

Louigi Addario-Berry

CV updated September 9, 2025

✉ Dept. of Math & Stats, McGill University
1005-805 Rue Sherbrooke O.
Montréal, QC, H3A 0B9, Canada

☎ (514) 967 9649
@ louigi@problab.ca
🌐 problab.ca/louigi

PERSONAL

| Born May 28, 1981. Married, two children.

EMPLOYMENT

Full Professor	McGill University	Nov 2021-Present
Associate Professor	McGill University	Jun 2013-Oct 2021
Assistant Professor	McGill University	Jun 2009-May 2013
Professeur Adjoint	Université de Montréal	Aug 2008-May 2009
Marie Curie Fellow	University of Oxford	Sep 2006-Aug 2008

EDUCATION

Doctor of Philosophy	McGill University	Sep 2003-Aug 2006
Master of Science	McGill University	Jan 2002-Aug 2003
Bachelors of Science	McGill University	Sep 1997-Dec 2001

AFFILIATIONS

Associate Member	McGill School of Computer Science	Jan 2010-Present
Member	Centre de Recherches Mathématiques	June 2013-Present
Member	McGill Sustainability Systems Initiative	April 2018-Present
Member	McGill Quantitative Life Science	May 2018-Present

LEADERSHIP

Director	CRM Probability Lab	Sep 2020-August 2023
Deputy Director	Centre de Recherches Mathématiques	Jul 2015-June 2019
Scientific Director	CMS 2015 winter meeting	Dec 2015
Vice President for Québec	Canadian Mathematical Society (CMS)	Jul 2013-Jun 2015

FELLOWSHIPS AND AWARDS

Canada Research Chair	CRC Program	2023-2030
Simons Fellow in Mathematics	Simons Foundation	2021
Fellow of the IMS	Institute of Mathematical Statistics	Elected in 2020
Citation: <i>For fundamental contributions to probability, in particular to the topics of branching structures and random graphs, and for his devoted service to the mathematical sciences and promotion of diversity within them.</i>		
Fellow of the CMS	Canadian Mathematical Society	Elected in 2019
Coxeter-James Prize	Canadian Mathematical Society	2016

VISITING POSITIONS

Visiting Miller Professorship	Berkeley	Winter 2025
Visiting Research Fellowship	Merton College, Oxford	Winter 2024
Professeur Invité	Université Pierre et Marie Curie, Paris	Jan-Feb 2017
Simons Visiting Fellow	Isaac Newton Institute, Cambridge	Mar-Apr 2015
Visiting Scholar	Corpus Christi College, Oxford	Jan-Jun 2015
Visiting Fellow	Magdalen College, Oxford	Oct-Dec 2014
Leverhulme Visiting Professor	Department of Statistics, Oxford	Jul 2014-Jun 2015
Professeur Invité	École Normale Supérieure, Lyon	Feb 2013

EDITORIAL WORK

Associate Editor	Probability Theory and Related Fields	2025-2027
Editor-in-Chief	Canadian Journal of Mathematics	2017-2021
Associate Editor	Canadian Bulletin of Mathematics	2014-2021
Associate Editor	Electronic Journal of Probability	2015-2017
Associate Editor	Electronic Communications in Probability	2015-2017
Associate Editor	Canadian Journal of Mathematics	2014-2016
PC Member	AnalCo 2015	2015
PC Member	RANDOM 2014	2014

