Matilde N. Lalín

PERSONAL INFORMATION

Citizenship	Argentina and Canada	Address	Département de mathématiques et de statistique
Born	Buenos Aires, Argentina		Université de Montréal
Email	matilde.lalin@umontreal.ca		CP 6128, succ. Centre-ville
Homepage	http://www.dms.umontreal.ca/~mlalin		Montréal, QC H3C 3J7, Canada
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		Phone	(514) 343-6689

EDUCATION

2001-2005	Ph.D., Department of Mathematics, University of Texas at Austin (Advisor: F. Rodríguez-Villegas)
Spring 2002	Visiting Graduate Student, Department of Mathematics, Harvard University
2000-2001	Graduate Student, Department of Mathematics, Princeton University
1996-1999	Licenciada en Ciencias Matemáticas, Universidad de Buenos Aires, Argentina

POSITIONS

Since 2018	Full Professor, Département de mathématiques et de statistique, Université de Montréal, Montréal, Canada
Since 2013	Member, Centre de recherches mathématiques
2019-2023	Vice-President - Québec. Canadian Mathematical Society.
2012-2018	Associate Professor, Département de mathématiques et de statistique, Université de Montréal, Montréal, Canada
2010-2012	Assistant Professor (tenure-track), Département de mathématiques et de statistique, Université de Montréal, Montréal, Canada
2007-2010	Assistant Professor (tenure-track), Department of Mathematical and Statistical Sciences, University of Alberta, Edmonton, Canada
May-July 2007	Guest, Max-Planck-Institut für Mathematik, Bonn, Germany
2006-2007	Postdoctoral Fellow, Pacific Institute for the Mathematical Sciences and University of British Columbia, Vancouver, Canada
July-August 2006	Guest, Max-Planck-Institut für Mathematik, Bonn, Germany
May-July 2006	Visitor, Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France
April-May 2006	Member, Mathematical Sciences Research Institute, Berkeley, USA
2005-2006	Member, Institute for Advanced Study, Princeton, USA

AWARDS AND DISTINCTIONS

2024-2025	CRM Distinguished Research Scholar
2024	Fellow, Association for Women in Mathematics, recognizing AWM members who have demonstrated a sustained commitment to the support and advancement of women in the mathematical sciences.
2023	Fellow, American Mathematical Society, recognizing AMS members for outstanding contributions to mathematics and to the profession.
2022	Fellow, Canadian Mathematical Society, recognizing CMS members who have made excellent contributions to mathematical research, teaching, or exposition; as well as having distinguished themselves in service to Canada's mathematical community.
2022	Krieger–Nelson Prize, Canadian Mathematical Society, prize recognizing outstanding research by a female mathematician.
2018	Nominee for the "Prix d'excellence en enseignement pour les professeurs", Faculté des arts et des sciences, Université de Montréal
2005-06	Nominee for the Outstanding Dissertation Award, Graduate School, University of Texas at Austin
2004-05	Frank Gerth III Dissertation Award, Department of Mathematics, University of Texas at Austin

FELLOWSHIPS AND SIMILAR POSITIONS

2006-2007	Postdoctoral Fellowship, Pacific Institute for the Mathematical Sciences
2005	Liftoff Fellowship, Clay Mathematics Institute (postponed until 2006)
Spring 2004	Graduate Research Assistantship, Department of Mathematics, University of Texas at Austin
2001-03, Fall 2004	Harrington Fellowship, University of Texas at Austin
2000-2001	Graduate Fellowship, Department of Mathematics, Princeton University
1998-1999	Fondo para el Mejoramiento de la Calidad Educativa (FOMEC), Argentina
Summer 1997	Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, Brazil

RESEARCH FUNDING

- Projet de recherche en équipe (PI: M. Lalín, co-PIs: A. Granville, C. David, and D. Koukoulopoulos) Fonds de recherche du Québec – Nature et technologies (FRQNT) (CAD$ 50,000 per year), 2021-2024

- Projet de recherche en équipe (PI: D. Koukoulopoulos, co-PIs: C. David, M. Lalín, and M. Radziwiłł), Fonds de recherche du Québec – Nature et technologies (FRQNT) (CAD$ 54,000 per year), 2018-2021

- Discovery Grant, Natural Sciences and Engineering Research Council of Canada (NSERC)

  - (CAD$ 31,000 per year), 2022-2027
  - (CAD$ 23,000 per year), 2013-2022 (extended due to appointment to the Mathematics and Statistics Evaluation Group and COVID-19)
  - (CAD$ 18,000 per year), 2008-2013

- Projet de recherche en équipe (PI: A. Granville, co-PIs: C. David and M. Lalín), Fonds de recherche du Québec – Nature et technologies (FRQNT) (CAD$ 40,000 per year), 2012-2015

- Établissement de nouveaux chercheurs, Fonds de recherche du Québec – Nature et technologies (FRQNT) (CAD$ 20,000 per year), 2011-2013

- Start-up grants

  - Faculté des arts et des sciences, Université de Montréal (CAD$ 10,000 total), 2010-2013
  - Faculty of Sciences, University of Alberta (CAD$ 50,000 total), 2007-2010

- Conference grants

  - CRM (CAD $ 25,000), joint with L. Devin, A. Granville, D. Koukoulopoulos. For "Analytic Number Theory and Arithmetic Statistics - Celebrating the mathematical contributions of Chantal David", Centre de recherches mathématiques, August 2024.
  - CRM (CAD $ 30,000), joint with C. David, D. Koukoulopoulos, J. Maynard, K. Ono, K. Soundararajan. For "A celebration of analytic number theory, a conference in honor of Andrew Granville", Centre de recherches mathématiques, September 2022.
  - Number Theory Foundation (US$ 5,000), joint with C. David, D. Koukoulopoulos, J. Maynard, K. Ono, K. Soundararajan. For "A celebration of analytic number theory, a conference in honor of Andrew Granville", Centre de recherches mathématiques, September 2022.
  - PIMS (CAD$ 4,000), joint with C. Doran, M. Kerr, J. D. Lewis, G. Pearlstein. For "Hodge Theory, Arithmetic and Moduli", University of British Columbia, May 2019.
  - CRM (CAD$ 15,000), joint with P. Brosnan, M. Kerr, R. Laza, J. D. Lewis, G. Pearlstein, and C. Robles. For "Algebraic cycles and moduli", Centre de recherches mathématiques, June 2016.
  - Number Theory Foundation (US$ 5,000), joint with C. David and M. Manes. For the BIRS Workshop "Women in Numbers 2", Banff, Alberta, Canada, November 2011
  - Microsoft Research (US$ 10,000), joint with C. David and M. Manes. For the BIRS Workshop "Women in Numbers 2", Banff, Alberta, Canada, November 2011
  - Within a Collaborative Research Group in Number Theory from PIMS, (CAD$ 15,000) joint with C. David and M. Manes. For the BIRS Workshop "Women in Numbers 2", Banff, Alberta, Canada, November 2011
  - PIMS (CAD$ 11,500), joint with J. D. Lewis and X. Chen. For "Regulators and Heights in Algebraic Geometry", University of Alberta, April 2008

- Travel grants

  - SQuaREs (PI: A. Sahay, co-PIs: G. Cheong, A. Florea, M. Lalín, A. Malik), "Divisor correlations in function fields", American Institute of Mathematics, 2023-2025

– SQuaREs (PI: J. Andrade, co-PIs: H. Bui, C. David, A. Florea, J. Keating, M. Lalín, S. Gonek), "Statistics for zeta zeros of curves over finite fields", American Institute of Mathematics, 2018-2022

– SQuaREs (PI: C. David, co-PIs: A. Bucur, B. Feigon, M. Lalín), "Statistics for zeta zeros of curves over finite fields", American Institute of Mathematics, 2012-2014

RESPONSIBILITIES FOR STUDENTS AND PDF'S

- Ph.D. Students

  – Subham Roy, Université de Montréal, September 2019 - present. Thesis title: "Mahler measure and its generalizations"

  – Siva Sankar Nair, Université de Montréal, September 2019 - present. Thesis title: "Mahler measure evaluations of polynomial families constructed via certain Möbius transformations"

  – Gang Wu, Université de Montréal, September 2016 - December 2022. Thesis title: "Approaches to Boyd's conjectures and their applications"

- Master's Students

  – Habib Jaber, Université de Montréal, January 2024 - present.

  – Xavier Généreux, Université de Montréal, September 2021 - September 2023. Thesis title: "The Northcott property on zeta functions over family of extensions"

  – Jarry Gu, Université de Montréal, May 2019 - September 2020. Thesis title: "Polylogarithms and Mahler measure"

  – Youcef Mokrani (NSERC Graduate Scholarship and FRQNT Scholarship of 2nd cycle), Université de Montréal, September 2018 - May 2020. Thesis title: "Generalizations of Monsky matrices for elliptic curves in Legendre form"

  – Subham Roy, Université de Montréal, September 2017 - August 2019. Thesis title: "Generalized Mahler measure of a family of polynomials"

  – Antoine Giard (NSERC Graduate Scholarship and FRQNT Scholarship of 2nd cycle), Université de Montréal, May 2017 - May 2019. Thesis title: "The Mahler measure of a Weierstrass form"

  – Gabriel Beauchamp Houde, Université de Montréal, May 2014 - August 2016. Thesis title: "Study of the number of irreducible polynomials over finite fields with certain constraints over the coefficients"

  – Nicolas Bouchard, Université de Montréal, June 2012 - October 2014. Thesis title: "Evaluation of the regulator over a modular curve and particular values"

  – Olivier Larocque, Université de Montréal, September 2011 - September 2014. Thesis title: "Enumeration of monic irreducible polynomials over finite fields with different coefficient constraints"

  – Jean-Sébastien Lechasseur (FRQNT Scholarship of 2nd cycle), Université de Montréal, May 2011 - September 2012. Thesis title: "Higher Mahler measure of certain rational functions"

  – Zahraa Issa, Université de Montréal, September 2010 - August 2012. Thesis title: "A generalization of a theorem of Boyd and Lawton"

- Postdoctoral Fellows

  – Daodao Yang (Co-supervised with A. Granville, and D. Koukoulopoulos), Université de Montréal, September 2023 - August 2025.

  – Alessandro Fazzari (Co-supervised with C. David, A. Granville, and D. Koukoulopoulos), Université de Montréal, September 2023 - August 2025.

  – Anwesh Ray (CRM-Simons Postdoctoral Fellow), September 2022 - August 2023.

  – Wanlin Li (CRM-ISM Postdoctoral Fellow, Co-supervised with C. David and A. Granville), January 2021 - August 2022.

  – Allysa Lumley (NSERC Postdoctoral Fellow, Co-supervised with C. David, A. Granville, and D. Koukoulopoulos), Université de Montréal, October 2019 - May 2022.

  – Olivier Mila (Swiss National Science Foundation, Early Postdoc Mobility Fellowship), Université de Montréal, October 2019 - April 2022.

  – Xianchang Meng (Co-supervised with C. David, D. Koukoulopoulos, and M. Radziwiłł), Université de Montréal, September 2017 - August 2018.

  – Sumit Giri (Co-supervised with C. David and D. Koukoulopoulos), Université de Montréal, October 2015 - August 2016.

- – Detchat Samart, Université de Montréal, January - June 2015.
  - – Mathew Rogers, Université de Montréal, July 2011 - July 2013.
  - – Ethan Smith (Co-supervised with C. David and A. Granville), Université de Montréal and Concordia University, June 2010 - July 2012.
  - – Kaneenika Sinha (PIMS Postdoctoral Fellow), University of Alberta, July 2008 - June 2010.

