonstration Paper) Sydney, Australia
- 2012 Adams, B. and **McKenzie, G.** [Frankenplace: An Application for Similarity-Based Place Search](#). *The 6th International AAAI Conference on Weblogs and Social Media (ICWSM)* (Demonstration Paper)

(June 4-7, Dublin, Ireland) AAAI Press

- 2012 **McKenzie, G.** and Raubal, M. [Ground-truthing spatial activities through online social networking data](#). *Extended Abstracts of the 7th International Conference on Geographic Information Science (GIScience '12)* Columbus, OH.
- 2012 Hu, Y., Li, W., Janowicz, K., Deutsch, K., **McKenzie, G.**, Goulas, K. [Using spatial-temporal signatures to infer human activities from personal trajectories on location-enabled mobile devices](#). *Extended Abstracts of the 7th International Conference on Geographic Information Science (GIScience '12)*, Columbus, OH.
- 2011 **McKenzie, G.**, Raubal, M. [Adding social constraints to location based services](#). *Extended Abstracts of the 8th Symposium on Location-Based Services*. (November 21-23, Vienna, Austria)

### Papers in Refereed Workshop Proceedings

- 2021 Chen, E.\*, **McKenzie, G.** [Mobility Response to COVID-19-related Restrictions in New York City](#). *The 2nd ACM SIGSPATIAL International Workshop on Spatial Computing for Epidemiology (SpatialEpi 2021)* in conjunction with the *29th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*. (November 2, 2021, Shanghai, China)
- 2019 **McKenzie, G.** [Shared micro-mobility patterns as measures of city similarity](#) *1st ACM SIGSPATIAL International Workshop on Computing with Multifaceted Movement Data (MOVE++ 2019)* in conjunction with the *27th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*. (November 5, 2019, Chicago, IL, USA)
- 2019 Zhu, R., **McKenzie, G.**, Janowicz, K. [Are Streets Indicative of Place Types?](#) *GEOgraphical and CULTural aspects of Geo-data: Issues and Solutions (GeoCultGIS) workshop* in conjunction with the *22nd AGILE Conference on Geo-information Science (AGILE 2019)*. (June 17, 2019, Limassol, Cyprus)
- 2018 Mai, G., Janowicz, K., Hu, Y., Gao, S., Zhu, R., Yan, B., **McKenzie, G.**, Uppal, A., Regalia, B. [Collections of Points of Interest: How to Name Them and Why it Matters](#). *Spatial big data and machine learning in GIScience Workshop* in conjunction with the *10th International Conference on Geographic Information Science (GIScience '18)*. (August 28, Melbourne, Australia)
- 2017 **McKenzie, G.**, Hu, Y. [The "Nearby" Exaggeration in Real Estate](#). *Cognitive Scales of Spatial Information (CoSSI 2017)* in conjunction with the *13th International Conference on Spatial Information Theory (COSIT '17)*. (Sept. 4, 2017, L'Aquila, Italy)
- 2017 Regalia, B., Janowicz, K., Hu, Y., **McKenzie, G.** [Revisiting the Representation of and Need for Raw Geometries on the Linked Data Web](#). *Linked Data on the Web (LDOW 2017)* in conjunction with the *26th International World Wide Web Conference (WWW '17)*. (April 3, 2017, Perth, Australia)
- 2016 Mai, G., Janowicz, K., Hu, Y., **McKenzie, G.** [A Linked Data Driven Visual Interface for the Multi-Perspective Exploration of Data Across Repositories](#). *Visualization and Interaction for Ontologies and Linked Data (VOILA 2016)* in conjunction with the *International Semantic Web Conference 2016*. (October 16, Kobe, Japan)
- 2015 **McKenzie, G.**, Adams, B., Janowicz, K. [Of Oxen and Birds: Is Yik Yak a useful new data source in the geosocial zoo or just another Twitter?](#) *The 8th ACM SIGSPATIAL International Workshop on Location-Based Social Networks (LBSN 2015)* (In conjunction with the *23rd ACM SIGSPATIAL*