SELECTED ORGANIZATIONAL WORK

MSRI Semester: Probability and Statistics of Discrete Structures, Organizer	Spring 2025
Committee for Conferences on Stochastic Processes member	2024-2027
MSRI Summer School: Random Graphs	July 4-15, 2022
IMS Committee on Nominations	2022-23
CRM thematic semester: Probability and PDEs, Lead Organizer	Jan-July 2022
Banff International Research Station, Scientific Panel and Program Committee	2020-2024
Banff International Research Station, EDI Committee	2020-2024
Online open probability school, organizing committee	2020-21
One world probability seminar, advisory board member	April 2020-
Seminar on Stochastic Processes, scientific committee long-term member	Ongoing
CIRM Conference: Spectra, Algorithms & Random Walks on Random Networks	Jan 2020
XV CLAPEM invited session: Random processes on networks and their limits	December 2019
ISM Discovery School: Dynamics of Random Processes	June 2019
XIX International Congress on Mathematical Physics, thematic session organizer	July 2018
Montreal summer workshop: challenges in probability and mathematical physics	July 2018
40 th SPA conference, program committee member	June 2018
Oberwolfach workshop on network models	December 2017
Mathematical Congress of the Americas, CRM-IMPA satellite workshop on challenges at the interface of optimization and stochastic processes	July 2017
CRM thematic program on probabilistic methods in geometry, topology and spectral theory	August-December 2016
CRM workshop on random growth models, random walks and random matrices	Sep 2016
PIMS-CRM Summer School in Probability	2015-present
CRM workshop on multiplicative and probabilistic number theory	Dec 2014
XIII CLAPEM, invited session on probability and graphs	Sep 2014
BIRS workshop on probability on trees and planar graphs	Sep 2014
38 th SPA conference, invited session on random graph processes	Jul 2014
MCA session on combinatorics and graph theory	Aug 2013
CRM workshop on random trees	Aug 2013
CRM thematic semester on biodiversity and evolution	Jul-Dec 2013
Oberwolfach workshop on extremes in branching random walk	Apr 2013
CMS winter meeting, session on probability and mathematical physics	Dec 2012

SMS graduate summer school	Jun-Jul 2012
BIRS workshop on branching random walks and searching in trees	Feb 2010
CRM workshop on combinatorics and probability	May 2009
Bellairs workshop on probability and combinatorics	Annual-ish, 2009-2026

TEACHING

Random graphs	Summer 2021
Brownian motion	Winter 2013, Fall 2016
Graduate probability	Several times
Stochastic processes	Several times
Combinatorial stochastic processes	Winter 2010
Discrete structures	Several times
Additive combinatorics	Fall 2008

SUPERVISION AND TRAINING

Postdoctoral

Robin Khanfir, November 2023-April 2026.
Hannah Cairns, June 2023-May 2024.
Serte Donderwinkel, September 2022-January 2024.
Baptiste Louf, September 2022-February 2023.
Erin Beckman, September 2019-August 2022.
Abbas Mehrabian, September 2017-August 2020.
Sanchayan Sen, September 2016-August 2018.
Janosch Ortmann, August 2015-July 2017.
Guillem Perarnau, October 2013-August 2015.
David Belius, September 2013-August 2014.
Yu-Ting Chen, August 2013-August 2014.
Matthew Roberts, September 2011-September 2012.
Ross Kang, September 2008-January 2010.
Simon Griffiths, September 2008-August 2010.

Doctoral

Maria Esipova, Sep 2025-Aug 2029 (est.)
Gabriel Crudele, Sep 2025-Aug 2029 (est.)
Burhan Hammadia, Sep 2024-Aug 2028 (est.)
Caelan Atamanchuk, Sep 2024-Aug 2028 (est.)
Dao Chen Yuan, Sep 2024-Aug 2028 (est.)
Maxwell Kaye, Sep 2023-Aug 2027 (est.)
Arturo Arellano, Sep 2021-July 2026 (est.)
Jordan Barrett, Sep 2018-Nov 2022.
Benoit Corsini, Sep 2017-June 2022.
Yuting Wen, Aug 2012-Feb 2016.
Laura Eslava, Jan 2013-April 2017.
Tao Lei, Sep 2012-Feb 2018.

Masters

Catherine Fontaine, Sep 2025-Aug 2027 (est.)
Sasha Bell, May 2024-April 2026 (est.)
Tasmin Chu, May 2024-Aug 2025.
Gabriel Crudele, Sep 2023-Aug 2025.
Rivka Mitchell, Jan 2020-April 2021.
Elaine Herrera, Sep 2019-June 2021.
Céline Kerriou, Sep 2019-May 2021.
Wen Zhang, Sep 2018-March 2021.
Thomas Tendron, Jan 2019- August 2020.
Alex Brandts, Sep 2016-April 2018.
Nicholas Leavitt, Sep 2014-Aug 2015.
Omar Khalil, Sep 2011-Apr 2013, Jan 2014-Aug 2014.
Laura Eslava, Jan 2011-Jan 2013.
Tao Lei, Sep 2010-Aug 2012.