- Undergraduate Honor Students

  - – Damien LeBlanc (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2023. Project title: "Density of polynomials representable as sum of two squares"
  - – Mathilde Côté-Toulgoat (ISM Undergraduate Research Supervised by Postdoctoral Fellows, Co-supervised with W. Li), Université de Montréal, Summer 2022. Project title: "Elliptic Fermat numbers"
  - – Juan Pablo De Rasis, Universidad de Buenos Aires, July 2019-July 2020. Project title: "Arithmetics of elliptic surfaces and applications" (tesis de licenciatura)
  - – Youcef Mokrani, Université de Montréal, Summer 2017. Project title: "Adaptation of Monsky matrices to non-θ-congruent numbers with $\theta = \frac{\pi}{3}$ and $\theta = \frac{2\pi}{3}$"
  - – Alexis Leroux-Lapierre (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2017. Project title: "Notes on elliptic curves"
  - – Nicolas Bouchard (ISM Undergraduate Research Supervised by Postdoctoral Fellows, Co-supervised with E. Smith), Université de Montréal, Summer 2011. Project title: "Congruent numbers and elliptic curves and functions"
  - – Nicolas Simard (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2011. Project title: "Complex multiplication"

- Undergraduate Summer Students

  - – Juan Arévalo Gómez (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Universidad Nacional de Colombia, Colombia, Summer 2023. Project title: "Arithmetics in Function Fields"
  - – Zhexing Zhang (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and University of Hong Kong, Hong Kong, China, Summer 2022. Project title: "Arithmetics in Function Fields"
  - – Sandrine St-Cyr (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2022. Project title: "Elliptic curve analogues of arithmetic sequences"
  - – Tinghao Huang (Mitacs Globalink Undergraduate Research Internship, Co-supervised with O. Mila), Université de Montréal and Sun Yat-sen University, Zhuhai, China, Summer 2021. Project title: "Applications of elliptic curves to geometric problems" (remote supervision due to COVID-19)
  - – Xavier Généreux (ISM Undergraduate Research Supervised by Postdoctoral Fellows, Co-supervised with W. Li), Université de Montréal, Summer 2021. Project title: "The Northcott property for special values of L-functions over function fields" (remote supervision due to COVID-19)
  - – Jeanne Laflamme (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2021. Project title: "Applications of Nagao's conjecture to elliptic curves" (remote supervision due to COVID-19)
  - – Jeanne Crapart, Université de Montréal, Summer 2021. Project title: "Elliptic curve analogues of arithmetic sequences" (remote supervision due to COVID-19)
  - – Hargun Preet Singh Bhatia (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Indian Institute of Technology (IIT), Kanpur, India, Summer 2020. Project title: "Applications of elliptic curves to geometric problems" (cancelled program due to COVID-19, remote informal supervision)
  - – Jeanne Laflamme (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2020. Project title: "Applications of elliptic curves to geometric problems" (remote supervision due to COVID-19)
  - – Debmalya Basak (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Indian Institute of Science Education and Research (IISER), Kolkata, India, Summer 2019. Project title: "Number theory in function fields"
  - – Jonah Klein (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2019. Project title: "Enumeration of irreducible polynomials over a finite field with prescribed coefficients"

- Nicolas Degré-Pelletier (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2019. Project title: "Enumeration of irreducible polynomials over a finite field with prescribed coefficients"

- Federico Barallobres (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2019. Project title: "Enumeration of irreducible polynomials over a finite field with prescribed coefficients"

- Simon Lemieux, Université de Montréal, Summer 2019. Project title: "Enumeration of irreducible polynomials over a finite field with prescribed coefficients"

- Olivia Cardinal, Université de Montréal, Summer 2019. Project title: "Enumeration of irreducible polynomials over a finite field with prescribed coefficients"

- Xinchun Ma (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Fudan University, China, Summer 2018. Project title: "Elliptic curves and congruent numbers"

- Nicolas Degré-Pelletier (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2018. Project title: "Function fields and Tornhein zeta functions"

- Tushant Mittal (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Indian Institute of Technology (IIT), Kanpur, India, Summer 2017. Project title: "The Mahler measure of elliptic curves"

- Siva Sankar Nair (Mitacs Globalink Undergraduate Research Internship), Université de Montréal and Indian Institute of Technology (IIT), Kanpur, India, Summer 2016. Project title: "Elliptic curves and congruent numbers"

- Frank Ramamonjisoa (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2016. Project title: "Applications of the arithmetic of elliptic curves"

- Antoine Giard (ISM Undergraduate Research Supervised by Postdoctoral Fellows, Co-supervised with D. Samart), Université de Montréal, Summer 2015. Project title: "Generalized Mahler measure: bounds and other properties"

- Alexis Langlois-Rémillard (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2015. Project title: "Higher Mahler measure: bounds and other properties"

- Michael Laplante, Université de Montréal, Summer 2014. Project title: "The Riemann hypothesis over function fields"

- Joëlle Matte (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2014. Project title: "The Riemann hypothesis over function fields"

- Vincent Girard (NSERC Undergraduate Student Research Award, Co-supervised with D. Koukoulopoulos), Université de Montréal, Summer 2013. Project title: "Elliptic curves and congruent numbers"

- Miguel Caubet Fernández (NSERC Undergraduate Student Research Award), Université de Montréal, Summer 2012. Project title: "An introduction to binary quadratic forms"

- Francis Rodrigue (ISM Undergraduate Research Supervised by Postdoctoral Fellows, Co-supervised with M. Rogers), Université de Montréal, Summer 2012. Project title: "An exploration of Bernoulli numbers and Bernoulli polynomials"

- Jean-François Viens (Co-supervised with O. Cornea), Université de Montréal, Summer 2012. Project title: "Quadratic forms and Intersection form"

- Andrew Cenkner (NSERC Undergraduate Student Research Award), University of Alberta, Summer 2008. Project title: "Distributions of Gaussian primes and primes in other Euclidean domains"

- College Summer Students

  - Alexandre Simard, Université de Montréal and Collège Montmorency, Summer 2018. Project title: "Introduction to elliptic curves"

- Research Assistants

  - Jungbae Nam (Co-supervised with Chantal David), Concordia University, February - August 2019. Project title: "Conjectures for moments associated with cubic twists of elliptic curves"

- Ph.D. Dissertation Committee

  - Stylianos Sachpazis, Université de Montréal, June 2023. Committee member.
  - Berend Ringeling, Radboud Universiteit, April 2023. External committee member.

- Mahya Mehrabdollahei, Sorbonne Université, July 2022. External committee member.
- Kunjakanan Nath, Université de Montréal, August 2021. Committee chair.
- Shamik Das, Indian Institute of Technology Guwahati, July 2021. External committee member.
- Crystel Bujold, Université de Montréal, December 2019. Committee chair.
- Siddhi Pathak, Queen's University, April 2019. External committee member.
- Marzieh Mehdizadeh, Université de Montréal, July 2017. Committee chair.
- Oleksiy Klurman, Université de Montréal, July 2017. Committee member.
- Jason Polak, McGill University, March 2016. External committee member.
- Dimitri Dias, Université de Montréal, November 2015. Committee chair.
- Yara Elias, McGill University, April 2015. External committee member.
- Luca Candelori, McGill University, May 2014. External committee member.
- Daniel Fiorilli, Université de Montréal, August 2011. Committee chair.

- Ph.D. Candidacy Exam Committee

  - Sun-Kai Leung, Université de Montréal, December 2022. Committee chair.
  - Christian Táfula Santos, Université de Montréal, August 2022. Committee chair.
  - Cihan Sabuncu, Université de Montréal, August 2022. Committee member.
  - Arghya Datta, Université de Montréal, August 2021. Committee chair.
  - Kunjakanan Nath, Université de Montréal, June 2018. Committee chair.
  - Crystel Bujold, Université de Montréal, November 2015. Committee chair.
  - Oleksiy Klurman, Université de Montréal, August 2015. Committee chair.
  - Jose Manuel Rodríguez Caballero, Université de Montréal, October 2013. Committee chair.
  - Marzieh Mehdizadeh, Université de Montréal, September 2013. Committee chair.
  - Dimitri Dias, Université de Montréal, May 2012. Committee chair.
  - Kevin Henriot, Université de Montréal, December 2011. Committee chair.
  - Jauffret Colin, Université de Montréal, August 2011. Committee member.
  - Andrey Novoseltsev, University of Alberta, March 2009. Committee member.
  - Serhan Tuncer, University of Alberta, September 2008. Committee member.

- Master's thesis Committee

  - Simon Lemieux, Université de Montréal, June 2023, Committee chair.
  - Jonah Klein, Université de Montréal, February 2023, Committee member.
  - Arghya Datta, Université de Montréal, September 2022, Committee chair.
  - Xavier Pelletier, Université de Montréal, September 2022, Committee chair.
  - Joëlle Matte, Université de Montréal, December 2018, Committee chair.
  - Léonard Houde Therrien, Université de Montréal, June 2018, Committee chair.
  - Vincent Girard, Université de Montréal, October 2017, Committee chair.
  - Antoine Comeau-Lapointe, Université de Montréal, August 2016, Committee chair.
  - Jose Manuel Rodríguez Caballero, Université de Montréal, May 2015, Committee chair.
  - François Amalega Bitondo, Université de Montréal, September 2014, Committee chair.
  - Crystel Bujold, Université de Montréal, January 2014. Committee chair.
  - Antoine Poirier, Université de Montréal, February 2012. Committee chair.
  - Marc-André Lacase, Université de Montréal, December 2011. Committee chair.

- Other Students

  - Frank Ramamonjisoa, PhD Student (general advisor) Université de Montréal, May 2017 - January 2019.
  - François Amalega Bitondo, PhD Student (general advisor) Université de Montréal, October 2014 - June 2016.

- Jean-Sébastien Lechasseur, PhD Student (general advisor) Université de Montréal, September 2012 - October 2014.

- Geneviève Perren, Visiting PhD Student (from University of Fribourg, Switzerland), University of Alberta, Summer 2008.

- Shravya Yeragani, Undergraduate Student (general advisor), University of Alberta, April 2008 - February 2009.

PUBLICATIONS

63. *Joint with Vivian Kuperberg,* Symplectic conjectures for sums of divisor functions and explorations of an orthogonal regime. To appear, *Trans. Amer. Math. Soc.*

62. *Joint with Subham Roy,* The areal Mahler measure under a power change of variables. To appear, *Ill. J. Math.*

61. *Joint with Xavier Généreux*, On the Northcott property of Dedekind zeta functions, *Ramanujan J.* **63** (2024), no. 4, 1135 – 1178.

60. *Joint with Subham Roy,* Evaluations of the areal Mahler measure of multivariable polynomials, *J. Number Theory* **254** (2024), 103 – 145.

59. *Joint with Zhexing Zhang,* The number of prime factors in h-free and h-full polynomials over function fields. To appear, *Publ. Math. Debrecen*

58. *Joint with Annie Carter, Michelle Manes, and Alison Beth Miller*, Dynamical Mahler measure: A survey and some recent results. To appear, *Proceedings of WIN5—Women in Numbers 5* (refereed)

57. *Joint with Tinghao Huang and Olivier Mila,* Spherical Heron triangles and elliptic curves, *J. Théor. Nombres Bordeaux* **35** (2023), no. 1, 219 – 246.

56. *Joint with Siva Sankar Nair,* An invariant property of Mahler measure. *Bull. Lond. Math. Soc.* **55** (2023), no. 3, 1129 – 1142.

55. *Joint with Alina Bucur, Alina Carmen Cojocaru, and Lillian B. Pierce,* Geometric generalizations of the square sieve, with an application to cyclic covers (with an appendix by Joseph Rabinoff). *Mathematika* **69** (2023), no 1, 106 – 154.

54. *Joint with Rafael Jakimczuk,* Sums of $\omega(n)$ and $\Omega(n)$ over the k-free parts and k-full parts of some particular sequences. *Integers* **22** (2022), Paper No. A113, 22 pp.

53. *Joint with Rafael Jakimczuk,* Asymptotics of sums of divisor functions over sequences with restricted factorization structure. *Notes Number Theory Discrete Math.* **28** (2022), no. 4, 617 – 634.

52. *Joint with Antoine Comeau-Lapointe, Chantal David, and Wanlin Li*, On the vanishing of twisted L-functions of elliptic curves over function fields. *Proceedings of the Fifteenth Algorithmic Number Theory Symposium. Res. Number Theory* **8** (2022), no. 4, Paper No. 76, 28 pp. (refereed)

51. *Joint with Xavier Généreux and Wanlin Li,* On the Northcott property of zeta functions over function fields. *Finite Fields Appl.* **83** (2022), Paper No. 102080, 27 pp.

50. *Joint with Annie Carter, Michelle Manes, Alison Beth Miller, and Lucia Mocz,* Two-variable polynomials with dynamical Mahler measure zero. *Res. Number Theory* **8** (2022), no. 2, Paper No. 25, 22 pp.

49. *Joint with Vivian Kuperberg,* Sums of divisor functions and von Mangoldt convolutions in $\mathbb{F}_q[T]$ leading to symplectic distributions. *Forum Math.* **34** (2022), no. 3, 711 – 747.

48. *Joint with Olivier Mila,* Hyperbolic Heron triangles and elliptic curves. *J. Number Theory* **240** (2022), 272 – 295.

47. *Joint with Rafael Jakimczuk,* The number of prime factors on average in certain integer sequences. *J. Integer Seq.* **25** (2022), no. 2, Art. 22.2.3, 15 pp.