- International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL 2015)), (November 3, 2015, Seattle, WA, USA)
- 2015 **McKenzie, G.**, Janowicz, K. [Information Observatories: What Are They Good For?](#) *Proceedings of Workshop on Geographic Information Observatories* (In conjunction with the Twelfth Conference on Spatial Information Theory (COSIT '15)), (October 12, 2015, Santa Fe, New Mexico, USA)
- 2015 Janowicz, K., Kauppinen, T., Schade, S., Ballatore, A., **McKenzie, G.** [Contextual Information: Lenses for Observing the Data Universe.](#) *Proceedings of Workshop on Geographic Information Observatories* (In conjunction with the Twelfth Conference on Spatial Information Theory (COSIT '15)), (October 12, 2015, Santa Fe, New Mexico, USA)
- 2015 Hu, Y., **McKenzie, G.**, Janowicz, K., Gao, S. [Mining Human-Place Interaction Patterns from Location-Based Social Networks to Enrich Place Categorization Systems.](#) *Proceedings of Workshop on Cognitive Engineering for Spatial Information Processes* (In conjunction with the Twelfth Conference on Spatial Information Theory (COSIT '15)), (October 12, 2015, Santa Fe, New Mexico, USA)
- 2014 Janowicz, K., Adams, B., **McKenzie, G.**, Kauppinen, T. [Towards Geographic Information Observatories.](#) *Proceedings of Workshop on Geographic Information Observatories at the Eight International Conference on Geographic Information Science (GIO @ GIScience '14)*, (September 23, Vienna, Austria)
- 2014 Hu, Y., **McKenzie, G.**, Yang, J., Gao, S., Abdalla, A., Janowicz, K. [A Linked-Data-Driven Web Portal for Learning Analytics: Data Enrichment, Interactive Visualization, and Knowledge Discovery.](#) *LAK Data Challenge Workshop at The 4th International Conference on Learning Analytics and Knowledge (LAK 2014)*, (March 24, Indianapolis, IN)
- 2013 Gao, S., Janowicz, K., **McKenzie, G.**, Li, L. [Towards Platial Joins and Buffers in Place-Based GIS.](#) *The First International Workshop on Computational Models of Place (CoMP) at the The 21st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, (November 5-8, Orlando, FL)
- 2013 **McKenzie, G.**, Barrett, T., Hegarty, M., Goodchild, M., Thompson, W. [Assessing the Effectiveness of Visualizations for Accurate Judgements of Geospatial Uncertainty.](#) *Visually-Supported Reasoning with Uncertainty workshop at The 11th International Conference on Spatial Information Theory (COSIT '13)* (September 2, Scarborough, UK)
- 2013 **McKenzie, G.**, Deutsch, K., Raubal, M. [What, When and Where: The real-world activities that contribute to online social networking posts.](#) *Action and Interaction in Volunteered Geographic Information (ACTIVITY) Workshop at The 16th AGILE Conference on Geogrphic Information Science (AGILE '13)* (May 14-17, Leuven, Belgium)
- 2011 **McKenzie, G.** [Gamification and Location-based Services.](#) *Cognitive Engineering for Mobile GIS Workshop at the 15th International Conference on Spatial Information Theory (COSIT '11)* (September 12-16, Belfast, ME)

### Non-refereed Publications & Magazine Articles

- 2020 Guttman, M.\*, **McKenzie, G.** [Comparing and Contrasting Place-Based Activity Patterns Within & Between Montreal & Toronto](#) *McGill Faculty of Arts Summer Undergraduate Research Internship Award Poster Session* (January, Montreal, Quebec)

- 2017 Liu, Z.\*, **McKenzie, G.** Identifying Spatiotemporal Activity Patterns in Beijing Based on Geosocial Microblogs. *Center for Geospatial Information Science Inauguration* (Nov. 1, College Park, MD)
- 2017 Lee, M.\*, Aghi, R.\*, **McKenzie, G.** Toward Identifying Neighborhoods: Activity-based Clustering Analyses. *Human Computer Interaction Symposium* (May 25, College Park, MD)
- 2014 **McKenzie, G.**, Janowicz, K. Activities in a New City: Itinerary Recommendation Based on User Similarity. *Spatial Knowledge and Information (SKI) - Canada* (Feb 7-9, Banff, AB)
- 2013 Barrett, T., **McKenzie, G.**, Hegarty, M., Thompson W., Goodchild, M. Understanding the “Blue Dot” in smartphone displays. *spatial@ucsb.local13 Poster Session*, Santa Barbara, CA.
- 2012 Deutsch, K., **McKenzie, G.**, Hu, Y., Janowicz, J., Li, W., and Goulias, K. Examining the Use of Smartphones and Data Quality in Data Collection for Travel Behavior Research. *Proceedings of the International Association of Travel Behavior Research*, Toronto, ON.
- 2011 **McKenzie, G.** Determining Social Constraints in Time Geography through Online Social Networking. *The 15th International Conference on Spatial Information Theory 2011 (COSIT '11) - Doctoral Colloquium*. (September 12-16, Belfast, ME)
- 2011 Deutsch, K., **McKenzie, G.**, Stevenson, D., Dara-Abrams, D., and Goulias, K. Integrating GPS and Smart Phone Technologies for Behavioral Data Collection. *Eurogeo: The meeting of the Association of European Geographers*. (June 2-4, Athens, Greece)
- 2008 Smith, E., **McKenzie, G.**, Duckham, M. The only game in town. *Position Magazine* 33 pp 51-54