Research interns and undergraduate trainees

2025. *Cathrine Fontaine*
 2024. *Théodore Conrad, Catherine Fontaine, Louis-Roy Langevin, Neeladri Maitra, Arthur Maritch-Roy, Simone Têtu*
 2023. *Chloé Boisson, Tasmin Chu, Meron Seyoum, Agnes Totschnig*
 2022. *Jana Kurrek*
 2021. *Anna Brandenberger, Serte Donderwinkel, Jad Hamdan, Vasiliki Velona*
 2020. *Yuanchu Li, Joffrey Mathien, Paul Thevenin, Vasiliki Velona, Zoé Wefers*. (All cancelled due to Covid-19.)
 2019. *Orphée Collin, Mathieu Even, Poorva Garg, Shimin Fu*
 2018. *Hannah Cairns, Héloïse Constantin, Elias Hess-Childs, Celine Kerriou, Rivka Mitchell, Robin Vacus*.
 2017. *Fengdi Che*
 2016. *Apolline Bard, Alexandre Brandts-Longtin, Paul Thevenin*
 2014-15. *Lyuba Bozhilova, Yutian Wang*.
 2013. *Nicholas Leavitt*.
 2011. *Jean-Philippe Fortin, Samantha Rudinski*.
 2010. *Maria Eberg, Sisi Chen*.
 2009. *Jean-François Cyr*.

PEER-REVIEWED INDIVIDUAL FUNDING

Canada Research Chair	June 2023-May 2030
NSERC Discovery Grant	Apr 2023-Mar 2027
Simons Fellowship	July 2021-June 2022
NSERC Discovery Grant	Apr 2017-Mar 2023
NSERC Discovery Accelerator Supplement	Apr 2017-Mar 2020
FRQNT team research grant (33%)	May 2017-Apr 2020
FQRNT/CFQCU strategic partnership programme	Apr 2016-Mar 2018
NSERC discovery grant	Apr 2012-Mar 2017
INRIA équipe associée	May 2013-Apr 2016
Royal Society collaboration grant (50%)	Aug 2012-Feb 2015
FRQNT young researchers grant	Apr 2012-Mar 2014
FRQNT team research grant	Apr 2010-Mar 2013
NSERC discovery grant	Apr 2007-Mar 2012
Royal Society collaboration grant	May 2007-May 2009
Marie Curie Intra-European Fellowship	Oct 2006-Aug 2008

INVITED LECTURES SINCE 2011

Note: (T) indicates an invited lecture, (P) indicates a plenary lecture, (L) indicates an invited lecture series or mini-course

2025

- (T) Los Angeles Probability Forum, May 2025
- (T) Miller Institute, March 2025
- (T) Berkeley Mathematics Colloquium, February 2025

2024

- (P) Science Atlantic, Acadia University, October 2024
- (T) Frontiers of Statistical Mechanics and Theoretical CS Workshop, BIRS, August 2024
- (T) University of Bath Probability seminar, February 2024
- (T) University College Dublin Mathematics Seminar, February 2024
- (T) Journées Cartes conference, *Pisa à la carte*, January 2024
- (T) Oxford Probability Seminar, January 2024
- (T) Oxford Combinatorics Seminar, January 2024

2023

- (P) XVI Latin American Congress of Probability and Mathematical Statistics (CLAPEM), São Paulo, July 2023.
- (P) Schramm Lecture. 43rd Conference on Stochastic Processes and their Applications, Lisbon, July 2023. Postponed from 2022 due to COVID.

2022

- (L) MSRI Summer school on random graphs, Berkeley, July 2022

2021

- (T) PIMS-University of Victoria Distinguished Lecture, October 2021
- (T) University of Victoria Probability and Dynamics Seminar, October 2021
- (T) Permutations and Probability Workshop, BIRS, Banff, September 2021
- (L) CRM-PIMS probability summer school, principal lecturer, online, June 2021
- (T) Waterloo probability seminar, online, March 2021
- (T) Northwestern/Minnesota joint probability seminar, online, February 2021
- (T) Opening workshop, SAMSI Combinatorial Probability thematic semester, online, January 2021.

2020

- (T) One World Probability Seminar, online, May 2020.
- (T) Oxford Probability and Discrete Mathematics Seminar, online, April 2020.
- (T) Sixth Bath-Beijing-Paris Branching Structures meeting, Bath, April 2020. Cancelled.
- (L) Random geometry and quantum gravity research school, Luminy, April 2020. Cancelled.
- (T) UBC Informal Probability Seminar, March 2020.
- (T) Harvard Probability and Random Matrix Theory seminar, February 2020.

