

Brittany Pittman

Corner Brook, NL | brittany.pittman@torontomu.ca

Degrees

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|-----------------|---|
| 2020/9 - (2024) | Doctor of Philosophy (PhD) - Mathematical Modelling and Methods
Toronto Metropolitan University
Supervisors: Dr. Anthony Bonato and Dr. Michelle Delcourt |
| 2018/9 - 2020/7 | Master of Science (Mathematics)
Memorial University of Newfoundland
Supervisors: Dr. Danny Dyer and Dr. Jared Howell |
| 2014/9 - 2018/5 | Bachelor's of Science (Computational Mathematics)
Grenfell Campus, Memorial University of Newfoundland |

Employment

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| 2023/9 - 2023/12 | Math 1001: Calculus II and Math 4340: Combinatorial Analysis Instructor
School of Science and the Environment, Grenfell Campus, Memorial University of Newfoundland |
| 2023/9 - 2023/12 | Math 1001: Calculus II Instructor
School of Science and the Environment, Grenfell Campus, Memorial University of Newfoundland |
| 2020/09 - 2023/05 | Teaching Assistant
Department of Mathematics, Toronto Metropolitan University
Fall 2020: MTH 141 (Linear Algebra), MTH 110 (Discrete Mathematics I)
Fall 2021: MTH 110 (Discrete Mathematics I)
Winter 2022: MTH 314 (Discrete Mathematics for Engineers), MTH 607 (Graph Theory)
Fall 2022: MTH 110 (Discrete Mathematics I)
Winter 2023: MTH 607 (Graph Theory), MTH 314 (Discrete Mathematics for Engineers) |
| 2017/9 - 2017/12 | Mathematics Grading Assistant
School of Science and the Environment, Grenfell Campus, Memorial University of Newfoundland |
| 2017/9 - 2017/12 | Statistics Student Tutor
School of Science and the Environment, Grenfell Campus, Memorial University of Newfoundland |
| 2016/6 - 2016/8 | Special Events Planning Assistant
Qalipu First Nation |

Community and Volunteer Activities

2023/11 - Present	Day 2 Planning Co-ordinator Elmastukek Mawio'mi Planning Committee
2017/1 - 2023/10	Director, Youth Representative Mi'Kmaq Cultural Foundation (formerly Qalipu Cultural Foundation) Board of Directors
2021/03	Long Range Mountains Indigenous Delegate Daughters of the Vote
2017/9 - 2018/4	Grenfell Campus Environmental Affairs Committee Memorial University of Newfoundland
2016/9 - 2018/4	Speaker of Indigenous Student Caucus Memorial University of Newfoundland
2014/9 - 2016/8	Indigenous Student Caucus Member Memorial University of Newfoundland

Papers published in refereed journals

1. *The watchman's walk problem on directed graphs* (with D. Dyer and J. Howell), *Australasian Journal of Combinatorics* **80** (2021), 197–216.
2. *The localization capture time of a graph* (with N. Behague, A. Bonato, M. Huggan and T. Marbach), *Theoretical Computer Science* **911** (2022), 80-91.
3. *The Localization Game on Directed Graphs* (with A. Bonato, R. Cushman, and T. Marbach). To appear in *Discrete Applied Mathematics*.

Papers submitted to refereed journals

1. *A note on watchman's walks in de Bruijn graphs* (with D. Dyer and J. Howell).

Organization of Research Events

1. Co-organizer of conference minisymposium *Pursuit-Evasion Games on Graphs* at CanaDAM (Canadian Discrete and Algorithmic Mathematics conference), Winnipeg, 5-8 June 2023.
2. Co-organizer of conference session *Graph Searching* at Canadian Mathematical Society Summer Meeting, St. John's, 3-6 June 2022.

Academic Presentations

1. (2022) The localization capture time of a graph. CMS Winter Meeting, Toronto, ON.

2. (2022) The localization capture time of a graph. CMS Summer Meeting, St. John's, NL.
3. (2021) The localization capture time of a graph. GRASCan.
4. (2019) The watchman's walk problem on directed graphs. East Coast Combinatorics Conference, Halifax, NS
5. (2019) Watching directed graphs. Discrete Math Morning. Memorial University of Newfoundland, St. John's, NL
6. (2019). The watchman's walk problem on directed graphs SumRSS (Summer Research Student Seminar at Grenfell Campus), Corner Brook, NL
7. (2019). The watchman's walk criticality and related topics. Aldrich Conference, Memorial University, St. John's, NL
8. (2018). The watchman's walk problem on graphs. SumRSS (Summer Research Student Seminar at Grenfell Campus), Corner Brook, NL
9. (2018). The watchman's walk criticality and related topics. East Coast Combinatorics Conference, Halifax, NS
10. (2018). Generalized covering designs. SumRSS (Summer Research Student Seminar at Grenfell Campus), Corner Brook, NL
11. (2017). The watchman's walk problem on graphs. Science Atlantic Mathematics, Statistics, and Computer Science Conference, Fredericton, NB

Recognitions

2020/9 - 2023/9	Postgraduate Scholarship - Doctoral (PGS D) Natural Sciences and Engineering Research Council of Canada (NSERC)
2019/9 - 2020/8	Alexander Graham Bell (CGS M) Natural Sciences and Engineering Research Council of Canada (NSERC)
2019/12	Terra-Nova Aboriginal Student Scholarship Memorial University of Newfoundland
2018/9	F.A. Aldrich Graduate Fellowship Memorial University of Newfoundland
2018/5	University Medal for Academic Excellence in Computational Mathematics Memorial University of Newfoundland
2018/5 - 2018/8	Undergraduate Student Research Award Natural Sciences and Engineering Research Council of Canada (NSERC)
2018/3	Calvin White Indigenous Leadership Award Memorial University of Newfoundland
2018/3	W. Gary Rowe, QC Scholarship at Grenfell Campus Memorial University of Newfoundland

2018/3	John A. Snow Prize in Mathematics Memorial University of Newfoundland
2017/9 - 2018/4	Grenfell Campus Vice-President's List Memorial University of Newfoundland
2017/5 - 2017/8	Undergraduate Student Research Award Natural Sciences and Engineering Research Council of Canada (NSERC)
2017/3	W. Gary Rowe, QC Scholarship at Grenfell Campus Memorial University of Newfoundland
2017/3	Chair of Computational Mathematics Award Memorial University of Newfoundland
2016/9 - 2017/4	Grenfell Campus Vice-Presidents List Memorial University of Newfoundland