### Competitions & Demonstrations

- 2014 Hu, Y., **McKenzie, G.**, Yang, J., Gao, S., Abdalla, A., Janowicz, K. A Linked-Data-Driven Web Portal for Learning Analytics: Data Enrichment, Interactive Visualization, and Knowledge Discovery. *LAK Data Challenge: Linked Data for the Learning Analytics & Education Data Mining Community*, Indianapolis, IN. - **Awarded Second Prize**
- 2012 Hu, Y., **McKenzie, G.**, Gao, S. Citation Map: Visualization the Spread of Scientific Ideas through Space and Time. *Robert Raskin Mashup Mapping competition at The Association of American Geographers Annual Meeting 2012*, Los Angeles, CA - **Awarded Second Prize**

### Doctoral Dissertation

- 2015 **McKenzie, G.** A Temporal Approach to Defining Place Types based on User-contributed Geosocial data. *University of California, Santa Barbara, USA*.

### Master's Thesis

- 2007 **McKenzie, G.** Exploring the Influence of Landmark Presence and Map Alignment on Wayfinding Performance Using Virtual Environment Modeling. *University of Melbourne, Australia*.

### GRANTS & AWARDS

- 2025 **Québec Ministère des Relations internationales et de la Francophonie** Principal Investigator  
Partnership with Nordic Council of Ministers [Finland & Sweden]

*Data-Driven Mobility: Collaborative Tools for Sustainable Transport in Nordic Nations*

Dates: 2025 – 2027

- 2024 **Mobilizing Justice (SSHRC)** Co-Principal Investigator  
Partnership with Lime micromobility operator  
*Evaluating Lime E-scooter Access*  
Dates: 2024 – 2025
- 2024 **Québec Ministère des Relations internationales et de la Francophonie** Principal Investigator  
Quebec - Luxembourg Partnership Grant  
*Geoprivacy pour la Sante Personnalise*  
Dates: 2024 – 2025
- 2023 **Natural Sciences & Engineering Research Council of Canada** Principal Investigator  
Alliance Catalyst Grant  
*Homomorphic encryption for human mobility analytics*  
Dates: 2023 – 2024
- 2023 **Natural Sciences & Engineering Research Council of Canada** Principal Investigator  
Idea to Innovation Grant  
*PrivyTo: Location Privacy Reimagined*  
Dates: 2023 – 2024
- 2023 **Social Sciences and Humanities Research Council of Canada** Principal Investigator  
Partnership Engage Grant (Partner: Metrolinx - Greater Toronto Regional Transit Authority)  
*Micromobility Design for Commuter Transit Station Area Planning*  
Dates: 2023 – 2024
- 2022 **Réseau Québec Maritime** Co-Investigator  
Le programme de recherche visant l'atténuation des impacts de la navigation commerciale et des activités portuaires sur les écosystèmes (PLAINÉ)  
*Development of a decision support tool for managing the speed of ships on the St. Lawrence*  
Principal Investigator: Cynthia Bluteau (Innovation Maritime Québec)  
Dates: 2022 – 2025
- 2021 **Social Sciences & Humanities Research Council of Canada** Co-Investigator  
Partnership Engage Grant  
*Introducing AI in Community Organizations: Designing and Implementing Smart Meals-on-Wheels Operations*  
Principal Investigator: Juan Camilo Serpa (McGill Desautels Faculty of Management)  
Dates: 2021 – 2022
- 2020 **Canadian Internet Registration Authority** Principal Investigator  
Community Investment Program  
*LocatEd: An educational resource for increasing location privacy awareness*  
Dates: 2020 – 2021
- 2020 **Fonds de Recherche du Québec - Société et Culture** Principal Investigator  
Soutien à la recherche pour la relève professorale  
*Comprendre les répercussions des traces numériques : une méthode fondée sur le lieu en matière de confidentialité de l'emplacement.* (Understanding the implications of our digital footprints: A

place-based approach to location privacy)

