Dr. Alice Lacaze-Masmonteil

Personal Information

NATIONALITIES:	Canadian and French
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Education

University of Ottawa, Ottawa, ON, Canada Doctorate of Philosophy Supervisor: Mateja Šajna Thesis title: Certain resolvable directed cycle decompositions	2020 -2024
Acadia University, Wolfville, NS, Canada Master's of Science Supervisor: Nancy E. Clarke Thesis title: Some problems on the game of Ambush Cops and Robbers	2017 - 2019
Acadia University, Wolfville, NS, Canada Bachelor of Pure and Applied Sciences with Honours Supervisor: Nancy E. Clarke Thesis title: Cordial labeling of some new and existing classes of graphs	2012 - 2017

Publications

Journal Articles

[1] A. Lacaze-Masmonteil, Completing the solution of the directed Oberwolfach problem with cycles of uniform length, Journal of Combinatorial Designs, **32** (2024), 5-30.

Articles Under Review

[2] D. Horsley and A. Lacaze-Masmonteil, Completing the solution of the directed Oberwolfach problem with two tables, submitted on August 2024.

Presentations

Invited Presentations

Resolution of the directed Oberwolfach problem with cycles of uniform length, 10th Slovenian Conference on Graph Theory: Combinatorial Designs and their Applications Mini Symposium, Kranjska Gora, Slovenia	June 2023

Resolution of the directed Oberwolfach problem with cycles of uniform length, 2023 Canadian Mathematical Society Summer Meeting: Design Theory and Graph Decomposition Session, Ottawa, ON, Canada	June 2023
Resolvable directed cycle decompositions of the complete symmetric digraph, 2022 Canadian Mathematical Society Summer Meeting: Design Theory and Graph Decomposition Session, St. John's, NL, Canada	June 2022

Contributed Presentations

Hamiltonian decompositions of the wreath product of two hamiltonian decomposable directed graphs, Women in Combinatorics Virtual Conference, Online	July 2024
On the directed Oberwolfach problem with two tables, 45th Australasian Combinatorics Conference, Perth, WA, Australia	Dec. 2023
Resolution of the directed Oberwolfach problem with cycles of uniform length, 27th Ontario Combinatorics Workshop, Ottawa, ON, Canada	May 2023
Resolvable directed cycle decompositions of the complete symmetric digraph, 26th Ontario Combinatorics Workshop, Waterloo, ON, Canada	May 2022
The game of Ambush Cops and Robbers played on chordal graphs and outerplanar graphs, 25th Ontario Combinatorics Workshop, Online	May 2021
The game of Ambush Cops and Robbers played on the products of graphs, 2018 Canadian Mathematical Society Winter Meeting: Student Committee Research Session, Vancouver, BC, Canada	Dec. 2018

Seminar Presentations

On the directed Oberwolfach problem, Monash University Discrete Mathematics Seminar, Melbourne, VIC, Australia	Oct. 2023

Fellowships, Scholarships, and Prizes

All monetary values are in Canadian dollars (CAD).

Pacific Institute for the Mathematical Sciences (PIMS) - Centre National de Recherche Scientifique (CNRS) Postdoctoral Fellowship Valued at \$30,000 per year for two years with a supplement from the University of Regina Prof. K. Meagher of \$32,000 per year.	2024 - 2026
University of Ottawa Department of Mathematics and Statistics André Dabrowski Scholarship Valued at \$1,400. Awarded annually to a student who has demonstrated qualities of leadership.	2023
University of Ottawa Department of Mathematics and Statistics Outstanding Student Paper Prize This prize is awarded annually by the Departmental Teaching Personnel Committee to the best paper published by a student.	2023

Peter Rodney Memorial Book Prize   2023
Awarded to the best student talk given at the 27th Ontario Combinatorics Workshop.

Natural Sciences and Engineering Research Council of Canada (NSERC) Michael Smith Foreign Study Supplement   2023
Valued at $6,000. Awarded to fund research visit to Monash University in Melbourne Australia.

NSERC Canada Graduate Scholarship - Doctoral   2021 - 2024
Valued at $35,000 per year. Awarded for a duration of three years.

University of Ottawa Doctoral Admission Scholarship   2020 - 2024
Valued at $9,000 per year. Awarded for a duration of four years.

Catherine Stanley Memorial Scholarship   2018
Valued at $1,000. Awarded to a student that has demonstrated excellence and enthusiasm as a department teaching assistant.

NSERC Canada Graduate Scholarship - Master's   2017 - 2018
Valued at $17,500. Awarded for a duration of one year.

Acadia Undergraduate Mathematics Competition: Best Paper   2016