

Christopher Trudeau

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[ResearchGate](#) | [Google Scholar](#) | [ORCID](#) | [Website](#)

Education

PhD, Information Studies

McGill University, Montréal, Quebec
Supervisor: Prof. Catherine Guastavino
GPA 3.94

Research areas: soundscapes; environmental justice; noise exposure; environmental attitudes toward noise.

Dissertation focus: Environmental justice of beneficial and detrimental soundscapes from a human health perspective.

Master of Information Studies

McGill University, Montréal, Quebec
GPA: 3.96

Bachelor of Arts, History

Minor in Urban Planning
Université de Montréal, Montréal, Quebec

Grants & awards

MITACS

May 2024 – Apr 2025 (\$28,000)

Title: *Prise en compte du sonore dans les interfaces entre les activités portuaires et les activités résidentielles de Mercier-Hochelaga-Maisonneuve*

School of Information Studies, McGill University (travel award)

April 2023 (\$700)

Conference paper: *Inequity in urban noise exposure* (Urban Sound Symposium, 2023)

MITACS

Sep 2022 – Mar 2023 (\$15,000)

Title: *Integrating sound considerations into the Montreal nightlife policy*

Fonds de Recherche du Québec – Société et Culture (FRQSC)

Ongoing (\$25,000/year) - #307205

Title: *L'injustice sonore : l'inégalité et le bruit environnemental à Montréal*

Fonds de Recherche du Québec – Nature et Technologies (FRQNT)

May 2021 (\$7,000) - #308621

Title: *Mesure des perceptions et attitudes envers le bruit environnemental*

School of Information Studies, McGill University (travel award)

April 2018 (\$1,400)

Conference paper: *Classifying soundscapes using a multifaceted taxonomy* (Euronoise, 2018)

Publications

Journal Articles

Trudeau, C., Bild, E., and Guastavino, C. (2024). Noise regulations and practices: a survey of Quebec municipalities. *Urban Research & Practice*.

Trudeau, C., Tarlao, C., and Guastavino, C. (2023). Montreal soundscapes during the COVID-19 pandemic: a spatial analysis of noise complaints and residents' surveys. *Noise Mapping*, 10, 20220169. <https://doi.org/10.1515/noise-2022-0169>

Trudeau, C., King, N., and Guastavino, C. (2023). Investigating sonic injustice: a review of published research. *Social Science & Medicine*. <https://doi.org/10.1016/j.socscimed.2023.115919>

Laplace, J., Bild, E., **Trudeau, C.**, Perna, M., Dupont, T., and Guastavino, C. (2022). Encadrement du bruit environnemental au Canada. *Canadian Public Policy*, 48(1). <https://doi.org/10.3138/cpp.2021-009>

Perna, M., Padois, T., **Trudeau, C.**, Bild, E., Laplace, J., Dupont, T., and Guastavino, C. (2022). Comparison of road noise policies across Australia, Europe and North America. *International Journal of Environmental Research and Public Health*, 19(173). <https://doi.org/10.3390/ijerph19010173>

Trudeau, C., Steele, D. and Guastavino, C. (2020). [A tale of three misters: the effect of water features on soundscape assessments in a Montréal public space](#), *Frontiers in Psychology*, 11, 3214. DOI: 10.3389/fpsyg.2020.570797

Keynote addresses

Trudeau, C. and Dupont, T. (2023). Les enjeux sonores en milieu urbain : une introduction au bruit environnementale. Application au bruit du REM. *Congrès du RSRQ 2023, Impact de l'environnement AIR et SON sur la santé au Québec*, Montreal, Qc, 8-9 November.

Trudeau, C. and Guastavino, C. (2023). Inequity in urban noise exposure, *Urban Sound Symposium*, Barcelona, Spain, 19-21 April.

Conference Papers

Trudeau, C. and Guastavino, C. (2023). Perception des risques environnementaux à Montréal : premiers résultats sur le bruit et la qualité de l'air. *Congrès du RSRQ 2023, Impact de l'environnement AIR et SON sur la santé au Québec*, Montreal, Qc, 8-9 November.

Trudeau, C. and Guastavino, C. (2021). The environmental injustice of urban sound environments: a comparative analysis, *Proceedings of the International Commission on the Biological Effects of Noise*, Stockholm, Sweden, 14-17 June.

Trudeau, C., Bild, E., Padois, T., Perna, M., Dumoulin, R., Dupont, T. and Guastavino, C. (2020) Municipal noise regulations in Québec, *Proceedings of Forum Acusticum*, Lyon, France, 7-11 December.