Dates: 2020 – 2023

**2020 McGill Sustainability Systems Initiative**

Principal Investigator

Innovation Fund

*Assessing the environmental impact of urban micro-mobility services*

Dates: 2020 – 2021

**2019 Natural Sciences & Engineering Research Council of Canada**

Principal Investigator

Discovery Grant – Including additional ECR Launch Supplement Award

*Platial Science: A multi-dimensional data signatures approach to modeling Place*

Dates: 2019 – 2025

**2019 City of Montréal**

Principal Investigator

Urban Planning Department

*Étude comparative des véhicules de micromobilité partagé et analyse environnementale.* (A comparative study of shared mobility vehicles and environmental analysis)

Date: 2020

**2019 Social Sciences & Humanities Research Council of Canada**

Principal Investigator

Insight Discovery Grant

*Scooter-pocalypse: Assessing the impact of electric scooter-sharing on bike-sharing services*

Dates: 2019 – 2021

**2019 Social Sciences & Humanities Research Council of Canada**

Co-Investigator

Insight Grant

*Cities, Short-term Rentals and the Sharing Economy: Housing Impacts, Social Dynamics, and Policy Options*

Principal Investigator: David Wachsmuth (McGill Urban Planning)

Dates: 2019 – 2022

**2016 Knight Foundation**

Co-Investigator

Knight Prototype Fund: Arts & Technology

*Pteraform thematic search project*

Principal Investigator: Benjamin Adams (University of Canterbury)

Date: 2016

**2015 Bill & Melinda Gates Foundation**

Principal Investigator

Grand Challenge Exploration Award

*A social media data-driven platform for informed data collection*

Dates: 2015 – 2016

## TEACHING & ADVISING

### Courses

\* Indicates course was co-taught

† Indicates course taught at University of Maryland. All other courses taught at McGill University.

**GEOG 333 Introduction to Programming for the Spatial Sciences**

Conceptual modeling and programming course with typical enrolment of 30 students.

Semesters taught: F2024, F2022, F2021, F2020, F2019

- GEOG 314 *Geospatial Analysis*  
Intermediate level GIS course with typical enrolment of 65 students.  
Semesters taught: W2025, W2023, W2022\*
- GEOG 631 *Methods of Geographical Research*  
Full year graduate seminar with typical enrolment of 15 students.  
Semesters taught: 2025\*, 2024\*, 2023\*, 2022\*, 2021\*, 2020\*
- GEOG 306 *Raster GIS*  
Intermediate level GIS course with typical enrolment of 30 students.  
Semesters taught: W2021\*, W2020
- GEOG 201 *Introductory Geo-Information Science*  
Introductory level GIS course with typical enrolment of 140 students.  
Semesters taught: F2020\*, F2018\*
- GEOG 307 *Socio-economic Applications of GIS*  
Intermediate level GIS course with typical enrolment of 30 students.  
Semesters taught: W2019
- GEOG 376 *Introduction to Computer Programming for Geographers*<sup>†</sup>  
Conceptual modeling and programming course with typical enrolment of 50 students.  
Semesters taught: F2018, F2017
- GEOG 170 *Introduction to Methods of Geospatial Intelligence and Analysis*<sup>†</sup>  
Introductory level GIS course with typical enrolment of 80 students.  
Semesters taught: W2017

### **PhD Committee Chair**

- Current Priyanka Verma - Geography, McGill University
- Current Dan Qiang - Geography, McGill University
- Current Daniel Romm - Geography, McGill University
- 2024 Hongyu Zhang - Geography, McGill University
- 2024 Mikael Brunila - Urban Planning/Geography, McGill University [Co-chair]
- 2018 Zheng Liu - Geographical Sciences, University of Maryland

### **Master's Committee Chair**

- Current Mackenzie Johnston - Geography, McGill University
- 2024 Clara Féré - Geography, McGill University
- 2023 Daniel Romm - Geography, McGill University

### **Undergraduate Honours Advisor**

- 2024 Talia Cohen-Fette - Comparison of Digital Twins
- 2022 Maya Shyevitch - Impact of light pollution on animal habitats
- 2021 Emily Chen - Privacy & surveillance during COVID-19



2021 Jonah Levitt - Shared micro-mobility services

2018 Kevin Greco - National Consortium for the Study of Terrorism and Responses to Terrorism (START),  
University of Maryland