46. *Joint with Chantal David and Alexandra Florea,* Non-vanishing for cubic L–functions. *Forum Math. Sigma.* **9** (2021), Paper No. e69, 58 pp.

45. *Joint with Chantal David and Alexandra Florea,* The mean values of cubic L-functions over function fields. *Algebra Number Theory* **16** (2022), no. 5, 1259 – 1326.

44. *Joint with Mikhail Belolipetsky, Plinio G. P. Murillo, and Lola Thompson,* Counting Salem numbers of arithmetic hyperbolic 3–orbifolds. *Bull. Braz. Math. Soc. (N.S.)* **53** (2022), no. 2, 553 – 569.

43. *Joint with Chantal David and Jungbae Nam,* Conjectures for moments associated with cubic twists of elliptic curves. *Exp. Math.* **32** (2023), no 1, 105 – 132.

42. *Joint with Jarry Gu,* The Mahler measure of a three-variable family and an application to the Boyd–Lawton formula. *Res. Number Theory* **7** (2021), no. 1, Paper No. 13, 23 pp.

41. *Joint with Jeanne Laflamme,* On Ceva points of (almost) equilateral triangles. *J. Number Theory* **222** (2021), 48 – 74.

40. *Joint with Gang Wu,* The Mahler measure of a genus 3 family. *Ramanujan J.* **55** (2021), no. 1, 309 – 326.

39. *Joint with Debmalya Basak and Nicolas Degré-Pelletier,* Multiple zeta functions and polylogarithms over global function fields. *J. Théor. Nombres Bordeaux* **32** (2020), no. 2, 403 – 438.

38. *Joint with Xinchun Ma,* θ-triangle and ω-parallelogram pairs with common area and common perimeter. *J. Number Theory* **202** (2019), 1 – 26.

37. *Joint with Gang Wu,* Regulator proofs for Boyd's identities on genus 2 curves. *Int. J. Number Theory* **15** (2019), no. 5, 945 – 967.

36. *Joint with Abhijit Champanerkar and Ilya Kofman,* Mahler measure and the Vol-Det conjecture. *J. Lond. Math. Soc. (2)* **99** (2019), no. 3, 872 – 900.

35. *Joint with Tushant Mittal,* The Mahler measure for arbitrary tori. *Res. Number Theory* **4** (2018), no. 2, Paper No. 16, 23 pp.

34. *Joint with Jean-Sébastien Lechasseur,* A reduction formula for length-two polylogarithms and some applications. *Rev. Un. Mat. Argentina* **59** (2018), no. 2, 285 – 309.

33. *Joint with Vincent Girard and Siva Sankar Nair,* Families of non-θ-congruent numbers with arbitrarily many prime factors. *Colloq. Math.* **152** (2018), no. 2, 255 – 271.

32. *Joint with Frank Ramamonjisoa,* The Mahler measure of a Weierstrass form. *Int. J. Number Theory* **13** (2017), no. 8, 2195 – 2214.

31. *Joint with Detchat Samart and Wadim Zudilin,* Further explorations of Boyd's conjectures and a conductor 21 elliptic curve. *J. Lond. Math. Soc. (2)* **93** (2016), no. 2, 341 – 360.

30. *Joint with Alina Bucur, Chantal David, and Brooke Feigon,* Statistics for ordinary Artin–Schreier covers and other p-rank strata. *Trans. Amer. Math. Soc.* **368** (2016), no. 4, 2371 – 2413.

29. *Joint with Alina Bucur, Chantal David, Brooke Feigon, Nathan Kaplan, Ekin Ozman, and Melanie Matchett Wood,* The distribution of $\mathbb{F}_q$-points on cyclic ℓ-covers of genus g. *Int. Math. Res. Not. IMRN* 2016, no. 14, 4297 – 4340.

28. A new method for obtaining polylogarithmic Mahler measure formulas. *Res. Number Theory* **2** (2016), Paper No. 17, 16 pp.

27. *Joint with Olivier Larocque,* The number of irreducible polynomials with first two prescribed coefficients over a finite field. *Rocky Mountain J. Math.* **46** (2016), no. 5, 1587 – 1618.

26. *Joint with Jean-Sébastien Lechasseur,* Higher Mahler measure of an n-variable family. *Acta Arith.* **174** (2016), no. 1, 1 – 30.

25. Mahler measure and elliptic curve L-functions at $s = 3$. *J. Reine Angew. Math.* **709** (2015), 201 – 218.

24. *Joint with Francis Rodrigue and Mathew Rogers,* Secant-Zeta Functions. *J. Math. Anal. Appl.* **409** (2014), no. 1, 197 – 204.

23. *Joint with Marie-José Bertin, Amy Feaver, Jenny Fuselier, and Michelle Manes,* Mahler measure of some singular $K3$-surfaces. *Women in numbers 2: research directions in number theory,* 149 – 169, Contemp. Math., **606**, Centre Rech. Math. Proc., Amer. Math. Soc., Providence, RI, 2013. (refereed)

22. *Joint with Marie-José Bertin,* Mahler measure of multivariable polynomials. *Women in numbers 2: research directions in number theory,* 125 – 147, Contemp. Math., **606**, Centre Rech. Math. Proc., Amer. Math. Soc., Providence, RI, 2013. (refereed)

21. Equations for Mahler measure and isogenies. *Proceedings of the "Cuartas jornadas de teoría de números" J. Théor. Nombres Bordeaux* **25** (2013), no. 2, 387 – 399. (refereed)

20. *Joint with Zahraa Issa,* A generalization of a theorem of Boyd and Lawton. *Canad. Math. Bull.* **56** (2013), no. 4, 759 – 768.

19. *Joint with Chris J. Smyth,* Unimodularity of zeros of self-inversive polynomials. *Acta Math. Hungar.* **138** (2013), no. 1–2, 85 – 101. Addendum, *Acta Math. Hungar.* **147** (2015), no. 1, 255 – 257.

18. *Joint with Mathew D. Rogers*, Variations of the Ramanujan polynomials and remarks on $\zeta(2j+1)/\pi^{2j+1}$. *Funct. Approx. Comment. Math.* **48** (2013), part 1, 91 – 111.

17. *Joint with Alina Bucur, Chantal David, Brooke Feigon, and Kaneenika Sinha,* Distribution of zeta zeroes of Artin–Schreier curves. *Math. Res. Lett.* **19** (2012), no. 6, 1329 – 1356.

16. *Joint with Kaneenika Sinha*, Higher Mahler measure for cyclotomic polynomials and Lehmer's question. *Ramanujan J.* **26** (2011), no. 2, 257 – 294.

15. *Joint with Alina Bucur, Chantal David, and Brooke Feigon*, Biased statistics for traces of cyclic p-fold covers over finite fields. *WIN—Women in Numbers*, 121 – 143, Fields Institute Communications, **60**, Amer. Math. Soc., Providence, RI, 2011, (refereed)

14. *Joint with Alina Bucur, Chantal David, and Brooke Feigon*, Fluctuations in the number of points on smooth plane curves over finite fields. *J. Number Theory* **130** (2010), no. 11, 2528 – 2541.

13. *Joint with Alina Bucur, Chantal David, and Brooke Feigon*, Statistics for traces of cyclic trigonal curves over finite fields. *Int. Math. Res. Not. IMRN* 2010, no. 5, 932 – 967.

12. On a conjecture by Boyd. *Int. J. Number Theory* **6**, (2010), no. 3, 705 – 711.

11. *Joint with Oliver T. Dasbach,* Mahler measure under variations of the base group. *Forum Math.* **21** (2009), no. 4, 621 – 637.

10. *Joint with N. Kurokawa and H. Ochiai,* Higher Mahler measure and zeta functions. *Acta Arith.* **135** (2008), no. 3, 269 – 297.

9. *Joint with Oliver T. Dasbach,* On the recurrence of coefficients in the Lück–Fuglede–Kadison determinant. *Proceedings of the "Segundas Jornadas de Teoría de Números."* 119 – 134 Bib. Rev. Mat. Iberoam. *Rev. Mat. Iberoamericana, Madrid,* 2008. (refereed)

8. Mahler measures and computations with regulators. *J. Number Theory* **128** (2008), no. 5, 1231 – 1271.

7. *Joint with Mathew D. Rogers,* Functional equations for Mahler measures of genus-one curves. *Algebra Number Theory* **1** (2007), no. 1, 87 – 117.

6. An algebraic integration for Mahler measure. *Duke Math. J.* **138** (2007), no. 3, 391 – 422.

5. *Joint with Carlos A. D'Andrea,* On the Mahler measure of resultants in small dimensions. *J. Pure Appl. Algebra* **209** (2007), no. 2, 393 – 410.

4. Mahler measure of some n-variable polynomial families. *J. Number Theory* **116** (2006), no. 1, 102 – 139.

3. On certain combination of colored multizeta values. *J. Ramanujan Math. Soc.* **21** (2006), no. 1, 115 – 127.

2. Mahler measure and volumes in hyperbolic space. *Geom. Dedicata* **107** (2004), 211 – 234.

1. Some examples of Mahler measures as multiple polylogarithms. *J. Number Theory* **103** (2003), no. 1, 85 – 108.

SUBMITTED WORK

- *Joint with Juan Arévalo Gómez,* Prime factors with given multiplicity in h-free and h-full polynomials over function fields. Submitted February 2024.

- *Joint with Alexandra Florea and Edna Jones,* Moments of Artin–Schreier L–functions, Submitted November 2023.

- *Joint with Anwesh Ray,* On the distribution of eigenvalues in families of Cayley graphs. Submitted November 2023.

- *Joint with Siva Sankar Nair and Subham Roy,* The Mahler measure of an n-variable family with non-linear degree. Submitted October 2023.

- *Joint with Pranendu Darbar, Chantal David, and Allysa Lumley,* Asymmetric Distribution of Extreme Values of Cubic L-functions on the 1-line. Submitted June 2023.

NON-REFEREED PUBLICATIONS

- Distributions of sums of the divisor function over function fields. Proceedings of the Workshop "Zeta functions and their representations". Research Institute for Mathematical Sciences (RIMS), Kyoto University, Kyoto, Japan, March 2023. *RIMS Kôkyûroku* No. 2267-07.

- Some remarks on Mahler measure for arbitrary tori. Low-dimensional Topology and Number Theory. Abstracts from the workshop held August 20-August 26, 2017. Organized by Paul E. Gunnells, Walter D. Neumann, Adam S. Sikora and Don B. Zagier. Oberwolfach Reports. Vol. 14, no. 3. *Oberwolfach Rep.* 14 (2017), no. 3, 2363 – 2426.

- Higher Mahler measure as a Massey product in Deligne Cohomology. Low-dimensional Topology and Number Theory. Abstracts from the workshop held August 15-August 21, 2010. Organized by Paul E. Gunnells, Walter D. Neumann, Adam S. Sikora and Don B. Zagier. Oberwolfach Reports. Vol. 7, no. 3. *Oberwolfach Rep.* 7 (2010), no. 3, 2101 – 2163.

THESES

- Some relations of Mahler measure with hyperbolic volumes and special values of L-functions, Doctoral Dissertation, *University of Texas at Austin.* (August 2005).

- Introducción a las Curvas Elípticas (Spanish for: Introduction to Elliptic Curves), Tesis de Licenciatura, *Universidad de Buenos Aires.* (December 1999).

OUTREACH PUBLICATIONS

- (Un)Balancing Mathematical Research and Remote Schooling in Times of COVID. *CMS Notes, Canadian Mathematical Society*, Vol 54, No. 2, March/April 2022. (invited article)

- Arithmetics, interrupted. *J. Humanist. Math.* **11** (2021), no. 2, 265 – 270.