2019

- (T) XV CLAPEM 2019, Merida, December 2019
- (T) Random Walks, Random Graphs and Random Media, Munich, September 2019
- (P) Mathematical Society of Japan, Seasonal Institute, Fukuoka, August 2019
- (L) Summer school on random walks and complex networks, Nice, July 2019
- (T) Analysis of Algorithms 2019, Luminy, June 2019
- (T) First Armenian Conference on Probability, Combinatorics, and their application to Machine Learning, Dzoraget, June 2019

2018

- (T) Workshop on branching-type structures, Zurich, September 2018
- (T) IMS Annual Meeting on Probability and Statistics, Vilnius, July 2018
- (P) Analysis of Algorithms 2018, Uppsala, June 2018
- (T) Rhine-Mainz Stochastics Colloquium, Frankfurt, June 2018

(P) XXIe Colloque panquébécois des étudiants de l'ISM, May 2018

2017

- (T) Conference on Dynamics on Random Graphs and Random Maps, CIRM, Marseille, October 2017
- (L) Summer School on Random Graphs and Probabilistic Methods, Fields Institute, June 2017
- (T) Workshop on Stochastic Analysis, Oberwolfach, May 2017
- (T) Brown University Probability Seminar, April 2017
- (T) Colloque des Sciences Mathématiques du Québec, March 2017
- (P) Journées de combinatoire de Bordeaux, January 2017
- (T) Conference on large 2D random structures, IHP, Paris, January 2017.

2016

- (P) Canadian Mathematical Society winter meeting, Niagra Falls, December 2016.
- (T) Probabilistic Methods in Topology Workshop, CRM, November 2016
- (T) Random Geometric Graphs and Their Applications to Complex Networks, BIRS, Banff, November 2016
- (T) Duke Probability Seminar, November 2016
- (T) University of Pennsylvania Probability Seminar, October 2016
- (T) 9th World Congress in Probability and Statistics, Toronto, July 2016
- (L) Finger Lakes Probability Seminar, Cornell, April 2016
- (P) 36th Annual Seminar on Stochastic Processes, Maryland, March 2016
- (T) Harvard Probability Seminar, Jan 2016
- (T) Joint Mathematics Meetings, AMS Special session, Seattle, Jan 2016

2015

- (T) Duke Probability Seminar, November 2015
- (T) Toronto Probability Seminar, November 2015
- (T) XXVI Analysis of Algorithms conference, Ströbl, June 2015
- (T) Combinatorial Probability conference, Uppsala, June 2015
- (P) XVI One-day meeting in Combinatorics, Oxford, May 2015
- (T) Utrecht Mathematics Seminar, May 2015
- (T) Informal Probability Workshop, Oxford, May 2015
- (T) Workshop on Random Planar Structures, Newton Institute, Cambridge, April 2015
- (T) Queen Mary Probability Seminar, March 2015
- (T) Zurich/ETH Probability Seminar, February 2015
- (T) Bath Probability Seminar, February 2015
- (T) Warwick Probability Seminar, January 2015

2014

- (T) CMS Winter Meeting, Hamilton, December 2014
- (T) XIII Northeast Probability Seminar, CUNY Stonybrook, November 2014
- (T) Workshop on Probability, Trees and Algorithms, Oberwolfach, November 2014
- (T) Combinatorics Seminar, Warwick, October 2014
- (T) Informal Probability Workshop, Oxford, October 2014
- (T) Recent models in Random Media, BIRS, Banff, September 2014
- (T) IMS-ASC Conference, Sydney, July 2014
- (T) Combinatorics Seminar, Oxford, June 2014
- (L) Conference on random walks and random media, CIRM, Marseille, June 2014.
- (T) Statistical Society of Canada Annual Conference, University of Toronto, May 2014
- (T) IV Southeast Probability Seminar, Duke University, May 2014

2013

- (L) XI Symposium of Probability and Stochastic Processes, CIMAT, Guanajuato, Nov 2013.
- (T) University of Chicago Probability Seminar, July 2013

- (T) Universités Paris VI& VII Probability Seminar, Feb 2013
- (T) École normale supérieure de Lyon Probability Seminar, Feb 2013
- (T) Two-dimensional Statistical Mechanics, Diablerets, Feb 2013.