### **Undergraduate Independent Research Project / Internship Students**

2025 Simon Savaria - Montreal Elevation project	Independent Research
2025 Jeremi Campagna - Energy Equity in Quebec	Independent Research
2024 Anoushka Oke - Street privacy sensitivity project	Independent Research
2024 Nicholas Foisy - Enhancing regional prediction project	Independent Research
2023 Kevin Nam - PrivyTo Project	Independent Research
2022 Cara Gillingham - Regional variation in fitness activities	Independent Research
2022 Stefan Krysa - Energy poverty in Quebec	Independent Research
2022 Kevin Shi - Impacts of a new rail line in NYC	Independent Research
2022 Elodie Ithier - Context-aware geoprivacy risks	Independent Research
2020 Maria Gorenflo - Emergency calls in Baltimore	Independent Research
2019 Morgan Guttman - City similarity project	Research Internship
2019 Jeremy Steele - Scooter-pocalypse project	Independent Research

## **ACADEMIC SERVICE & PROFESSIONAL ACTIVITIES**

### **Invited Talks**

2024 Urban Exhaust: Navigating power and equity in the three dimensional city. *University of Vienna* (Invited Talk). (Vienna, Austria; June 9).

2024 Place, Privacy, and Mobility: How “Digital Exhaust” is changing Geography. *University of Canterbury* (Invited Talk). (Christchurch, New Zealand; February 10).

2024 Place, Privacy, and Mobility: Navigating the Intersection of Location Science and Human Dynamics. *University of Melbourne* (Invited Talk). (Melbourne, Australia; January 29).

2023 Place, Privacy, and Mobility: Navigating the Intersection of Location Science and Human Dynamics. *University of Helsinki - GeoSPA Speaker Series* (Invited Talk). (Helsinki, Finland; November 8).

2023 Place, Privacy, and Mobility: Navigating the Intersection of Location Science and Human Dynamics. *University of Vienna - Speaker Series* (Invited Talk). (Vienna, Austria; October 2).

2023 Place, Privacy, and Mobility: Navigating the Intersection of Location Science and Human Dynamics. *University of Zurich - Speaker Series* (Invited Talk). (Zurich, Switzerland; September 22).

2023 A Place-based Approach to Geoprivacy. *Luxembourg Institute of Socio-Economic Research* (Invited Talk & Workshop). (Luxembourg; September 19).

2023 Urban mobility in the sharing economy: A spatiotemporal comparison of micromobility services. *University of Toronto Geography and Planning Speaker Series* (Invited Talk). (Virtual; March 17).

- 2023 Designing user-centered location privacy tools. *Esri GIS in Education and Research Conference* (Research presentation). (Toronto, ON; March 1).
- 2023 Overview of the Platial Analysis Lab. *The 8th Spatial Knowledge and Information Conference* (Faculty research synopsis). (Banff, AB; February 18).
- 2022 Location sharing and geoprivacy preservation. *University of Idaho* (Virtual GIS Day invited speaker). (November 16, 2022).
- 2021 Urban Mobility in the Sharing Economy. *Transportation Research Board AMS 50: Economic Development and Land Use Webinar* (Virtual invited seminar). (October 8, 2021).
- 2021 Identifying neighbourhoods through user-contributed rental property listings. *Artificial Intelligence in Municipal Government Community of Practice Meeting* (Virtual invited seminar). (March 24, 2021).
- 2021 Mobility & Place: Using Human Mobility Patterns for Identifying Place Similarity. *University Consortium of Geographic Information Science* (Virtual invited seminar). (March, 2021).
- 2021 GeoAI: spatially explicit artificial intelligence techniques for geographic knowledge discovery and beyond. *International Journal of Geographical Information Science* (Virtual invited seminar). (February, 2021).
- 2020 From Spatial to Platial Data Science. *Royal Geographical Society* (Virtual). (November, 2020).
- 2020 A place-based approach to location privacy. *Oak Ridge National Laboratory* (Virtual). (September, 2020).
- 2020 COVID-19 Mobility Response: Comparing Countries. Sun and Science Lecture Series @McGill University (Virtual). (July, 2020).
- 2020 Dimensions of Place - Linking people through place and vice versa. *McGill's Redpath Museum. Cutting Edge Lecture in Science*. (February 13, 2020), Montreal, Quebec.
- 2020 Geoinformatics: Data Science through a Geographic Lens. *McGill Center for Social and Cultural Data Science. Data Expo*. (January 21, 2020), Montreal, Quebec.
- 2019 From Spatial To Platial Data Science. *Brown University: Spatial Structures in the Social Sciences. Re-imagining Data Visualization Lectureship Series*. (November 2019), Providence, Rhode Island.
- 2019 Towards Platial Data Science. *McGill Computer Science Department. Speaker series*. (November 2019) Montreal, Quebec.
- 2019 Local dimensions: Towards Platial data analytics. *Keynote at the 3rd ACM SIGSPATIAL International Workshop on Analytics for Local Events and News (LENS 2019)*. Chicago, Illinois.
- 2019 Shared Mobility Services: The When and Where of Scooter-sharing and eBike-sharing Services. *Urban Planning Department, City of Montreal*.
- 2019 Scooter-pocalypse: The When, Where, and Why of Scooter-sharing Services. *ThinkSpatial Seminar Series* (Center for Spatial Studies). University of California, Santa Barbara.
- 2019 Platial Dynamics: Activity exploration through digital exhaust. *Social Statistics & Population Dynamics Seminar Series* (Center on Population Dynamics). McGill University.

