GRANT MCKENZIE

Curriculum Vitae

November 1, 2023

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

grant.mckenzie@mcgill.ca · grantmckenzie.com

APPOINTMENTS

2018 - Present	**McGill University**	*Montréal, Canada*
	Associate Professor (2023 - Present)	
	Assistant Professor (2018-2023)	
	Department of Geography (Focus: Geospatial Data Science	
	Leading the Platial Analysis Lab (https://platial.science)	
2016 - 2018	**University of Maryland**	*College Park, USA*
	Assistant Professor	
	Department of Geographical Sciences	
	Center for Geospatial Information Science	
	Human Computer Interaction Lab (HCIL) affiliate	
2015 (6 mo)	**University of California, Santa Barbara**	*Santa Barbara, USA*
	Postdoctoral Researcher	
	Department of Geography	

EDUCATION

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

VISITING APPOINTMENTS

Feb-Apr 2024	**University of Canterbury** - Visiting Erskine Fellow	*Christchurch, New Zealand*
Jun-Aug 2021	**Tableau Research (Salesforce)** - Visiting Researcher	*Seattle, USA*

PUBLICATIONS   ** Indicates students under my supervision*

Refereed Journal Articles

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 Flanagin, 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

2023 Brunila, M.*, LaViolette, J., CH-Wang, S., Verma, P.*, Féré, C.*, **McKenzie, G**. (Accepted) 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)

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 Theory (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

2023   **McKenzie, G**., Zhang, H.*, Gambs, S. (In Press) 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

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., Flanagin, 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**., Goulias, 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, Shanghi, 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 Rea-*

soning 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 Geogrpahic 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

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 (PLAINE)
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-pocolypse: 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

2018 **University of Maryland**   Co-Investigator
Dean's Research Initiative
The emotional consequences of time use, space, and place
Co-Investigator: Long Doan (University of Maryland)
Date: 2018

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: F2022, F2021, F2020, F2019

GEOG 314 *Geospatial Analysis*
Intermediate level GIS course with typical enrolment of 60 students.
Semesters taught: W2023, W2022*

GEOG 631 *Methods of Geographical Research*
Full year graduate seminar with typical enrolment of 20 students.
Semesters taught: 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*†
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*†
Introductory level GIS course with typical enrolment of 80 students.
Semesters taught: W2017

PhD Committee Chair

Current   Mikael Brunila - Urban Planning/Geography, McGill University [Co-chair]

Current   Hongyu Zhang - Geography, McGill University

Current   Priyanka Verma - Geography, McGill University

Current   Dan Qiang - Geography, McGill University

Current   Daniel Romm - Geography, McGill University

2018   Zheng Liu - Geographical Sciences, University of Maryland

Master's Committee Chair

Current   Clara Féré - Geography, McGill University

2023   Daniel Romm - Geography, McGill University

Undergraduate Honours Advisor

2023   Talia Cohen-Fette - Place in the Metaverse

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

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

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

2023   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   General Chair. The 16th International 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 3nd 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 Ge-
       ographic 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 Con-
       ference 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 23nd International Conference on Advances in Geographic Information Sys-
       tems (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

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

2023   Faculty Hiring Committee (Earth observation faculty search) - McGill University

2023   Chair's Advisory Committee - Department of Geography - McGill University

2019-2023   Geographic Information Center Steering Committee (Geography Chair) - McGill University

2018-2023   Website Administrator - 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)

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

Editorial Board Member - AIMS Geosciences. AIMS Press.
(2017 - current)

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)

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.)   *Seattle, WA*
Geospatial Developer / Systems Architect   *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.
November 1, 2023