2012

- (T) Workshop on Scaling Limits in Models of Statistical Mechanics, Oberwolfach, Sep 2012.
- (T) 8'th World Congress in Probability and Statistics, Istanbul, July 2012
- (P) XIV one-day meeting in Combinatorics, Oxford, UK, May 2012
- (T) Combinatorics Seminar, École Polytechnique, Paris, France, May 2012
- (T) Université de Laval Probability Seminar, Québec, February 2012
- (T) New Zealand Probability Workshop, Auckland, January 2012

2011

- (T) Canadian Mathematical Society winter meeting, Toronto, December 2011
- (T) University of Bath Probability Seminar, Bath, November 2011
- (T) IMPA probability seminar, Rio De Janeiro, October 2011
- (P) 35'th Conference on stochastic processes and their applications, Oaxaca, June 2011
- (T) 3'rd Canadian Discrete and Algorithmic Mathematics Conference, Victoria BC, June 2011
- (T) Workshop on Random Trees, Information and Algorithms, Oberwolfach, April 2011
- (P) British workshop on discrete structures and dynamics, Oxford, April 2011

PUBLICATION LIST

NB Almost all my recent papers are available from my arXiv author page.

Refereed contributions

Articles, published or accepted

1. Addario-Berry L., Brandenberger, A., Briend, S., Broutin, N., Lugosi, G., (2025+) Leaf stripping on uniform attachment trees. *Random Structures and Algorithms*, to appear.
2. Addario-Berry, L., Donderwinkel, S., Kortchemski, I. (2025+) Critical trees are neither too short nor too fat. *Annales Henri Lebesgue*, to appear.
3. Addario-Berry, L., Donderwinkel, S. (2024) Random trees have height $O(\sqrt{n})$. *Annals of Probability* 52(6):2238-2280.
4. Addario-Berry, L., Beckman, E., Lin, J. (2024) Symmetric cooperative motion in one dimension. *Probability Theory and Related Fields*, 188:625-666.
5. Addario-Berry, L., Barrett, J., (2023) Multi-source invasion percolation on the complete graph. *Annals of Probability*, 51(6), 2131-2157
6. Addario-Berry, L., Blanc-Renaudie, A., Donderwinkel, S., Maazoun, M., Martin, J.B. (2023). The Foata–Fuchs proof of Cayley’s formula, and its probabilistic uses. *Electronic Communications in Probability*, 27, no. 17, pages 1-13.
7. Addario-Berry, L., Brandenberger, A., Hamdan, J., Kerriou, C. (2022) Universal height and width bounds for random trees. *Electronic Journal of Probability*, 27, no. 118, pages 1-24.
8. Addario-Berry, L., Lin, J. and Tendron, T. (2022) Barycentric Brownian Bees. *Annals of Applied Probability*, 32:2504-2539.
9. Addario-Berry, L., Devroye, L., Lugosi, G. and Velona, V. (2022) Broadcasting on random recursive trees. *Annals of Applied Probability*, 32:497-528.
10. Addario-Berry, L., Beckman, E., Lin, J. (2022) Asymmetric cooperative motion in one dimension. *Transactions of the AMS*, 375:2883-2913.
11. Addario-Berry, L. and Barrett, J. (2021) Random tree-weighted graphs. *Stochastic Analysis, Random Fields and Integrable Probability, Adv. Studies in Pure Math., MSJ* 87:1-59.
12. Addario-Berry, L. and Corsini, B. (2021) The height of Mallows trees. *Annals of Probability*, 49(5), 2220-2271.
13. Addario-Berry, L. and Albenque, M. (2021) Convergence of odd-angulations via symmetrization of labeled trees. *Annales Henri Lebesgue*, 4, 653-683
14. Addario-Berry, L. and Sen, S. (2021) Geometry of the minimal spanning tree of a random 3-regular graph. *Probability Theory and Related Fields*, 180(3), 553-620.
15. Addario-Berry, L., Bhamidi, S. and Sen, S. (2021) A probabilistic approach to the leader problem in random graphs. *Random Structures and Algorithms*, 58:34-67.
16. Addario-Berry L., Balle, B. and Perarnau, G. (2020) Diameter and stationary distribution of random r-out digraphs. *Electronic Journal of Combinatorics*, 27:P3.28.
17. Addario-Berry, L., Cairns, H., Devroye, L., Kerriou, C. and Mitchell, R. (2020) Hipster random walks. *Probability Theory and Related Fields*, 178:437-473.
18. Addario-Berry, L. and Maillard, P. (2019) The algorithmic hardness threshold for continuous random energy models. *Mathematical Statistics and Learning*, 2:77-101.
19. Addario-Berry L. (2019) A probabilistic approach to core size in random maps. *ALEA - Latin American Journal of Mathematics and Statistics*, 16:1-13.
20. Addario-Berry, L., Berestycki, J. and Penington, S. (2019) Branching Brownian motion with decay of mass and the non-local Fisher-KPP equation. *Communications on Pure and Applied Mathematics*, LXXII, 2487-2577.