- 2018 Platial Analytics: Using digital exhaust to explore human activities. *Urban Sustainability and Population Health: Turning Data into Insights* (Canadian Institute of Health Research Meeting). McGill University.
- 2018 NAS Geographical Sciences Committee Meeting (Discussant). *National Academies of Science, Washington, D.C.*
- 2018 Space, Place, and the Fourth Paradigm of Science. *GIS Day Keynote*. McGill University Libraries, Montreal.
- 2018 Big Data Interdisciplinary Dialog Series (Presenter & Panelist) *University of Maryland Libraries*.
- 2017 Geo-privacy beyond coordinates: A place-based signatures approach to geolocation. *RAND Corporation*. Arlington, Virginia.
- 2017 Spatial@UCSB Series *Center for Spatial Studies, University of California, Santa Barbara*.
- 2017 Open Geospatial Technology session (Panelist) at the *Association of American Geographers Meeting*.
- 2017 STEAM Salon Lecture Series, *University of Maryland Libraries*.
- 2017 Computational Linguistics and Information Processing Laboratory Lecture Series in the *Department of Computer Science*, University of Maryland.
- 2016 Human Computer Interaction Lab Lecture Series in the *School of Information Studies*, University of Maryland.
- 2015 Talk & tutorial on the future of GI science and cloud computing at *National Aeronautics and Space Administration (NASA) SERVIR and Development Alternatives Incorporated (DAI)*, Washington DC, USA.
- 2014 Lecture & tutorial on the role of Geographic Information Systems in Aid mapping at the *Bill & Melinda Gates Foundation*, Seattle WA, USA.

### Journal Special Issues

- 2024 Guest Editor. [Special Issue on environmentally and socially sustainable mobility](#). *Computers, Environment and Urban Systems*. Elsevier.
- 2019 Guest Editor. [Special Issue on topics from Spatial Knowledge and Information Canada](#). *Geomatica*.
- 2019 Guest Editor. [Special Issue on Geospatial Privacy and Security](#). *The Journal of Spatial Information Science (JoSIS)*.
- 2018 Guest Editor. [Special Issue on Artificial Intelligence and Deep Learning for Geographic Knowledge Discovery](#). *The International Journal of Geographical Information Science*
- 2016 Guest Editor. [Special Issue on Provenance and Credibility in Spatial and Platial Information](#). *The Journal of Spatial Information Science (JoSIS)* – Vol 13

### Events Organized

- 2024 Organizing Committee. [The 5th Spatial Data Science Symposium](#)  
Montreal/Virtual, October 23-24.