- Rethinking Conferences in Light of Climate Change. *CMS Notes, Canadian Mathematical Society*, Vol 52, No. 1, February 2020. (invited article)

TEACHING EXPERIENCE

2010-	Full/Assoc./Assist. Prof., Département de mathématiques et de statistique, Université de Montréal
	Courses: Algebraic Number Theory, Galois Theory, Number Theory, Complex Analysis,
	Group Theory, Rings and Modules, Discrete Mathematics, Calculus 2, Elliptic Curves, Modular Forms
2007-2010	Assist. Prof., Department of Mathematical and Statistical Sciences, University of Alberta
	Courses: Elementary Number Theory, Introduction to Elliptic Curves, Algebraic Number Theory
	Introduction to Ring Theory
First Term 2007	Instructor, Department of Mathematics, University of British Columbia
	Course: Integral Calculus with Applications to Life Sciences
Spring 2005	Graduate Teaching Assistant, Department of Mathematics, University of Texas at Austin
	Courses: Advanced Calculus for applications I (First course in Differential Equations),
	Matrices and Matrix calculations
1998-2000	Teaching Assistant, Departamento de Matemáticas, Universidad de Buenos Aires, Argentina
	Courses: Analysis II, Algebra I, Advanced Calculus, Complex Analysis, Algebra III
1996-2000	Trainer in Mathematical Olympiads, Escuela Técnica ORT, Buenos Aires, Argentina

PROFESSIONAL SOCIETIES

Canadian Mathematical Society
American Mathematical Society
Mathematical Association of America
Association for Women in Mathematics
Unión Matemática Argentina

INVITED WORKSHOP/CONFERENCE TALKS

90. Evaluations of areal Mahler measure of multivariable polynomials. MM(P): Mahler Measures of Polynomials, Radboud Universiteit, Nijmegen, Netherlands, October 2023.

89. Evaluations of areal Mahler measure and polylogarithms. Workshop on Polylogarithms, Cluster Algebras, and Scattering Amplitudes. Brin Mathematics Research Center, University of Maryland, College Park, Maryland, USA, September 2023.

88. Vanishing of twisted L-functions of elliptic curves over function fields. Special Session on Computational Number Theory. Applied Mathematics, Modeling and Computational Science conference (AMMCS-2023). Wilfrid Laurier University, Waterloo, Ontario, Canada, August 2023.

87. The distribution of values of cubic L-functions at $s = 1$. Scientific Session on Number Theory in Celebration of the 70th Birthday of Ram Murty. 2023 CMS Summer Meeting, Ottawa, Ontario, Canada, June 2023.

86. Vanishing of twisted L-functions of elliptic curves over function fields. Jean-Morlet Chair-Arithmetic Statistics. Centre International de Rencontres Mathématiques (CIRM), Luminy, France, May 2023.

85. The distribution of values of cubic L-functions at $s = 1$. ANTD XIV Alberta Number Theory Days. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, April 2023.

84. Moments of Artin–Schreier covers. WIN6 Women in Numbers 6. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, March 2023.

83. Distributions of sums of the divisor function over function fields. Zeta functions and their representations. Research Institute for Mathematical Sciences (RIMS), Kyoto University, Kyoto, Japan, March 2023.

82. On the Northcott property for zeta functions over function fields and number fields. Scientific Session on Diophantine Arithmetic Geometry and Number Theory. 2022 CMS Winter Meeting, Toronto, Ontario, Canada, December 2022.

81. Aspects of dynamical Mahler measure. AMS Special Session on Latinx and Hispanics in Combinatorics, Number Theory, Geometry and Topology. 2022 Fall Eastern Sectional Meeting, University of Massachusetts, Amherst, Massachusetts, USA, October 2022.

80. A moment with L-functions. Plenary Speaker. The Second Conference on Mathematics and Applications of Mathematics (CMAM'2022). Laboratory of Mathematics and Applications of Mathematics (LMAM), Université de Jijel, Jijel, Algeria, September 2022 (remote talk).

79. A moment with L-functions. Plenary Speaker. Conferencia González Domínguez. Annual meeting of the Unión Matématica Argentina, Neuquén, Argentina, September 2022 (remote talk).

78. Distributions of sums of the divisor function over function fields. Moments of L-functions Workshop, University of Northern British Columbia, Prince George, British Columbia, Canada, July 2022.

77. Sums of the divisor function over $\mathbb{F}_q[T]$ and symplectic distributions. 50 Years of Number Theory and Random Matrix Theory Conference, Institute for Advanced Study, Princeton, New Jersey, USA, June 2022.

76. Several aspects of dynamical Mahler measure. Plenary Speaker. Equidistribution and Arithmetic Dynamics, Oklahoma State University, Stillwater, Oklahoma, USA, June 2022 (remote talk).

75. Special values of L-functions up close and from afar. Krieger–Nelson Prize lecture. 2022 CMS Summer Meeting, St. John's, Newfoundland, Canada, June 2022.

74. A moment with L-functions. Plenary Speaker. XXIVe Colloque Panquébécois de l'Institut des Sciences Mathématiques (ISM), Université Laval, Québec, Québec, Canada, May 2022.

73. Dynamical Mahler measure. Invited Conference. XXVIII ERAG (Encuentro Rioplatense de Álgebra y Geometría), La Plata, Argentina, December 2021 (remote talk due to COVID-19).

72. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Plenary Speaker. PAlmetto Joint Arithmetic, Modularity, and Analysis Series (PAJAMAS III), Clemson, South Carolina, USA, September 2021 (remote talk due to COVID-19).

71. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Special session on Number Theory. CLAM VI (Congreso Latinoamericano de Matemáticos), Montevideo, Uruguay, September 2021 (remote talk due to COVID-19).

70. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Workshop on Averages of L-functions and Arithmetic Stratification, American Institute of Mathematics, San José, California, USA, August 2021.

69. Non-vanishing for cubic L-functions over function fields. Special featured speaker. MCA Special Session on Finite Fields and Applications. Mathematical Congress of the Americas 2021, Buenos Aires, Argentina, July 2021 (remote talk due to COVID-19).

68. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. MCA Special Session on Number Theory in the Americas. Mathematical Congress of the Americas 2021, Buenos Aires, Argentina, July 2021 (remote talk due to COVID-19).

67. Non-vanishing for cubic L-functions over function fields. Symposium on Number Theory in honour of Prof. M.V. Subbarao on his birth centenary. Indian Institute of Science Education and Research (IISER), Pune, India, July 2021 (remote talk due to COVID-19).

66. Non-vanishing for cubic L-functions over function fields. Scientific Session Amicale de théorie des nombres en hommage à Robert Langlands. 2021 CMS Summer Meeting, Ottawa, Ontario, Canada, June 2021 (remote talk due to COVID-19).

65. The Mahler measure of triangular polynomials. Scientific Session on Algebraic Number Theory. 2021 CMS Summer Meeting, Ottawa, Ontario, Canada, June 2021 (remote talk due to COVID-19).

64. Non-vanishing for cubic L-functions. AMS Special Session on Analytic Number Theory. 2020 Fall Eastern Sectional Meeting, Pennsylvania State University, University Park, Pennsylvania, USA, October 2020 (remote talk due to COVID-19).

63. Conjectures for moments of cubic twists of elliptic curves. Scientific Session on Analytic Number Theory. 2019 CMS Winter Meeting, Toronto, Ontario, Canada, December 2019.

62. L-functions and Mahler measure: Number Theory and beyond. Plenary Speaker. XXIII Coloquio Latinoamericano de Álgebra, Mexico City, Mexico, August 2019.

61. Conjectures for moments associated with cubic twists of elliptic curves. Session on Number Theory. XXIII Coloquio Latinoamericano de Álgebra, Mexico City, Mexico, August 2019.

60. The mean value of cubic L-functions over function fields. Number Theory Days in Lille. Université de Lille, Lille, France, July 2019.

59. The mean value of cubic L-functions over function fields. Plenary Speaker. 49th Barrett Lectures (Recent Developments in Number Theory). The University of Tennessee, Knoxville, Tennessee, USA, May 2019.

58. The mean value of cubic L-functions over function fields. Scientific Session on Distributions in Analytic Number Theory. 2018 CMS Winter Meeting, Vancouver, British Columbia, Canada, December 2018.

57. The mean value of cubic L-functions over function fields. Plenary Speaker. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, October 2018.

56. L-functions and Mahler measure: Number Theory and beyond. Plenary Speaker. Annual meeting of the Unión Matématica Argentina, La Plata, Argentina, September 2018.

55. Identities of Mahler measures via regulators. Masterclass: Mahler measures and special values of L-functions. University of Copenhagen, Denmark, August 2018.

54. Moments of L-functions over function fields. Strength in Numbers, A Graduate Workshop in Number Theory and Related Areas. Queen's University, Kingston, Ontario, Canada, May 2018.

53. Remarks on the Mahler measure for arbitrary tori. Scientific Session on Analytic Number Theory. 2017 CMS Winter Meeting, Waterloo, Ontario, Canada, December 2017.

52. A geometric generalization of the square sieve and applications to cyclic covers. Maine-Québec Number Theory Conference. University of Maine, Orono, Maine, USA, October 2017.

51. A polynomial sieve in a geometric setting. Scientific Session on Analytic Number Theory. 2016 CMS Winter Meeting, Niagara Falls, Ontario, Canada, December 2016.

50. The distribution of points on families of curves over finite fields. Thematic Session on Finite Fields. XXI Coloquio Latinoamericano de Álgebra, Buenos Aires, Argentina, July 2016.

49. The Mahler measure of a Weierstrass form. Thematic Session on Number Theory. XXI Coloquio Latinoamericano de Álgebra, Buenos Aires, Argentina, July 2016.

48. Polylogarithms and multizeta values in Mahler measure. Scientific Session on Analytic number theory and Diophantine equations. 2016 CMS Summer Meeting, Edmonton, Alberta, Canada, June 2016.

47. The distribution of points on cyclic ℓ-covers of genus g. Invited Special Session. Canadian Number Theory Association XIV Meeting, University of Calgary, Calgary, Alberta, Canada, June 2016.

46. Polylogarithms and multizeta values in Mahler measure and its generalizations. Workshop on Polylogarithms, Multizeta Values, and Mahler measures. Tohoku University, Sendai, Japan, March 2016.

45. Special values of elliptic curve L-functions arising from Mahler measure. A conference in Number Theory celebrating the 65th birthday of R. Balasubramanian. The Institute of Mathematical Sciences (IMSc), Chennai, India, December 2015.

44. The Mahler measure of elliptic curves. Computational Aspects of L-functions. Institute for Computational and Experimental Research in Mathematics (ICERM), Providence, Rhode Island, USA, November 2015.

43. The Mahler measure of elliptic curves. The Geometry, Algebra and Analysis of Algebraic Numbers. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, October 2015.

42. The Mahler measure of elliptic curves. Illinois Number Theory Conference. University of Illinois at Urbana-Champaign, Illinois, USA, August 2015.

41. Higher Mahler measure of some n-variable polynomial families. Special Session on Computational Number Theory. Applied Mathematics, Modeling and Computational Science conference and the Canadian Applied and Industrial Mathematics Society meeting (AMMCS-CAIMS-2015). Wilfrid Laurier University, Waterloo, Ontario, Canada, June 2015.

40. The Mahler measure of elliptic curves. Scientific Session on Number Theory. 2015 CMS Summer Meeting, Charlottetown, Prince Edward Island, Canada, June 2015.

39. Mahler measure and elliptic curve L-functions at $s = 3$. Cohomological Realizations of Motives. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, December 2014.

38. The distribution of points on cyclic ℓ-covers of genus g. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, September 2014.

37. Mahler measure and $L(E, 3)$. ELEFANT: Emerging Leaders and Evolving Frontiers in Analytic Number Theory. Hausdorff Center for Mathematics, Bonn, Germany, July 2014.

36. Mahler measure and special values of L-functions. 5th Montréal-Toronto Workshop in Number Theory. Fields Institute, Toronto, Ontario, Canada, November 2013.

35. Mahler measure and special values of L-functions of elliptic curves. Workshop on Number Theory with a view towards Transcendence and Diophantine Approximation. University of Ottawa, Ottawa, Ontario, Canada, June 2013.

34. Statistics for the number of points of Artin–Schreier curves over finite fields. AMS Special Session on L-functions and Arithmetic Geometry. 2013 Joint Mathematics Meetings, San Diego, California, USA, January 2013.

33. A curious secant sum. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, September 2012.

32. Mahler measures of some $K3$ surfaces. Invited Special Session. Canadian Number Theory Association XII Meeting, University of Lethbridge, Lethbridge, Alberta, Canada, June 2012.

31. Distribution of zeta zeroes of Artin–Schreier curves. Hawaii Conference in Algebraic Number Theory, Arithmetic Geometry and Modular Forms. University of Hawaii, Honolulu, Hawaii, USA, March 2012.

30. Mahler measures of some $K3$ surfaces. AMS Special Session on Arithmetic Geometry. 2012 Spring Western Sectional Meeting, Honolulu, Hawaii, USA, March 2012.

29. Distribution of zeta zeros of Artin–Schreier curves. Scientific Session on Analytic Number Theory and Diophantine Approximation. 2011 CMS Winter Meeting, Toronto, Ontario, Canada, December 2011.