21. Addario-Berry, L., Devroye, L., Lugosi, G. and Oliveira, R.I. (2019) Local optima of the Sherrington-Kirkpatrick Hamiltonian. *Journal of Mathematical Physics*, 60, 043301.
22. Addario-Berry, L., Dieuleveut, D. and Goldschmidt, C. (2019) Inverting the cut-tree transform. *Annales de l'Institut Henri Poincaré*, 55:1349-1376.
23. Addario-Berry, L. (2019), Most trees are short and fat. *Probability Theory and Related Fields*, 173:1-26.
24. Addario-Berry, L. and Roberts, M. (2018), Mixing time bounds via bottleneck sequences. *Journal of Statistical Physics*, 173:845-871.
25. Addario-Berry, L. and Eslava, L. (2018) High degrees of random recursive trees. *Random Structures and Algorithms*, 52:560-575.
26. Addario-Berry, L. and Wen, Y. (2017) Joint convergence of random quadrangulations and their cores. *Annales de l'Institut Henri Poincaré, Probability and Statistics*, 53:1890-1920.
27. Addario-Berry, L. and Penington, S. (2017), The front location in branching Brownian motion with decay of mass. *Annals of Probability*, 45:3752-3794.
28. Addario-Berry, L., Broutin, N., Goldschmidt, C. and Miermont, G. (2017) The scaling limit of the minimum spanning tree of the complete graph. *Annals of Probability*, 45:3075-3144.
29. Addario-Berry, L. and Albenque, M. (2017), The scaling limit of random simple triangulations and random simple quadrangulations. *Annals of Probability*, 45:2767-2825.
30. Addario-Berry, L., Oliveira, R.I., Peres, Y. and Sousi, P. (2016), Random walks colliding before getting trapped. *Electronic Journal of Probability* 21, no. 42, pages 1-19.
31. Addario-Berry, L. and Leavitt, N. (2016), Random infinite squarings of rectangles. *Annales de l'Institut Henri Poincaré, Probability and Statistics* 52:596-611.
32. Addario-Berry L., Bhamidi, S., Bubeck, S., Devroye, L., Lugosi, G. and Oliveira, R.I. (2015), Exceptional rotations of random graphs: a VC theory, *Journal of Machine Learning Research* 16:1893-1922.
33. Addario-Berry, L. (2015), Partition functions of discrete coalescents: from Cayley's formula to Frieze's $\zeta(3)$ limit theorem, in *Proceedings of the XI Symposium on Probability and Stochastic Processes*, ed. R.H. Mena, J.C. Pardo, V. Rivero, G. Uribe Bravo. Birkhauser Progress in Probability 69:1-45.
34. Addario-Berry, L. and Lei, T. (2015), The mixing time of the Newman-Watts Small World, *Advances in Applied Probability* 47:37-56.
35. Addario-Berry, L., Broutin, N. and Holmgren, C. (2014), Cutting down trees with a Markov chainsaw, *Annals of Applied Probability*, 24:2297-2339.
36. Addario-Berry, L. (2014), Growing random 3-connected maps, or "comment s'enfuir de l'hexagone", *Electronic Communications in Probability*, 19:no. 54, 1-12.
37. Addario-Berry, L. and Eslava, L. (2014) Hitting time theorems for random matrices, *Combinatorics, Probability and Computing*, 23:635-669.
38. Addario-Berry, L., Janson, S. and McDiarmid, C. (2014) On the spread of supercritical random graphs, *Combinatorics, Probability and Computing*, 23:477-504.
39. Addario-Berry, L., Havet, F., Linhares Sales, C. and Reed, B., Thomassé, S. (2013) Oriented trees in digraphs, *Discrete Mathematics*, 313:967-974.
40. Addario-Berry, L., Devroye, L. and Janson, S. (2013) Sub-Gaussian tail bounds for the width and height of conditioned Galton–Watson trees, *Annals of Probability*, 41:1072-1087.
41. Addario-Berry, L. and Ford, K. (2013) Poisson–Dirichlet branching random walks, *Annals of Applied Probability*, 21:283-307.
42. Addario-Berry, L., McDiarmid, C. and Reed, B. (2012) Connectivity of addable monotone graph classes, *Combinatorics, Probability and Computing*, 21:803-815.
43. Addario-Berry, L. (2012) Tail bounds for the height and width of a random tree with a given degree sequence, *Random Structures and Algorithms*, 41:253-261.
44. Addario-Berry, L., Griffiths, S. and Kang, R. (2012) Invasion percolation on the Poisson-weighted infinite tree, *Annals of Applied Probability*, 22:931-970.
45. Addario-Berry, L., Broutin, N. and Goldschmidt, C. (2012) The continuum limit of critical random graphs. *Probability Theory and Related Fields*, 152:367-406.