- 2024 General Chair. [The 16th Conference on Spatial Information Theory \(COSIT '24\)](#).  
Québec City, Canada, September 17-20.
- 2023 Workshop Chair. [Equitable Accessibility and Sustainable Mobility Workshop 2023](#) at the 12th International Conference on Geographic Information Science (GIScience '23)  
Leeds, United Kingdom, September 12.
- 2023 Organizing Committee. [The 4th Spatial Data Science Symposium](#)  
Montreal/Virtual, September 5-6.
- 2023 Program Chair. [Spatial Knowledge and Information \(SKI\) - Canada 2023](#)  
Banff, Canada, February 16-19.
- 2022 Organizing Committee. [The 3rd Spatial Data Science Symposium](#)  
Virtual, September 22-23.
- 2021 Organizing Committee. [Cyber Ethics in Platial Research Workshop](#) in conjunction with the [Third International Symposium on Platial Information Science](#)  
Virtual, December 15.
- 2021 Organizing Committee. [The 2nd Spatial Data Science Symposium](#)  
Virtual, December 13-14.
- 2021 Conference Organizing Committee - Workshop Chair. [The 11th International Conference on Geographic Information Science \(GIScience '20\)](#)  
Poznań, Poland (Virtual and delayed one year).
- 2019 Symposium Organizing Committee. [Spatial Data Science Symposium 2019](#)  
Santa Barbara, USA, December 9-11.
- 2019 Program Chair. [Spatial Knowledge and Information \(SKI\) - Canada 2019](#)  
Banff, Canada, February 21-24.
- 2018 Conference Organizing Committee - Workshop Chair. [The 8th International Conference on the Internet of Things \(IoT 2018\)](#)  
Santa Barbara, USA, October 15-18
- 2018 Workshop Chair. [Location Privacy and Security \(LoPaS\) Workshop](#) at the 10th International Conference on Geographic Information Science (GIScience '18)  
Melbourne, Australia, August 28.
- 2017 Workshop Chair. [The First Workshop on GeoAI: AI and Deep Learning for Geographic Knowledge Discovery](#) at the 25th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL '17)  
Redondo Beach, USA, November 7
- 2017 Workshop Chair. Workshop on Geo-Knowledge Graphs (GKG17) 2017 at the 13th International Conference on Spatial Information Theory (COSIT '17)  
L'Aquila, Italy (Canceled)
- 2016 Workshop Chair. [Spatial Data on the Web \(SDW\) 2016](#) at the Ninth International Conference on Geographic Information Science (GIScience '16)  
Montreal, Canada

- 2016 Workshop Chair. [GeoVoCamp DC 2016](#).  
College Park, Maryland
- 2015 Workshop Chair. [GeoPrivacy: 2nd Workshop on Privacy in Geographic Information Collection and Analysis](#) at The 23rd International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL 2015)  
Seattle, Washington.
- 2014 Workshop Chair. [GeoPrivacy: 1st Workshop on Privacy in Geographic Information Collection and Analysis](#) at The 22nd International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL 2014)  
Dallas, Texas.
- 2014 Workshop Chair. [Workshop on Geographic Information Observatories](#) at The 8th International Conference on Geographic Information Science (GIScience 2014)  
Vienna, Austria.

### Press & Outreach

- 2024 Rodriguez, J. [The role of neighborhood names in real estate](#). *Business Insider (online)* [Interview] May 22, 2024
- 2023 MacLellan, A. [Do e-scooters actually reduce traffic congestion in cities?](#). *CBC Daybreak Montreal with Sean Henry (Radio)* [Interview] August 14, 2023
- 2023 Henriquez, G. [Laval introduces shared e-scooters after controversial Montreal experiment](#). *Global News (Print)* [Interview] August 1, 2023
- 2019 Tchir, J. [Do e-scooters actually reduce traffic congestion in cities?](#). *The Globe and Mail (Print)* [Interview] December 4, 2019
- 2019 Tchir, J. [Does Seattle's dockless system offer a glimpse of the future of bike-sharing?](#). *The Globe and Mail (Print)* [Interview] November 6, 2019
- 2019 Daigle, T. [Why an image problem is slowing e-scooter rollout in Canada](#). *CBC National (Print)* [Interview] September 7, 2019.
- 2019 Daigle, T. [News piece on e-scooters across Canada](#). *CBC's The National (TV)* [Interview] September 5, 2019.
- 2019 Ugolini, R. [Are E-Scooters here to stay – or will they roll on once summer's gone?](#). *CBC Radio Noon Montreal* [Interview] August 15, 2019 (12pm).
- 2019 Rozwadowski, K. [Electric scooters hit the streets of Montreal](#). *CityNews Montreal* [Interview] August 13, 2019 (6pm).
- 2019 Grillo, M. [Get ready to glide: E-scooter service launches in Montreal](#). *CTV News Montreal* [Interview] August 12, 2019 (6pm).
- 2019 MacFarlane, J. [Montrealers are trying Uber's new bikeshare program, but it hasn't got the jump on Bixi](#). *CBC News Montreal* August 2, 2019.
- 2019 Wood, N. [Jump's first month in Montreal](#). *CBC News Montreal (TV)* [Analysis referenced] August 1, 2019 (6pm).