28. Unimodularity of roots of self-inversive polynomials. 3rd Montréal-Toronto Workshop in Number Theory. Fields Institute, Toronto, Ontario, October 2011.

27. Higher Mahler measure and Lehmer's question. Special Session on Arithmetic Aspects of Numerical Solving. 2011 SIAM Conference on Applied Algebraic Geometry. North Carolina State University, Raleigh, North Carolina, October 2011.

26. A proof of a conjecture concerning $\zeta(2j+1)/\pi^{2j+1}$. Special Session on Computational Number Theory. Applied Mathematics, Modeling and Computational Science conference (AMMCS-2011). Wilfrid Laurier University, Waterloo, Ontario, Canada, July 2011.

25. Relations between Mahler measure and special values of L-functions. Plenary Speaker. Cuartas Jornadas de Teoría de Números. Bilbao, Spain, July 2011.

24. Higher Mahler measure. Conference in Number Theory II: Advances in Modern Number Theory. Carleton University, Ottawa, Ontario, Canada, June, 2011.

23. Remarks on $\zeta(2j+1)/\pi^{2j+1}$ and variants of the Ramanujan polynomials. Scientific Session on L-Functions and Number Theory. 2011 CMS Summer Meeting, Edmonton, Alberta, Canada, June 2011.

22. Higher Mahler measures. Heights in Diophantine and Arakelov Geometry, Dynamical Systems and Computer Algebra (Heights 2011). Tossa del Mar, Spain, April 2011.

21. Higher Mahler measure and Lehmer's question. Scientific Session on Computational Number Theory. 2010 CMS Winter Meeting, Vancouver, British Columbia, Canada, December 2010.

20. Higher Mahler measure and Lehmer's question. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, October 2010.

19. Higher Mahler measure and Lehmer's question. Invited Special Session. Canadian Number Theory Association XI Meeting, Acadia University, Wolfville, Nova Scotia, Canada, July 2010.

18. Higher Mahler measures. AMS Special Session on Geometric Aspects of Link and 3-manifold Invariants. 2010 Joint Mathematics Meetings, San Francisco, California, USA, January 2010.

17. Statistics for traces of cyclic trigonal curves over finite fields. Scientific Session on Number Theory. 2009 CMS Winter Meeting, Windsor, Ontario, Canada, December 2009.

16. Higher Mahler measures. Workshop on Discovery and Experimentation in Number Theory. Fields Institute, Toronto, Ontario, and IRMACS, Simon Fraser University, Burnaby, British Columbia, Canada, September 2009.

15. Mahler measures under variations of the base group. Zetas and Limit Laws 2008. Okinawa Convention Center, Okinawa, Japan, November 2008.

14. Higher Mahler measures. Zetas and Limit Laws 2008. Okinawa Convention Center, Okinawa, Japan, November 2008.

13. Higher Mahler measures. Number Theory Day at the University of Lethbridge. University of Lethbridge, Lethbridge, Alberta, Canada, May 2008.

12. Hyperbolic volumes and zeta values, an introduction. Session on Algebraic Topology and Algebraic Geometry. Annual North/South Dialogue in Mathematics, Calgary, Alberta, Canada, May 2008.

11. Mahler measures in group rings. ABC Algebra Workshop. Simon Fraser University, Burnaby, British Columbia, Canada, April 2008.

10. Mahler measures under variations of the base group. AMS Special Session on Number Theory and Applications in Other Fields. Spring Southeastern Meeting, Baton Rouge, Louisiana, USA, March 2008.

9. Functional equations for Mahler measures of genus-one curves. Mahler Measures conference. Tokyo Institute of Technology, Tokyo, Japan, December 2007.

8. Regulators and computations of Mahler measures. Mahler Measures conference. Tokyo Institute of Technology, Tokyo, Japan, December 2007.

7. Mahler measure under variations of the base group. Low-dimensional Topology and Number Theory. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, October 2007.

6. Polylogarithms and hyperbolic volumes. Hyperbolic Volume 2007. University of Fribourg, Fribourg, Switzerland, July 2007.

5. Mahler measure under variations of the base group. A second time around the Volume Conjecture. Louisiana State University, Baton Rouge, Louisiana, USA, June 2007.

4. On the Mahler measure of resultants in small dimensions. AMS Special Session on Mahler Measure and Heights. 2006 Joint Mathematics Meetings, San Antonio, Texas, USA, January 2006.

3. Regulators and computations of Mahler measure. Mahler Measure in Mobile. University of South Alabama, Mobile, Alabama, USA, January 2006.

2. An algebraic integration for Mahler measure. Variations on Mahler's Measure. Centre International de Rencontres Mathématiques (CIRM), Luminy, France, June 2005.

1. Examples of Mahler Measures as Multiple Polylogarithms. The Many Aspects of Mahler's Measure. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, April 2003.

INVITED SEMINAR/COLLOQUIUM TALKS

60. Sums of the divisor function and random matrix distributions, Department of Mathematics and Statistics Colloquium, Queen's University, Kingston, Ontario, Canada, February 2024.

59. A moment with L-functions. Colloquium, Arizona State University, Tempe, Arizona, USA, February 2024.

58. A moment with L-functions. Colloquium, Oklahoma State University, Stillwater, Oklahoma, USA, August 2023.

57. Evaluations of the areal Mahler measure of multivariable polynomials. Number Theory Seminar, Oklahoma State University, Stillwater, Oklahoma, USA, August 2023.

56. The distribution of values of cubic L-functions at $s = 1$. FRG Grad Seminar "Averages of L-functions and Arithmetic Stratification", American Institute of Mathematics, San José, California, USA, April 2023, (remote talk).

55. A moment with L-functions. PIMS Mathematical and Statistical Sciences Colloquium, University of Alberta, Edmonton, Alberta, Canada, April 2023.

54. Sums of the divisor function and random matrix distributions. Colloque des sciences mathématiques du Québec, Centre de recherches mathématiques, Montréal, Québec, Canada, March 2023.

53. A moment with L-functions. Women in Math (WiM) Winter Colloquium, University of Waterloo, Waterloo, Ontario, Canada, February 2023.

52. Sums of the divisor function and random matrix distributions. Pure Math Colloquium, University of Waterloo, Waterloo, Ontario, Canada, February 2023.

51. Sums of the divisor function associated to symplectic and orthogonal regimes. Number Theory Web Seminar, February 2023 (remote talk).

50. A moment with L-functions. PIMS Network-Wide Colloquium, University of British Columbia, Vancouver, British Columbia, Canada, May 2022. (Part of the 2022 Celebration of Women in Mathematics.)

49. On the Northcott property of L-functions over function fields. Number Theory Seminar, University of British Columbia, Vancouver, British Columbia, Canada, February 2022 (remote talk due to COVID-19).

48. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Québec-Vermont Number Theory Seminar, Centre de recherches mathématiques, Montréal, Québec, Canada, October 2021.

47. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Algebra and Number Theory Seminar, The University of Mississippi, Oxford, Mississippi, USA, September 2021 (remote talk due to COVID-19).

46. Non-vanishing for cubic L-functions over function fields. Number Theory Seminar, The Ohio State University, Columbus, Ohio, USA, November 2020 (remote talk due to COVID-19).

45. Moments and non-vanishing for cubic L-functions. Virtual Number Theory Seminar, Queen's University, Kingston, Ontario, Canada, October 2020 (remote talk due to COVID-19).

44. Non-vanishing of cubic Dirichlet L-functions over function fields. Seminar on Averages of L-functions and Arithmetic Stratification, American Institute of Mathematics, San José, California, USA, August 2020 (remote talk due to COVID-19).

43. Non-vanishing of cubic Dirichlet L-functions at $s = 1/2$. LaTeN-Seminario Latinoamericano de Teoría de Números, July 2020 (remote series organized in response to COVID-19).

42. The non-vanishing of cubic Dirichlet L-functions. A talk given at "Fundamentals of Number Theory" class, hosted by S. Akhtari, University of Oregon, Eugene, Oregon, USA, May 2020 (remote talk due to COVID-19).

41. Moments (and non-vanishing) of cubic L-functions over function fields. Algebra/Number Theory Seminar, University of Rochester, Rochester, New York, USA, March 2020.

40. The mean value of cubic L-functions over function fields. Number Theory / Representation Theory Seminar, University of Wisconsin, Madison, Wisconsin, USA, May 2018.

39. L-functions and Mahler measure: Number Theory and beyond. Lethbridge PIMS Distinguished Speakers Series, University of Lethbridge, Alberta, Canada, March 2018.

38. Mahler measure and special values of L-functions. Five College Number Theory Seminar, University of Massachusetts, Amherst, Massachusetts, USA, March 2018.

37. A geometric generalization of the square sieve and applications to cyclic covers. Number Theory Seminar, University of British Columbia, Vancouver, British Columbia, Canada, November 2017.

36. Special values of L-functions of elliptic curves arising from Mahler measure. Analytic Number Theory Seminar, Nagoya University, Nagoya, Japan, April 2016.

35. The distribution of points on cyclic ℓ-covers of genus g. Number Theory Seminar, Duke University, Durham, North Carolina, USA, February 2016.

34. The distribution of points on cyclic ℓ-covers of genus g. Number Theory Seminar, University of Waterloo, Waterloo, Ontario, Canada, January 2016.

33. L-functions of elliptic curves arising from Mahler measure. Colloquium, Mathematics, Indian Institute of Science Education and Research (IISER), Pune, India, December 2015.

32. The Mahler measure of elliptic curves. Number Theory Seminar, University of British Columbia, Vancouver, British Columbia, Canada, November 2015.

31. Mahler measure and special values of L-functions. Number Theory Seminar, Dalhousie University, Halifax, Nova Scotia, Canada, April 2013.

30. Mahler measure and special values of L-functions. Collaborative Number Theory Seminar, The Graduate Center, The City University of New York, New York, USA, March 2013.

29. Mahler measures of some $K3$-surfaces. Number Theory Seminar, University of Waterloo, Waterloo, Ontario, Canada, August 2012.

28. Mahler measures as special values of L-functions. Colloque des mathématiques de Montréal CRM-ISM, Montréal, Québec, Canada, February 2011.

27. Some aspects of higher Mahler measure. Number Theory Seminar, University of Rochester, Rochester, New York, USA, October 2010.

26. On higher Mahler measures. Québec-Vermont Number Theory Seminar, Concordia University, Montréal, Québec, Canada, November 2009.

25. So you think you can count? (Statistics for traces of cyclic trigonal curves over finite fields). MIT Women in Mathematics Lecture Series, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA, February 2009.

24. Mahler measure and special values of L-functions. Seminar, Université de Montréal, Montréal, Québec, Canada, October 2008.

23. Mahler measure and regulators. Colloquium, University of Calgary, Calgary, Alberta, Canada, March 2008.

22. Mahler measure and regulators. Québec-Vermont Number Theory Seminar, McGill University, Montréal, Québec, Canada, March 2008.

21. Hyperbolic volumes and random walks in Cayley graphs. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, December 2007.

20. Functional equations for Mahler measures of genus-one curves. Algebraic Geometry Seminar, University of Chicago, Chicago, Illinois, USA, April 2007.

19. Mahler measure and regulators. Special Seminar, University of Alberta, Edmonton, Alberta, Canada, March 2007.

18. Functional equations for Mahler measures of genus-one curves. Topology Seminar, Louisiana State University, Baton Rouge, Louisiana, USA, November 2006.

17. Mahler measure of multivariable polynomials. Pure Mathematics Research Seminar, University of East Anglia, Norwich, England, August 2006.

16. Functional equations for Mahler measures of genus-one curves. Heilbronn Seminar Series, University of Bristol, Bristol, England, August 2006.

15. Some aspects of the multivariable Mahler measure. Séminaire de théorie des nombres de Chevaleret, Institut de mathématiques de Jussieu, Paris, France, June 2006.

14. Mahler measure and evaluations of regulators. Barcelona Number Theory Seminar, Facultat de Matemàtiques i Estadística de la Universitat Politècnica de Catalunya, Barcelona, Spain, June 2006.

13. Mahler measure and evaluations of regulators. MSRI-UC Berkeley Number Theory Seminar, Mathematical Sciences Research Institute, Berkeley, California, USA, May 2006.

12. Mahler measure of multivariable polynomials and polylogarithms. Geometry-Topology Seminar, Georgia Institute of Technology, Atlanta, Georgia, USA, April 2006.

11. Multivariable Mahler measure and regulators. Members Seminar, Institute for Advanced Study, Princeton, New Jersey, USA, March 2006.