Bockstaal A., Steele D., **Trudeau C.**, Guastavino, C. (2019). Forever young: is age of importance in urban soundscape design? Invited paper, *Proceedings of the 26th International Congress on Sound and Vibration (ICSV26)*, Montréal, QC, 7–11 July.

Steele D., Legast, E., **Trudeau C.**, Guastavino, C. (2019). Sounds in the city: Improving the soundscape of a public square through sound art. Invited paper, *Proceedings of the 26th International Congress on Sound and Vibration (ICSV26)*, Montréal, QC, 7–11 July.

Trudeau, C., Steele, D., Dumoulin, R. and Guastavino, C. (2018). Sounds in the city: differences in urban noise management strategies across cities, Invited Paper, *Proceedings of the 47th International Congress and Exposition on Noise Control Engineering*, Chicago, USA, August 26-29 2018.

Trudeau, C. and Guastavino, C. (2018) Classifying soundscapes using a multifaceted taxonomy, Invited Paper, *Proceedings of the 11th European Congress and Exposition on Noise Control Engineering*, Hersonissos, Crete, May 27-31 2018.

Reports for the Quebec government

Laplace, J., Perna, M., Bild, E., **Trudeau, C.**, Padois, T., Hardy, J.-F., Migneron, J.-P., Hubert, F., Brochu, J., Dupont, T. et Guastavino, C. (2020). Recension de documents d'encadrement du bruit environnemental au Québec, au Canada et à l'international – synthèse et recommandations, *Ministère de l'Environnement et la Lutte aux changements climatiques/Ministère de la Santé et des Services sociaux*.

Laplace, J., Bild, E., **Trudeau, C.**, Perna, M., Carle, L., Padois, T., Dupont, T. et Guastavino, C. (2020). Recension ciblée de documents de gestion du bruit environnemental à l'international (Amérique du Nord, Australie et Europe), *Ministère de l'Environnement et la Lutte aux changements climatiques/Ministère de la Santé et des Services sociaux*.

Trudeau, C., Bild, E., Picard, H., Padois, T., Dumoulin, R., Doutres, O., Dupont, T. et Guastavino, C. (2019). Recension systématique des règlements sur le bruit de 74 municipalités au Québec, *Ministère de l'Environnement et la Lutte aux changements climatiques/Ministère de la Santé et des Services sociaux*.

Non-academic outreach

Fantastique Acoustique. (2024).

Y'a pas deux matins pareils, Radio Canada OhDio – November 29, 2023 (<https://ici.radio-canada.ca/ohdio/premiere/emissions/y-a-pas-deux-matins-pareils/episodes/752887/ratrapage-mercredi-29-novembre-2023/13>)

Radio Noon Quebec with Shawn Apel, CBC Radio One – November 23, 2023 (<https://www.cbc.ca/listen/live-radio/1-102-radio-noon-quebec/clip/16025289-how-deal-noise-city>)

Même le Week-end, 98.5fm – July 2, 2023 (<https://www.985fm.ca/audio/566705/quels-sont-les-effets-du-bruit-sur-le-corps-humain>)

Moore in the Morning, NewsTalk 1010 – May 31, 2023 (<https://omny.fm/shows/moore-in-the-morning/moore-in-the-morning-may-31st-hour-3>)

Toronto Star, *Here's why it feels like your neighbourhood is getting louder*, I. Koca (journalist) – May 30, 2023 (https://www.thestar.com/news/canada/here-s-why-it-feels-like-your-neighbourhood-is-getting-louder/article_33c2e495-1251-58a0-b50f-439995123951.html)

Moteur de Recherche, Radio Canada OhDio – May 17 2023 (<https://ici.radio-canada.ca/ohdio/premiere/emissions/moteur-de-recherche/episodes/704917/ratrapage-mercredi-17-mai-2023/5>)

Additional research experience

ListenUpMTL/Assomption-Longue-Pointe

2021-2023

Issues and tensions can arise with the cohabitation of potentially conflicting activities in urban nightlife. This project focuses on two neighbourhoods with different profiles: Quartier des Spectacles has almost year-long festivals that draw large crowds to a neighbourhood with a growing residential population, while Assomption-Longue-Pointe is an established residential neighbourhood with adjacent port and industrial activity.

Valeurs Guides

2018-2022

Regulations are currently the primary mechanism for managing community noise. Funded by the Quebec ministries of health and environment, this project reviewed noise-related regulations at different levels both within Quebec and abroad.