- 2019 Rubertucci, A. [Uber's e-bikes not affecting Bixi's business](#) . *CityNews Montreal* [Interview] August 2, 2019 (6pm).
- 2019 Wood, N. [Jump's first month in Montreal](#). *CBC News Montreal (TV)* [Results of analysis] August 1, 2019
- 2019 MacFarlane, J. [In D.C. and Shanghai, hints at Montreal's shared bike and scooter future](#). *CBC News Montreal (Online)* [Interview] July 8, 2019
- 2019 MacLellan, A. [E-scooters make debut in Montreal](#). *CBC Daybreak Montreal* [On Air Interview] July 8, 2019 (7am).
- 2019 van der Heyden, T. [Scooter-share coming to Montreal](#). *CTV News - Afternoon* [On Air Interview] July 5, 2019 (4pm).
- 2019 MacFarlane, J. [How Montreal is preparing for the 'scooter-pocalypse'](#). *CBC News Montreal* July 4, 2019.
- 2013 Tang, V. [Five Maps That Could Help Solve Some of the World's Most Daunting Problems](#). *Wired Magazine* 21(12) pp. 231.

### **Service to University & Discipline**

- 2024-205 Graduate Affairs Committee (Member) - Department of Geography, McGill University
- 2019-2024 Geographic Information Centre Steering Committee (Geography Chair) - McGill University
- 2018-2025 Website Administrator - Department of Geography, McGill University
- 2023 Faculty Hiring Committee (Earth observation faculty search) - McGill University
- 2023 Chair's Advisory Committee - Department of Geography - McGill University
- 2022 Faculty Hiring Committee (Anti-black racism faculty search) - McGill University
- 2018-2021 Graduate Advising Committee (Member) - Department of Geography, McGill University
- 2020 Social Sciences and Humanities Research Council of Canada (SSHRC) Doctoral Awards Committee Member
- 2018-2019 Geographic Information Center Steering Committee Member - McGill University
- 2018 Faculty lecturer promotion review committee - Department of Geographical Sciences, University of Maryland
- 2018 Carmello Distinguished Dissertation Award Committee - College of Behavioral and Social Sciences, University of Maryland
- 2018 Center for Geospatial Information Science Advisory Board - Department of Geographical Sciences, University of Maryland
- 2018 Graduate Program Committee - Department of Geographical Sciences, University of Maryland
- 2017 Undergraduate Program Committee - Department of Geographical Sciences, University of Maryland
- 2017 Department Advisory Committee - Department of Geographical Sciences, University of Maryland

## Editorial Boards & Steering Committees

Editorial Board Member - [Computers, Environment and Urban Systems](#). Elsevier.  
(2022 - current)

Editorial Board Member - [International Journal of Geographical Information Science](#). Taylor & Francis.  
(2023 - current)

Editorial Board Member - [Canadian Geographies / Géographies canadiennes](#). Wiley.  
(2024 - current)

Steering Committee Member - [Conference on Spatial Information Theory](#).  
(2022 - current)

Editorial Board Member - [AIMS Geosciences](#). AIMS Press.  
(2017 - 2023)

Supervisory Faculty Role - PULSE: The McGill Urban Studies Journal (Student-run journal).  
(2021 - current)

Advisory Board Member - [Roam Tech](#). (2016 - 2018)

Reviewed numerous manuscript submissions to journals and conferences ranging from the *International Journal of Geographic Information Science*, *Computers, Environment and Urban Systems*, *WWW Conference* and *ACM SIGSPATIAL*, to name a select few.

Reviewed grant proposals for the *Social Sciences and Humanities Research Council of Canada (SSHRC)*, *the Austrian Science Fund (FWF)*, *UK Economic and Social Research Council (ESRC)*.

## Professional Membership

Association of American Geographers (AAG)

Association for Computing Machinery (ACM)

Association of Canadian Geographers (CAG)

International Cartographic Association (ICA) Commission on Geospatial Analysis and Modeling

## PROFESSIONAL EXPERIENCE (INDUSTRY & AID)

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### Spatial Development International

Seattle, WA

Founding Member & Geospatial Data Scientist

2009-2019

Spatial Development International is a data visualization company supporting sustainable development through spatial technology. Select clients I have worked with are listed below.

- *The American Red Cross - International Services*
- *The World Bank Group*
- *Bill & Melinda Gates Foundation*

**CH2M HILL Engineering Ltd. (now Jacobs Engineering Group Inc.)**  
Geospatial Developer / Systems Architect

*Seattle, WA*  
*2007-2009*

CH2M HILL is an American engineering company that provides consulting, design, construction, and operations services for corporations, and federal, state, and local governments. Select clients I've worked with are listed below.

- *GeoEye Space Imaging (now DigitalGlobe)*
- *Food and Agricultural Organization - HarvestChoice*
- *The International Food Policy Research Institute & International Water Management Institute*



Grant D. McKenzie, Ph.D.  
April 14, 2025