10. Some aspects of the multivariable Mahler measure. Topology Seminar, Louisiana State University, Baton Rouge, Louisiana, USA, March 2006.

9. Mahler measures as values of regulators. SFU/UBC Number Theory Seminar, University of British Columbia, Vancouver, British Columbia, Canada, February 2006.

8. Mahler measure and values of regulators. Members Seminar, Institute for Advanced Study, Princeton, New Jersey, USA, October 2005.

7. Some aspects of Mahler measure. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, July 2005.

6. Mahler measure of several-variable polynomials. Oberseminar Geometrie, University of Fribourg, Fribourg, Switzerland, June 2005.

5. Mahler measure and 3-hyperbolic volumes. Oberseminar Geometrie, University of Fribourg, Fribourg, Switzerland, June 2005.

4. Some aspects of Mahler measure. Number Theory Seminar, Texas A&M University, College Station, Texas, USA, March 2005.

3. Some aspects of Mahler measure. Colloquium, University of Colorado at Boulder, Boulder, Colorado, USA, February 2005.

2. On Mahler measure of several-variable polynomials and polylogarithms. Zeta Functions Seminar, University of California at Berkeley, Berkeley, California, USA, May 2004.

1. Introduction to Mahler Measure. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, July 2003.

INVITED GENERAL AUDIENCE TALKS

22. Ellipses, elliptic curves, secrets, and a million dollars. ASU chapter for the Association for Women in Mathematics, Arizona State University, Tempe, Arizona, USA, February 2024.

21. The unreal world of p-adic numbers. Club mathématique, Université de Montréal, Montréal, Québec, Canada, November 2023.

20. United for the divisor function. Seminars in Undergraduate Mathematics in Montréal, Université de Montréal, Québec, Canada, January 2023.

19. The mathematics of Rubik's cube. European Girls' Mathematical Olympiad (EGMO) Days, Fields Institute, Toronto, Ontario, Canada, April 2022 (remote talk).

18. Questions of triangles of all shapes. Club mathématique, Université de Montréal, Montréal, Québec, Canada, March 2022.

17. Ellipses, Elliptic Curves, and a million dollars. Sixth Virtual Meeting with Outstanding Mathematicians, Panamanian Foundation for the Promotion of Mathematics (FUNDAPROMAT), Panama, July 2020 (remote series organized in response to COVID-19).

16. Transcending rationality. Club mathématique, Université de Montréal, Montréal, Québec, Canada, February 2020.

15. From ζ to L. Seminars in Undergraduate Mathematics in Montréal, Université de Québec à Montréal, Québec, Canada, January 2020.

14. Triangles, quadrilaterals, and elliptic curves. Club mathématique, Université de Montréal, Montréal, Québec, Canada, March 2019.

13. The Riemann hypothesis is true!(*). Club mathématique, Université de Montréal, Montréal, Québec, Canada, April 2018.

12. Ellipses, elliptic curves, secrets, and a million dollars. Club mathématique, Université de Montréal, Montréal, Québec, Canada, September 2016.

11. The mathematics of Rubik's cube. Women in Math Winter Lecture, University of Waterloo, Waterloo, Ontario, Canada, January 2016.

10. Journey into the world of the dilogarithm. Club mathématique, Université de Montréal, Montréal, Québec, Canada, November 2015.

9. We continue with continued fractions. Club mathématique, Université de Montréal, Montréal, Québec, Canada, November 2014.

8. The unreal world of p-adic numbers. Club mathématique, Université de Montréal, Montréal, Québec, Canada, March 2014.

7. The mathematics of Rubik's cube. Seminars in Undergraduate Mathematics in Montréal, Concordia University, Montréal, Québec, Canada, January 2014.

6. The mathematics of Rubik's cube. Mathematics Summer Research Workshop, Champlain College, St-Lambert, Québec, Canada, June 2012.

5. The many aspects of Mahler measure: Number theory and beyond, Summer School, Institut des sciences mathématiques, Montréal, Québec, Canada, May 2012.

4. The mathematics of Sudoku. Club mathématique, Université de Montréal, Montréal, Québec, Canada, April 2012.

3. The mathematics of Rubik's cube. Club mathématique, Université de Montréal, Montréal, Québec, Canada, April 2011.

2. The Riemann Hypothesis. Graduates of Alberta Mathematics Etc. (GAME) Seminar, Special Series on History of Mathematics, University of Alberta, Edmonton, Alberta, Canada, March 2008.

1. Introduction to modular forms. Graduate Topology class at Louisiana State University, Baton Rouge, Louisiana, USA, November 2006.

OTHER TALKS

33. Moments of Artin–Schreier L-functions. AMS Contributed Paper Session on Number Theory and Related Topics. 2024 Joint Mathematics Meetings, San Francisco, California, USA, January 2024.

32. The distribution of values of cubic L-functions at $s = 1$. Maine-Québec Number Theory Conference. University of Maine, Orono, Maine, USA, September 2023.

31. On the Northcott property for zeta functions over number fields and beyond. AMS Special Session on Arithmetic Geometry Informed by Computation. 2023 Joint Mathematics Meetings, Boston, Massachusetts, USA, January 2023.

30. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic and orthogonal distributions. Workshop on Number Theory and Physics. Simons Center for Geometry and Physics, State University of New York, Stony Brook, New York, USA, October 2022.

29. Aspects of dynamical Mahler measure. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, October 2022.

28. Sums of certain arithmetic functions over function fields and symplectic distributions. WCNT 2021: Problems in Number Theory. West Coast Number Theory Conference, California, USA, December 2021, (remote talk due to COVID-19).

27. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Maine-Québec Number Theory Conference. University of Maine, Orono, Maine, USA, October 2021, (remote talk due to COVID-19).

26. Sums of certain arithmetic functions over $\mathbb{F}_q[T]$ and symplectic distributions. Annual meeting of the Unión Matemática Argentina (virtUMA 2021), Mendoza, Argentina, September 2021, (remote talk due to COVID-19).

25. Hyperbolic triangles and elliptic curves. Scientific Session on Number Theory. XVI Congreso Dr. Antonio Monteiro, Universidad Nacional del Sur, Bahía Blanca, Argentina, May-June 2021, (remote talk due to COVID-19).

24. Non-vanishing for cubic L-functions. Conférence de Théorie des Nombres Québec-Maine. Université Laval, Québec, Québec, Canada, September 2020, (remote talk due to COVID-19).

23. Non-vanishing for cubic L-functions over function fields. PAlmetto Joint Arithmetic, Modularity, and Analysis Series (PAJAMAS), Columbia, South Carolina, USA, September 2020, (remote talk due to COVID-19).

22. Ceva points of (almost) equilateral triangles. Scientific Session on Algebra and Geometry. Annual meeting of the Unión Matemática Argentina (virtUMA 2020), Buenos Aires, Argentina, September 2020, (remote talk due to COVID-19).

21. The Mahler measure of a genus 3 family. Connecticut Summer School in Number Theory (CTNT), University of Connecticut, Storrs, Connecticut, USA, June 2020, (remote talk due to COVID-19).

20. The mean value of cubic L-functions over function fields. Canadian Number Theory Association XV Meeting, Université Laval, Québec, Québec, Canada, July 2018.

19. Mahler measure for arbitrary tori. Low-Dimensional Topology and Number Theory. Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, Germany, August 2017.

18. The Mahler measure of elliptic curves. Algebraic cycles and moduli. Centre de recherches mathématiques, Montréal, Québec, Canada, June 2016.

17. Higher Mahler measure of certain n-variable families. Sextas Jornadas de Teoría de Números. Valladolid, Spain, June 2015.

16. The square sieve. WIN3 Women in Numbers 3. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, April 2014.

15. Introduction to Mahler measure. WIN2 Women in Numbers 2. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, November 2011.

14. Higher Mahler measure as a Massey product in Deligne Cohomology. Low-Dimensional Topology and Number Theory. Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, Germany, August 2010.

13. Statistics for the number of points on cyclic trigonal curves and other families of curves over finite fields. West End Number Theory Seminar, University of Calgary, University of Alberta, and University of Lethbridge (web-broadcast), Alberta, Canada, February 2010.

12. On a conjecture by Boyd. Canadian Number Theory Association X Meeting, University of Waterloo, Waterloo, Ontario, Canada, July 2008.

11. Mahler measure and hyperbolic volumes. Algebra Seminar, University of Alberta, Edmonton, Alberta, Canada, November 2007.

10. Variations of the base group in Mahler measure. Segundas Jornadas de Teoría de Números, Madrid, Spain, July 2007.

9. Mahler measure under variations of the base group. Number Theory Lunch Seminar, Max-Planck-Institut für Mathematik, Bonn, Germany, July 2007.

8. Functional equations for Mahler measures of genus-one curves. 25th Journées Arithmétiques, University of Edinburgh and ICMS, Edinburgh, Scotland, UK, July 2007.

7. Functional equations for Mahler measures of genus-one curves. SFU/UBC Number Theory Seminar, University of British Columbia, Vancouver, British Columbia, Canada, October 2006.

6. Functional equations for Mahler measures of genus-one curves. Number Theory Lunch Seminar, Max-Planck-Institut für Mathematik, Bonn, Germany, August 2006.

5. Mahler measure of polynomials. Postdoc Seminar, Mathematical Sciences Research Institute, Berkeley, California, USA, April 2006.

4. Project Talk: Multi-zeta values. Arizona Winter School, Fundamental Groups in Arithmetic, Albuquerque, New Mexico, USA, March 2005.

3. Project Talk: Periods and Zeta Functions. Arizona Winter School, Number Theory and Physics, Austin, Texas, USA, March 2004.

2. Examples of Mahler Measures as special values of the Riemann Zeta function and L-series. Mahler's Measure of Polynomials. Simon Fraser University, Burnaby, British Columbia, Canada, June 2003.

1. Project Talk: Hilbert's Tenth Problem for Rings of Integers of Number Fields. Arizona Winter School, Logic and Number Theory, Tucson, Arizona, USA, March 2003.

ACADEMIC SERVICE
CONFERENCE/SEMINAR ORGANIZATION AND SCIENTIFIC COMMITTEES

- Co-Organizer (with G. Mantilla-Soler and A. Pizarro-Madariaga). MCA Special Session on Number Theory through the Americas. Mathematical Congress of the Americas 2025, Miami, Florida, USA, July 2025.

- Co-organizer (with L. Devin, A. Granville, and D. Koukoulopoulos). Analytic Number Theory and Arithmetic Statistics, celebrating the mathematical contributions of Chantal David. Centre de recherches mathématiques, Montréal, Québec, Canada, August 2024.

- Co-organizer (with T. Abdelgadir, A. Pacetti, and A. Salerno). Arithmetic Geometry and Applications (a conference in honor of Fernando Rodriguez-Villegas). The Abdus Salam International Centre of Theoretical Physics (ICTP), Trieste, Italy, July 2024.

- Scientific Committee member (A. Botero, G. Freixas, A. Navarro, and M. Sombra, organizers). Global invariants of arithmetic varieties. Centre international de rencontres mathématiques (CIRM), Luminy, France, October 2023.

- Scientific Board (J Caicedo, L Cárdenas, Y. Pitones, and M. Sandoval-Miranda, organizers) ICMAM (International Society for Analysis, its Applications and Computation), Latin America Satellite Conference on Algebra, Combinatorics and Number Theory, September 2023.

- Co-organizer (with B. Conrey, G. Mussardo, and G. Sierra). Number Theory and Physics. Workshop and Program. Simons Center for Geometry and Physics, State University of New York, Stony Brook, New York, USA, October-November 2022.

- Co-organizer (with C. David, D. Koukoulopoulos, J. Maynard, K. Ono, and K. Soundararajan). A celebration of Analytic Number Theory, a conference in honor of Andrew Granville's 60th birthday. Centre de recherches mathématiques, Montréal, Québec, Canada, September 2022.

- Co-organizer (with A. Ciupeanu, B. Csima, A. Hurford, J. Lin, K. Meagher, and N. Morrison). Careers in Math Workshop, CMS Women in Mathematics Committee, Canada, June 2022 (remote conference).

- Co-organizer (with C. David and W. Li). CMS Scientific Session on Arithmetic Statistics. 2021 CMS Winter Meeting, Vancouver, British Columbia, Canada, December 2021 (remote conference due to COVID-19).

- Co-organizer (with C. Araujo, G. Araujo, P. Bonfert-Taylor, E. Ellis, S. Kingan, G. Ovando, E. Pariguan and A. Vera-Gajardo). Pan-American meeting of the IMU-CWM Ambassadors (Committee for Women in Mathematics of the International Mathematical Union). November 2021 (remote conference due to COVID-19).