46. Addario-Berry, L. and Broutin, N. (2011) Total progeny in killed branching random walk. *Probability Theory and Related Fields*, 151:265-295.
47. Addario-Berry, L. and Dowden, C. (2011) Subgraphs of 4-regular planar graphs, *Algorithmica*, 61:758-776.
48. Addario-Berry, L., Broutin, N., Devroye, L. and Lugosi, G. (2010) On combinatorial testing problems. *Annals of Statistics*, 38:3063-3092.
49. Addario-Berry, L., Broutin, N. and Goldschmidt, C. (2010) Critical random graphs: limiting constructions and distributional properties. *Electronic Journal of Probability*, 15:741-775
50. Addario-Berry, L., Broutin, N. and Lugosi, G. (2010) Effective resistance of random trees, *Annals of Applied Probability* 19:1092-1107
51. Addario-Berry, L., Kang, R. and Müller, T. (2010) Acyclic dominating partitions, *Journal of Graph Theory*, 64:292–311.
52. Addario-Berry, L., Broutin, N. and Lugosi, G. (2010) The longest minimum-weight path in a complete graph, *Combinatorics, Probability and Computing* 19:1-19.
53. Addario-Berry, L., Esperet, L., Kang, R., McDiarmid, C. and Pinlou, A. (2010) Acyclic t -improper colourings of graphs with bounded maximum degree, *Discrete Mathematics* 310:223-229.
54. Addario-Berry, L., Kennedy, W.S., King, A.D., Li, Z. and Reed, B. (2010) Finding the maximum-weight induced k -partite subgraph of an i -triangulated graph, *Discrete Applied Mathematics* 158:765-770.
55. Addario-Berry, L. and Reed, B. (2009) Minima in branching random walks, *Annals of Probability* 37:1044-1079.
56. Addario-Berry, L., Broutin, N. and Reed, B. (2009) Critical random graphs and the structure of a minimum spanning tree, *Random Structures and Algorithms* 35:271-296.
57. Addario-Berry, L. and Reed, B. (2008) Ballot Theorems, Old and New, *Bolyai Society Mathematical Studies Series* 17:1 9-35.
58. Addario-Berry, L., Chudnovsky, M., Havet, F., Reed, B. and Seymour, P. (2008) Bisimplicial vertices in even-hole-free graphs, *Journal of Combinatorial Theory B* 98:6 1119-1164.
59. Addario-Berry, L., Dalal, K. and Reed, B. (2008) Degree Constrained Subgraphs, *Discrete Applied Mathematics* 156:7 1168-1174.
60. Addario-Berry, L., Dalal, K., McDiarmid, C., Reed, B. and Thomason, A. (2007) Vertex Colouring Edge Weightings, *Combinatorica* 27:1 1-12.
61. Addario-Berry, L., Havet, F. and Thomasse, S. (2007) Paths with two blocks in n -chromatic digraphs, *Journal of Combinatorial Theory B* 97:4 620-626.
62. Addario-Berry, L., Olver, N. and Vetta, A., (2007) A Polynomial Time Algorithm for Finding Nash Equilibria in Planar Win-Lose Games, *Journal of Graph Algorithms and Applications* 11:1 309-319.
63. Addario-Berry, L., Aldred, R.L., Dalal, K. and Reed, B. (2005) Vertex Colouring Edge Partitions, *Journal of Combinatorial Theory B* 94:2 237-244.
64. Addario-Berry, L., Chor, B., Hallett, M., Lagergren, J., Panconesi, A. and Wareham, T. (2004) Ancestral Maximum Likelihood of Evolutionary trees is Hard, *Journal of Bioinformatics and Computational Biology* 2:257-271.