Fleurs de Macadam

2018-2019

Place des Fleurs-de-Macadam is a newly installed pocket park in the Plateau-Mont-Royal borough along Mont-Royal Avenue. This project evaluated the sound outcomes of the four temporary designs during the summers of 2018 and 2019, including the effects of water and sound features.

Les Terrasses Roy

2016-2017

The block of Roy Street between de Bullion and Coloniale was permanently pedestrianized in 2016. This project examined assessments of the sound environment after the pedestrianization was completed and identified areas to consider in future pedestrianization projects.

Teaching

Instructor

INFS 617 (MIST) - Information System Design (Fall 2024)

INFS 657 (MIST) – Database Design & Development (Fall 2023)

INFS 657 (MIST) – Database Design & Development (Fall 2022)

Teaching Assistant

GLIS 617 (MIST) – Information Systems Design (Fall 2023), Daniela Oliveira

GLIS 617 (MIST) – Information Systems Design (Fall 2021), Prof. Catherine Guastavino

GLIS 691 (MIST) – Fundamentals of Computer Programming for Information Professionals (Winter 2021), Prof. Karyn Moffat

GLIS 649 (MIST) – Digital Curation (Winter 2021), Lori Podolsky

GLIS 617 (MIST) – Information Systems Design (Fall 2020), Prof. Catherine Guastavino

LLCU 212 (BA) – Understanding Digital and Social Media (Fall 2017), Prof. Cecily Raynor

Guest Lectures

GLIS 649 (MIST) – Digital Curation (Winter 2021), Lori Podolsky. *Title: Data storage: understanding the “back end”.*

GLIS 611 (MIST) – Research Principles & Analysis (Winter 2021), Prof. Rebekah Willson. *Title: Introduction to descriptive and inferential statistics.*

Service

Conferences

[Urban Sound Symposium](#), Montreal satellite – Spearheaded online platform (Apr. 19-21, 2021)

[Journées du bruit environnemental](#) – Activity setup (Nov. 12-13, 2019)

Reviewed articles

Annals of the American Association of Geographers

Applied Acoustics

Environment International

Environmental Impact Assessment Review

Environmental Science and Pollution Research

Health & Place

Scientific Data
Sustainable Cities and Society

Committees

Board of Directors, CPE McGill – Treasurer (2024-ongoing)
Board of Directors, CPE McGill – Board member (2022-2024)
Curriculum Committee, School of Information Studies – PhD Representative (2020 – 2024)
McGill Information Studies Student Association – Curriculum Committee Representative (2020-2024)

Academic affiliations

Réseau Air, Intersectorialité, Recherche Respiratoire et Sonore (AIRS)

Student member (2023 – ongoing)

Center for Interdisciplinary Research on Montréal (CIRM)

Regular member (2022 – ongoing)

Center for Interdisciplinary Research in Music Media and Technology (CIRMMT)

Student member (2019 – ongoing)

Multimodal Interaction Lab

Doctoral researcher (2019 – ongoing)

Sounds in the City

Student researcher (2017 – ongoing)

Professional experience

Graduate Student Research Assistant (Jan. 2024 – Apr. 2024)

McGill Writing Centre, McGill University, Montréal

- Co-developed writing pedagogy practices for a course for graduate writing fellows

Online Course Assistant (Sept. 2018 – Dec. 2019; Jun. 2022 – Apr. 2023)

Office of the Associate Provost, Teaching and Academic Planning, McGill University, Montréal

- Prepared web content ahead of the launch of the new website for [McGill Online](#).
- Supported course development and administration across multiple online programs.

Data Analyst (Jan. 2020 – Apr. 2022)

Teaching and Learning Services, McGill University, Montréal

- Conceived and implemented a database to track TLS workshops and webinars.

Graduate Student Metadata Assistant (Feb. 2018 – Aug. 2018)

McGill University Library, Montréal

- Evaluated tools and processes to inform the workflow that transforms the text of McGill's student news publications into linked data.
- Extracted named entities and other useful information from text data in various formats.
- Investigated machine learning and heuristic models for article segmentation of the student news publications.

Research Assistant, Prof. Catherine Guastavino (Jan. 2018 – Aug 2019)

McGill University School of Information Studies and the Multimodal Interaction Lab, Montréal

- Collected and analysed questionnaire data on the soundscapes of two urban development projects by the Plateau-Mont-Royal borough.
- Assist with the presentation of the data to Borough officials with the goal of informing better sound-related urban planning decisions.
- Contribute to the hosting of a workshop and soundwalk with city bureaucrats to promote the integration of soundscape considerations in urban planning and noise management initiatives.