- Scientific Committee member. AGRA IV (Arithmetic, Groups, and Analysis) Summer School, Rio de Janeiro, Brazil, August 2021 (held remotely due to COVID-19) and Cabo Frio, Brazil, June 2022 (in person).

- Co-organizer (with A. Ciupeanu, B. Csima, A. Hurford, J. Lin, K. Meagher, and N. Morrison). CMS Women in Mathematics Committee Breakout Session - Balancing Mathematics and Life in COVID times. 2021 CMS Summer Meeting, Ottawa, Ontario, Canada, June 2021 (remote conference due to COVID-19).

- Co-organizer (with L. Campbell, A. Fraser, K. Meagher, and L. Moura). CWiMAC 2021 (Connecting Women in Mathematics Across Canada), Ottawa, Ontario, Canada, (planned for June 2020 but delayed to June 2021 due to COVID-19).

- Co-organizer (with D. Barrera, A. Pacetti, and G. Tornaría). LaTeN-Seminario Latinoamericano de Teoría de Números. March 2021-June 2022 (remote series of international number theory talks in Spanish and Portuguese organized in response to COVID-19).

- Co-organizer (with R. Choksi, J. Lin, and A. Stancu). Women in Mathematics during the time of COVID. Centre de recherches mathématiques, Montréal, Québec, Canada, March 2021 (remote one-day workshop organized in response to COVID-19).

- Co-organizer (with C. David and J. Wang). CMS Scientific Session on Arithmetic Statistics. 2020 CMS Winter Meeting, Montréal, Québec, Canada, December 2020 (remote conference due to COVID-19).

- Scientific Committee member. Canadian Number Theory Association XVI Meeting, Toronto, Ontario, Canada, (planned for June 2020 but cancelled due to COVID-19).

- Scientific Organizing Committee member. 2019 CMS Winter Meeting, Toronto, Ontario, Canada, December 2019.

- Co-Organizer (with C. Doran, M. Kerr, J. D. Lewis, and G. Pearlstein). Hodge Theory, Arithmetic, and Moduli. University of British Columbia, Vancouver, British Columbia, Canada, May 2019.

- Selection and Organization Committee member. AWM Poster Session for graduate students. 2019 Joint Mathematics Meetings, Baltimore, Maryland, USA, January 2019.

- Scientific Organizing Committee member. 2018 CMS Winter Meeting, Vancouver, British Columbia, Canada, December 2018.

- Scientific Committee member. Canadian Number Theory Association XV Meeting, Université Laval, Québec, Québec, Canada, July 2018.

- Co-organizer (with A. Hamieh). CMS Scientific Session on Number Theory. 2018 CMS Summer Meeting, Fredericton, New Brunswick, Canada, June 2018.

- Selection and Organization Committee member. AWM Poster Session for graduate students. 2018 Joint Mathematics Meetings, San Diego, California, USA, January 2018.

- Judge. AARMS-CMS Graduate Student Poster Session. 2017 CMS Winter Meeting, Waterloo, Ontario, Canada, December 2017.

- Judge. MCA Student Poster Session. Mathematical Congress of the Americas 2017, Montréal, Québec, Canada, July 2017.

- Co-Organizer (with A. Salerno). MCA Special Session on Arithmetic Geometry and Related Topics. Mathematical Congress of the Americas 2017, Montréal, Québec, Canada, July 2017.

- Scientific Committee member. Séptimas Jornadas de Teoría de Números, Lleida, Spain, June 2017.

- Selection and Organization Committee member. AWM Poster Session for graduate students. 2017 Joint Mathematics Meetings, Atlanta, Georgia, USA, January 2017.

- Co-Organizer (with P. Brosnan, M. Kerr, R. Laza, J. D. Lewis, G. Pearlstein, and C. Robles). Algebraic cycles and moduli. Centre de recherches mathématiques, Montréal, Québec, Canada, June 2016.

- Scientific Committee member. Arithmetic L-functions and Differential Geometric Methods (Regulators IV), IMJ-PRG, Paris, France, May 2016.

- Co-Organizer (with M. Manes and C. Vincent). AMS Special Session on Number Theory and Cryptography. 2016 Joint Mathematics Meetings, Seattle, Washington, USA, January 2016.

- Co-Organizer (with D. Fiorilli, N. Jones, and D. Koukoulopoulos). CMS Scientific Session on Analytic Number Theory. 2015 CMS Winter Meeting, Montréal, Québec, Canada, December 2015.

- Scientific Committee member. Sextas Jornadas de Teoría de Números, Valladolid, Spain, June-July 2015.

- Judge. Poster Session for graduate students and recent PhDs. AWM Research Symposium 2015, College Park, Maryland, USA, April 2015.

- Co-Organizer (with W. Ho and J. Fuselier). Special Session on Number Theory. AWM Research Symposium 2015, College Park, Maryland, USA, April 2015.

- Co-Organizer (with H. Darmon and W. Zudilin). Regulators, Mahler measures, and special values of L-functions. Thematic Year on Number Theory, from Arithmetic statistics to Zeta elements. Centre de recherches mathématiques, Montréal, Québec, Canada, February 2015.

- Steering Committee member. Two Weeks at WATERLOO II - A Summer School for Women in Math. University of Waterloo, Waterloo, Ontario, Canada, August 2014.

- Co-Organizer (with F. Luca and N. Pitt). MCA Special Session on Number Theory. Mathematical Congress of the Americas 2013, Guanajuato, Mexico, August 2013.

- Scientific Committee member. Quintas Jornadas de Teoría de Números, Sevilla, Spain, July 2013.

- Co-Organizer (with C. David and A. Granville). CMS Scientific Session on Analytic Number Theory. 2012 CMS Winter Meeting, Montréal, Québec, Canada, December 2012.

- Co-Organizer (with C. David and M. Manes). Women in Numbers 2. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, November 2011.

- Co-Organizer (with A. Bucur and C. David). AMS Special Session on L-Functions and Analytic Number Theory. 2010 Joint Mathematics Meetings, San Francisco, California, USA, January 2010.

- Collaborated in the organization (main organizers: G. Cliff and J. Kuttler). PIMS Undergraduate Algebra Summer School 2009, University of Alberta, Edmonton, Alberta, Canada, May 2009.

- Co-Organizer (with N. Bruin and G. Martin). AMS Special Session on West End Number Theory. 2008 Fall Western Sectional Meeting, University of British Columbia and the Pacific Institute of Mathematical Sciences, Vancouver, British Columbia, Canada, October 2008.

- Co-Organizer (with J. D. Lewis and X. Chen). Regulators and Heights in Algebraic Geometry, University of Alberta, Edmonton, Alberta, Canada, April 2008.

- Organizer. Ivan and Betty Niven Distinguished Lectures, University of British Columbia, Vancouver, British Columbia, Canada, March 2007.

- Organizer. Research Seminar, Zeta functions all the way. Program for Women and Mathematics. Institute for Advanced Study and Princeton University, Princeton, New Jersey, USA, May 2006.

- Co-Organizer (with C. D. Sinclair). Junior Number Theory Seminar, University of Texas at Austin, Texas, USA, January-May 2004.

SERVICE FOR INSTITUTES, GRANTING AGENCIES, AND PROFESSIONAL SOCIETIES

- Committee on Meetings and Conferences. American Mathematical Society (AMS), Council Representative, 2024-2027.

- Member at Large. Council. American Mathematical Society (AMS), 2024-2027.

- Nominating Committee. Canadian Mathematical Society (CMS), Member, 2024-2027.

- IMU Committee for Women in Mathematics (CWM), International Mathematical Union, Member 2023-2026, Ambassador for Canada since August 2016.

- Evaluation Committee. Program for College Research-Mathematics, Physics, and Computer Science, Fonds de Recherche du Québec–Nature et technologies (FRQNT), 2022.

- Panelist. National Science Foundation (NSF), 2010, 2021.

- Board of Directors. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), since October 2019.

- Vice-President - Québec. Executive Committee. Canadian Mathematical Society (CMS), 2019-2023.

- Board of Directors. Canadian Mahematical Society (CMS), Director - Québec 2017-2019, Director-VP - Québec 2019-2023, Director - Québec 2023-2027.

- Reconciliation in Mathematics Committee. Canadian Mathematical Society (CMS), President's Delegate, 2020-2023.

- Women in Mathematics Committee. Canadian Mathematical Society (CMS), President's Delegate, 2019-2023.

- Local Scientific Committee. Centre de recherches mathématiques (CRM), 2018-2023.

- Equity, Diversity, and Inclusion Committee. Centre de recherches mathématiques (CRM), 2020-2022.

- Department Ambassador. Canadian Mathematical Society (CMS), since December 2018.

- Discovery Grants Program, 1508 - Mathematics and Statistics Evaluation Group (EG). Natural Sciences and Engineering Research Council of Canada (NSERC), Member 2017-2018, Incoming Co-chair (Pure Math) 2018-2019, Co-chair (Pure Math) 2019-2020.

- Selection Committee. Carl Herz Prize, Institut des sciences mathématiques (ISM), 2016, 2020.

- Joint Mathematics Meetings Committee. Association for Women in Mathematics (AWM), Member 2016-2018, Chair 2018-2019.

- Meetings Committee. Association for Women in Mathematics (AWM), 2016-2019.

- Faculty Sponsor. Association for Women in Mathematics (AWM) Montréal Student Chapter, 2016-2018.

- Evaluation Committee Chair. Master's fellowships in Mathematics, Fonds de Recherche du Québec–Nature et technologies (FRQNT), 2016, 2017 (two consecutive years).

- Program Committee. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), 2015, 2016, 2017 (three consecutive years).

- Scientific Advisory Board. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), 2015, 2016, 2017 (three consecutive years).

- CRM-ISM postdoctoral fellowship Selection Committee. Centre de recherches mathématiques-Institut des sciences mathématiques, 2013, 2014, 2019.

- Steering Committee. Women in Numbers, since November 2011.

- Reviewer. National Security Agency (NSA), 2010, 2011; Discovery Grants, Natural Sciences and Engineering Research Council of Canada (NSERC) 2014, 2017; National Evaluation and Foresight Agency (ANEP), Spain, 2015; Israel Science Foundation (ISF), 2018; Fondo para la Investigación Científica y Tecnológica (FONCyT), Argentina, 2019; MATH-AmSud, France and South American countries, 2019; National Fund for Scientific and Technological Development (FONDECYT), National Commission for Scientific and Technological Research (CONICYT), Chile, 2019; workshop EDI component, Banff International Research Station for Mathematical Innovation and Discovery (BIRS), 2021.

EDITORIAL AND REVIEW SERVICE

- Associate Editor. Canadian Journal of Mathematics and Canadian Mathematical Bulletin, 2022-2026.

- Associate Editor. La Matematica, since 2021.

- Editor. Revista de la Unión Matemática Argentina, since 2021.

- Editor. International Journal of Number Theory, since 2020.

- Editor. Publications Mathématiques de Besançon - Algèbre et Théorie des Nombres, since 2019.

- Editor (with J. Balakrishnan, A. Folsom, and M. Manes). Proceedings of WIN4–Women in Number Theory, 2017-2019.

- Editor (with C. David and M. Manes). Proceedings of WIN2–Women in Number Theory, 2012-2013.

- Referee for The Ramanujan Journal; Journal of Number Theory; Experimental Mathematics; Journal of Symbolic Computation; International Symposium on Symbolic and Algebraic Computation 2007; IV Latin-American Algorithms, Graph, and Optimization Symposium 2007; American Mathematical Monthly; Proceedings of the American Mathematical Society; Canadian Mathematical Bulletin; Mathematical Proceedings of the Cambridge Philosophical Society; 10th Algorithmic Number Theory Symposium; Rocky Mountain Journal of Mathematics; Acta Arithmetica; International Mathematics Research Notices; Algebra and Number Theory; Journal of the London Mathematical Society; Annales mathématiques du Québec; Canadian Journal of Mathematics; Proceedings of the London Mathematical Society; Transactions of the American Mathematical Society; Uniform Distribution Theory; Mathematische Zeitschrift; Publicacions Matemàtiques; International Journal of Number Theory; Ergodic Theory and Dynamical Systems; Proceedings of the Edinburgh Mathematical Society; Research in Number Theory; Hardy-Ramanujan Journal; Finite Fields and Their Applications; Journal of Combinatorics and Number Theory; Moscow Journal of Combinatorics and Number Theory; AIMS Mathematics; Journal of Mathematical Analysis and Applications; Experimental Mathematics; Publicationes Mathematicae Debrecen; Journal de Théorie de Nombres de Bordeaux; Revista Matematica Iberoamericana; Journal of Integer Sequences; Quarterly Journal of Mathematics; Notes on Number Theory and Discrete Mathematics; The American Mathematical Monthly; Functiones et Approximatio, Commentarii Mathematici.