Articles, submitted/available on arXiv

65. Addario-Berry, L., Bell, S., Deka, P., Donderwinkel, S., Maniyar, S., Wang, M., Winter, A., (2025+) Revisiting scaling limits for critical inhomogeneous random graphs with finite third moments
66. Addario-Berry, L., Beltran, P., Stuffer, B., Thevenin, P., (2025+) Scaling limits of multitype Bienaymé trees.
67. Addario-Berry, L., Crudele, G., (2025+) Universal diameter bounds for random graphs with given degrees.
68. Addario-Berry, L., Arellano Arias, A., Lin, J., (2025+) A shape theorem for BBM in a periodic environment.

69. Addario-Berry, L., Donderwinkel, S., Goldschmidt, C., Mitchell, R., (2025+) Discrete snakes with globally centered displacements
70. Addario-Berry, L., Fontaine, C., Khanfir, R., Langevin, L.-R., Têtu, S. (2025+) Optimal root recovery for uniform attachment trees and d-regular growing trees.
71. Addario-Berry, L., Albenque, M., Donderwinkel, S., Khanfir, R., (2025+) Refined Horton–Strahler numbers I: a discrete bijection.
72. Addario-Berry, L., Briend, S., Devroye, L., Donderwinkel, S., Kerriou, C., Lugosi, G., (2025+) Random friend trees.
73. Addario-Berry L., Lugosi, G., Imbuzeiro Oliveira, R. (2025+) The top eigenvalue of uniformly random trees.
74. Addario-Berry, L., Barrett, J., Corsini, B. (2025+) Finding minimum spanning trees via local improvements.
75. Addario-Berry, L., Reed, B., Scott, A. and Wood, D. (2025+) A logarithmic bound for the chromatic number of the associahedron.
76. Addario-Berry, L., (2025+) The local weak limit of the minimum spanning tree of the complete graph.
77. Addario-Berry, L. and Griffiths, S. (2025+) The spectrum of random lifts.

Other Refereed Contributions

Book Chapters

78. Addario-Berry, L., Goldschmidt, C., (2025+) Scaling limits of random graphs. In *Topics in Probabilistic Graph Theory*, Cambridge University Press, to appear.

Conference Proceedings, published or accepted

79. Addario-Berry L., Morin, P., Neininger, R. (2024) PATRICIA's bad distributions. In *35th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2024)*. Leibniz International Proceedings in Informatics (LIPIcs), Volume 302, pp. 25:1-25:8.
80. Addario-Berry, L., Angel, O., Chapuy, G., Fusy, E. and Goldschmidt, C. (2018) Voronoi tessellations in the CRT and continuum random maps of finite excess. Proceedings of the 2018 Symposium on Discrete Algorithms, New Orleans, January 7-10, 2018; pages 933-946.
81. Addario-Berry, L. and Lei, T. (2012) The mixing time of the Newman–Watts small world, 2012 Symposium on Discrete Algorithms, Kyoto, January 17-19, 2012.
82. Addario-Berry, L., Amini, O., Sereni, J.-S. and Thomassé, S. (2008) Guarding art galleries: the extra cost for sculptures is linear. *Lecture notes in computer science* 5124:41-52.
83. Addario-Berry, L., Broutin, N. and Reed, B. (2006) The Diameter of the Minimum Weight Spanning Tree of a Complete Graph, Fourth Colloquium on Mathematics and Computer Science Algorithms: Trees, Combinatorics and Probability, *Discrete Mathematics and Computer Science Proceedings* 237-250.
84. Addario-Berry, L., Dalal, K. and Reed, B (2005) Degree Constrained Subgraphs, *ENDM Proceedings of the 2nd Brazilian Symposium on Graphs, Algorithms and Combinatorics* 19:257-263.
85. Addario-Berry, L., Chor, B., Hallett, M., Lagergren, J., Panconesi, A. and Wareham, T. (2003) Ancestral Maximum Likelihood of Evolutionary trees is Hard, *Proc. of the Workshop on Algorithms in Bioinformatics (WABI '03)*, Budapest, 3:111-120.
86. Addario-Berry, L., Hallett, M. and Lagergren, J. (2003) Toward Identifying Lateral Gene Transfer Events, *Proc. of the Pacific Symposium on Bioinformatics (PSB '03)* 8:279-290.

Correspondence

87. Addario-Berry, L. and Reeve, P. (2008) Mental health: maybe human troubles don't fit into set categories, *Nature* 454, 13 August, 2008:824-824.