- Reviewer for Mathematical Reviews, Zentralblatt MATH.

UNIVERSITY SERVICE

- Department Committee Member (Université de Montréal): Honor Theses Committee (MAT4000) 2023-2024; Hiring Departmental Committee 2022-2023 (Assistant Professorship in Algebraic Geometry); Scientific Committee of the Chair Courtois, Member 2021-present; Putnam Exam Committee, Chair 2010-2013, Member 2014-2015, Chair 2017-2021; Synthesis Exam in Algebra, Chair 2014-2015, Member 2016-2017, Chair 2017-2021, 2022-2024; Equity, Diversity and Inclusion Committee, 2020-2021, 2022-2024; Promotion to Full Professor, 2020; Alma-mater, Prizes, Distinctions, and Alumni, 2014-2015, 2016-2017; Graduate Studies in Mathematics, 2016-2017; Evaluation of Probationary Lecturers, 2016-2017; Evaluation of NSERC CGS-Scholarship Applications, 2017; Promotion to Associate Professor with Tenure, 2016; Reform of the General Synthesis Exam in Mathematics, 2015; Reform of the Synthesis Exam in Algebra, 2015; Inter-University Exchange Program, 2014-2015; Assistant Professor Renewal, 2014; Mathematics Graduate Students Seminar 2012-2013; Scientific Council 2012; Hiring Departmental Committee 2011-2012 (Assistant Professorship in Analytic Number Theory). (University of Alberta): Josephine M. Mitchell Scholarships Committee 2009-10 (Scholarships, Prizes, and Awards for graduate students); Hiring Departmental Committee 2009-10 (Assistant Professorship in Number Theory); Undergraduate Honors Committee 2008-09; Hiring Departmental Committee 2007-08 (Max Wyman Assistant Professorship in Number Theory)

- Faculty Committee Member: Representative for the Dean of the Faculty of Arts and Sciences in the Ph.D. Dissertation defenses of Federico Bobbio (January 2024) and Baptiste Saleil (July 2019), Department of Informatics and Operation Research, Université de Montréal; Internal member of the Chair Nomination Committee for the Department of Mathematics and Statistics, Université de Montréal 2016-17; External member of the Chair Nomination Committee for the Department of Physics, Université de Montréal 2012-13

EXTERNAL TEACHING

- Instructor. Analytic Number Theory @ UCI '22 (ANTeater ' 22), University of California, Irvine, California, USA, August 2022. Mini-course:"Sums of arithmetic functions and random matrix distributions" (4 hours).

- Instructor. 2022 CMS Summer Meeting, St. John's, Newfoundland, Canada, June 2022. Mini-course: "Introduction to arithmetics in function fields" (3 hours).

- Instructor. PIMS-SFU undergraduate summer school on multiple zeta values, Simon Fraser University, Burnaby, Canada, July 2014. Mini-course: "Applications of multizeta values to Mahler measure" (10 hours).

- Instructor. Two Weeks at WATERLOO - A Summer School for Women in Math. University of Waterloo, Waterloo, Ontario, Canada, August 2012. Mini-course: "Introduction to elliptic curves" (20 hours).

OUTREACH ACTIVITIES

- Interviewed by Ekin Ozman, CWM Newsletter, International Mathematical Union, Issue 10, December 2023.

- Co-organizer (with B. Csima and L. Moura). CMS Women in Math Speed Mentorship Luncheon. 2023 CMS Summer Meeting, Ottawa, Ontario, Canada, June 2023.

- Panelist. "Academic Jobs discussion". External invited panelist. Pizza luncheon. Department of Mathematical and Statistical Sciences, University of Alberta, Edmonton, Canada, April 2023.

- Instructor."The mathematics of Rubik's cube", Summer Math Camp "Découvrir le monde mathématique", Université de Montréal, June 2022. Animated a two-hour-long workshop for 40 college students.

- Panelist. "Overcoming fear of failure". Equity, Diversity and Inclusiveness in Math Luncheon. 2022 CMS Summer Meeting, St. John's, Newfoundland, Canada, June 2022.

- Panelist. "Strengthening mathematical interaction between female mathematicians from all over the world". I gave a presentation on "Women in Numbers: A research community". Global meeting of the IMU-CWM Ambassadors (Committee for Women in Mathematics of the International Mathematical Union). February 2022 (remote conference due to COVID-19).

- Guest. "Matemática Sentimental". A YouTube channel hosted by Antonio Cafure, July 2021. Channel's description: Learning, teaching and talking about Mathematics because Mathematics may very well be one of the forms of happiness.

- Co-Author (with A. Ciupeanu, B. Csima, A. Hurford, J. Lin, K. Meagher, and N. Morrison). "Survey on Balancing Mathematics and Life in the Time of COVID" distributed by the Canadian Mathematical Society (CMS), June 2021.

- Featured in "2020 Lathisms: Latinxs and Hispanics in the Mathematical Sciences" by Pamela E. Harris, Alicia Prieto Langarica, Vanessa Rivera Quiñones, Luis Sordo Vieira, Rosaura Uscanga, and Andrés R. Vindas Meléndez. Notices of the American Mathematical Society, Vol 67, No. 8, September 2020. Also featured in the 2020 Lathisms Calendar, September 16, 2020. Available at https://www.lathisms.org/calendar-2020/matilde-lalin.

- Co-host (with M. Manes). Tea - Time With a Number Theorist, "Funding opportunities and the review process with a focus on the NSF (US) and NSERC (Canada)". Part of a series of informal discussions aimed at junior number theorists within the community People Online In Number Theory (POINT), August 2020, (organized in response to COVID-19).

- Panelist. "Writing grants and funding", gave advice on NSERC grant applications to junior women in number theory. Women in Numbers 5. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, July 2020, (remote panel due to COVID-19).

- Panelist. "Applying to graduate school", gave advice about graduate school applications and differences between the American and Canadian systems.Connecticut Summer School in Number Theory (CTNT), University of Connecticut, Storrs, Connecticut, USA, June 2020, (remote panel due to COVID-19).

- Interviewed in "Réflexion" by Gautami Bhowmik, La lettre de femmes & mathématiques, France, Number 21, February 2020.

- Presenter. "The Möbius strip", to a 5th grade class (about 20 kids aged 10-11 years), École primaire Judith-Jasmin, Montréal, October 2019.

- Panelist. "How to write a Discovery grant application/Atelier sur la rédaction d'une demande de subvention à la découverte". Workshop on the NSERC Discovery grants organized by the Bureau recherche-développement-valorisation and the Faculté des arts et des sciences, Université de Montréal, September 2019.

- Panelist. "Academic Jobs/Trabajos Académicos", gave advice about the academic job system in Canada to Latin American number theorists. Number Theory in the Americas. Casa Matemática Oaxaca (BIRS-CMO), Oaxaca, Mexico, August 2019.

- Guest. "My favorite theorem", Episode 43, podcast hosted by Kevin Knudson and Evelyn Lamb, June 2019. Discussed the congruent number problem and its relationship to elliptic curves. Available at https://kpknudson.com/my-favorite-theorem/2019/6/11/episode-43 -matilde-lalin

- Instructor. "The Rubik's cube strikes back", Summer Math Camp, Association Mathématique du Québec (AMQ), Université de Montréal, May 2018. Animated a three-hour-long workshop for 20 gifted college students.

- Panelist. "Women in Mathematics Evening", Canadian Undergraduate Mathematical Conference, Concordia University, July 2017.

- Presenter. "Mathematics and Rubik's cube", Project for University Studies and Research Awareness (Projet SEUR), Université de Montréal, June 2015, July 2016, June 2017. Gave talks about the academic career in mathematics and the Rubik's cube to 30 high-school students.

- Instructor."Rubik's cube", Summer Math Camp, Association Mathématique du Québec (AMQ), Université de Montréal, June 2016. Animated a three-hour-long workshop for 20 gifted college students.

- Co-Author (with Y. Liu and G. Martin). "Survey on childcare resources at conferences for the Canadian mathematical community" distributed by the Canadian Mathematical Society (CMS), November 2015.

- Instructor. "The unreal world of p-adic numbers", Summer Math Camp, Association Mathématique du Québec (AMQ), Université de Montréal, June 2015. Animated a three-hour-long workshop for 20 gifted college students.

- Exhibition Stand. "The mathematics of Rubik's cube", as part of the exhibitions: "À la lumière des mathématiques", 10e édition des 24 heures de science, Université de Montréal, May 2015 and "Incontournables mathématiques!", 9e édition des 24 heures de science, Université de Montréal, May 2014.

- Presenter. "The Platonic Solids", to a preschool class (about 20 kids aged 5-6 years), École primaire Marc-Favreau, Montréal, February 2015.

- Author. "Attending conferences with small children", invited article published in the blog "What's new" by Terry Tao, August 2014. Available at
  `https://terrytao.wordpress.com/2014/08/20/matilde-lalin-attending`
  `-conferences-with-small-children/`

- Panelist. "Women in Math", Canadian Undergraduate Mathematical Conference, Université de Montréal, July 2013.

- Volunteer. Women in Scholarship, Engineering, Science and Technology (WISEST). University of Alberta, 2007-09. Helped organizing Mathematical activities with CHOICES, a Conference for Grade Six Girls. Participated as a role model in SET, a Science, Engineering and Technology Experience for Girls in Grades 10 to 12.

- Panelist. "So, You Want to be an Academic?", Workshop for Graduate Students and Postdoctoral Fellows, Career and Placement Services (CAPS), University of Alberta, October 2008.

- Panelist. New Professor Orientation, University Teaching Services, University of Alberta, August 2008.

- Presenter. "If I only had known", 2008 Science New Faculty Orientation, University of Alberta, August 2008.

- Panelist. "A day in the life of a mathematician", Program for Women and Mathematics. Institute for Advanced Study and Princeton University, Princeton, New Jersey, USA, May 2006.

PARTICIPATION IN MATHEMATICAL OLYMPIADS

Main Awards

- Iberoamerican University Mathematics Olympiad: Silver Medal (1999), Bronze Medal (1998).

- Asian Pacific Mathematics Olympiad: Silver Award (1995), Bronze Award (1994, 1996).

- International Tournament of the Towns: Honorable Mention (1994/95, 1995/96).

- International Mathematical Olympiad: Silver Medal (1995).

- Iberoamerican Mathematical Olympiad: Silver Medal (1994), Bronze Medal (1993).

- Iberoamerican Team Mathematical Competition: 2nd Prize (1994).

- Rioplatense Mathematical Olympiad: Gold Medal (1995), Bronze Medal (1992, 1993).

- Cono Sur Mathematical Olympiad: Bronze Medal (1992).

- National Mathematical Olympiad (Argentina): 1st Prize (1992, 1995), 2nd Prize (1993), Honorable Mention (1994).

Other Activities and Service Related to Mathematical Olympiads

- Panelist. "Women in Math". European Girls' Mathematical Olympiad (EGMO) Days, Fields Institute, Toronto, Ontario, Canada, April 2022 (remote panel).

- Panelist. "Women in Math". European Girls' Mathematical Olympiad (EGMO) Training Summer Camp. Canada, July 2020 (remote panel due to COVID-19).

- Lecturer. "Multiplicative Functions". European Girls' Mathematical Olympiad (EGMO) Training Summer Camp. Canada, July 2020 (remote talk due to COVID-19).

- Mathematical Competitions Committee. Canadian Mathematical Society (CMS), President's Delegate, 2021-2022.

- Member, Canadian Mathematical Olympiad Committee. Canadian Mathematical Society (CMS), 2019-2022.

- International Jury Executive Member and Coordinator. LIII International Mathematical Olympiad. Argentina, 2012.

- Coordinator. XLIX International Mathematical Olympiad. Spain, 2008.

- Deputy leader of the Argentinian team. XII Cono Sur Mathematical Olympiad. Chile, 2001.

- Coordinator. X Cono Sur Mathematical Olympiad. Argentina, 1999.

- Coordinator. XXXVIII International Mathematical Olympiad. Argentina, 1997.

LANGUAGES

English (Fluent)
French (Fluent)
Spanish (Native speaker)
Portuguese (Basic)
German (Some knowledge)