

# MATILDE N. LALÍN

## PERSONAL INFORMATION

Citizenship	Argentina	Address	Department of Mathematical and Statistical Sciences
Visa Status	Permanent Resident of Canada		632 Central Academic Building
Born	April 23, 1977. Buenos Aires, Argentina		University of Alberta
Email	mlalin@math.ualberta.ca		Edmonton, AB T6G 2G1, Canada
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## EDUCATION

2001-2005 Ph.D., Department of Mathematics, University of Texas at Austin  
(Advisor: F. Rodriguez-Villegas)  
Fall 2001 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  
1990-1995 Técnica en Química, Escuela Técnica ORT, Buenos Aires, Argentina

## POSITIONS

Since June 2010 Assistant Professor (tenure-track), Département de Mathématiques et de Statistique, Université de Montréal, Montreal, 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  
2005-2006 Member, Institute for Advanced Study, Princeton

## 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  
2001-2003, Fall 2004 Harrington Fellowship, University of Texas at Austin  
2000-2001 Princeton University  
1998-1999 Fondo para el Mejoramiento de la Calidad Educativa (FOMECA), Argentina  
Summer 1997 Instituto de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil

## OTHER HONORS

2004-05 Frank Gerth III Dissertation Award, Department of Mathematics, University of Texas at Austin  
Nominee for the 2005-06 Outstanding Dissertation Award, Graduate School, University of Texas at Austin

## GRANTS

- Discovery Grant, NSERC, 2008-2013
- Faculty of Science Start-up Grant, University of Alberta, 2007-2010

- Conference grant, PIMS, joint with J. D. Lewis and X. Chen. For “Regulators and Heights in Algebraic Geometry”, University of Alberta, 2008

### RESPONSIBILITIES FOR STUDENTS AND PDF’S

Summer 2008	Geneviève Perren, Visiting Graduate Student from University of Fribourg, Switzerland
Summer 2008	Andrew Cenker, NSERC Undergraduate Student Research Award
July 2008-	Kaneenika Sinha, PIMS Postdoctoral Fellow
April 2008-February 2009	Shravya Yeragani, Undergraduate Student (general advisor)
September 2008	Serhan Tuncer, Ph.D. Candidacy Exam Committee member
March 2009	Andrey Novoseltsev, Ph.D. Candidacy Exam Committee member

### PUBLICATIONS

- *Joint with Alina Bucur, Chantal David, and Brooke Feigon*, Biased statistics for traces of cyclic  $p$ -fold covers over finite fields. To appear in Proceedings of 2008 Banff Workshop “Women In Numbers” *Fields Institute Communications Series* (refereed)
- *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.
- On a conjecture by Boyd. To appear in *Int. J. Number Theory*
- *Joint with N. Kurokawa and H. Ochiai*, Higher Mahler measure and zeta functions. *Acta Arith.* **135** (2008), no. 3, 269 – 297.
- *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.” (Madrid 2007) *Bib. Rev. Mat. Iberoam.* (2008) 119 – 134. (refereed)
- *Joint with Oliver T. Dasbach*, Mahler measure under variations of the base group, *Forum Math.* **21** (2009), no. 4, 621 – 637.
- *Joint with Mathew D. Rogers*, Functional equations for Mahler measures of genus-one curves, *Algebra Number Theory* **1** (2007), no. 1, 87 – 117.
- Mahler measures and computations with regulators, *J. Number Theory* **128** (2008), no. 5, 1231 – 1271.
- An algebraic integration for Mahler measure, *Duke Math. J.* **138** (2007), no. 3, 391 – 422.
- *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.
- On certain combination of colored multizeta values, *J. Ramanujan Math. Soc.* **21** (2006), no. 1, 115 – 127.
- Mahler measure of some  $n$ -variable polynomial families, *J. Number Theory* **116** (2006), no. 1, 102 – 139.
- Mahler measure and volumes in hyperbolic space, *Geom. Dedicata* **107** (2004), 211 – 234.
- Some examples of Mahler measures as multiple polylogarithms, *J. Number Theory* **103** (2003), no. 1, 87 – 117.

**SUBMITTED WORK / WORK IN PROGRESS**

- *Joint with Alina Bucur, Chantal David, and Brooke Feigon*, Fluctuations in the number of points on smooth plane curves over finite fields. *submitted*

**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).

**TEACHING EXPERIENCE**

- 2007-2010 Asst. 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

**ACADEMIC SERVICE**

- Co-Organizer (with C. David and M. Manes) of the BIRS Workshop “Women in Numbers 2”, Banff, Alberta, Canada, November 2011.
- Co-Organizer (with A. Bucur and C. David) of the 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) of the PIMS Undergraduate Algebra Summer School 2009, University of Alberta, Edmonton, Alberta, Canada, May 2009.
- Co-Organizer (with N. Bruin and G. Martin) of the AMS Special Session on “West End Number Theory”, 2008 Fall Western Section 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) of the Conference “Regulators and Heights in Algebraic Geometry”, University of Alberta, Edmonton, Alberta, Canada, April 2008.
- Organizer of the Ivan and Betty Niven Distinguished Lectures, University of British Columbia, Vancouver, British Columbia, Canada, March 2007.
- Organizer of the 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) of the Junior Number Theory Seminar, University of Texas at Austin, Texas, USA, January-May 2004.

- 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.
- Reviewer for Mathematical Reviews, Zentralblatt MATH.
- Reviewer for NSA, Panelist for NSF.
- Committee Member, Hiring Departmental Committee 2007-08 (Max Wyman Assistant Professorship in Number Theory); Undergraduate Honors Committee 2008-09; Hiring Departmental Committee 2009-10 (Assistant Professorship in Number Theory); Josephine M. Mitchell Scholarships Committee 2009-10 (Scholarships, Prizes, and Awards for graduate students)

#### **OTHER SERVICE**

- Volunteer for Women in Scholarship, Engineering, Science and Technology (WIS-EST). 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, “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.
- 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, “So, You Want to be an Academic?”, Workshop for Graduate Students and Postdoctoral Fellows, Career and Placement Services (CAPS), University of Alberta, October 2008.

#### **PROFESSIONAL SOCIETIES**

Canadian Mathematical Society  
 American Mathematical Society  
 Mathematical Association of America  
 Association for Women in Mathematics

#### **INVITED WORKSHOP/CONFERENCE TALKS**

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

- Mahler measures under variations of the base group. Zetas and Limit Laws 2008. Okinawa Convention Center, Okinawa, Japan, November 2008.
- Higher Mahler measures. Zetas and Limit Laws 2008. Okinawa Convention Center, Okinawa, Japan, November 2008.
- Higher Mahler measures. Number Theory Day at the University of Lethbridge. University of Lethbridge, Lethbridge, Alberta, Canada, May 2008.
- 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.
- Mahler measures in group rings. ABC Algebra Workshop. Simon Fraser University, Burnaby, British Columbia, Canada, April 2008.
- 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.
- Functional equations for Mahler measures of genus-one curves. Mahler Measures conference. Tokyo Institute of Technology, Tokyo, Japan, December 2007.
- Regulators and computations of Mahler measures. Mahler Measures conference. Tokyo Institute of Technology, Tokyo, Japan, December 2007.
- 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.
- Polylogarithms and hyperbolic volumes. Hyperbolic Volume 2007. University of Fribourg, Fribourg, Switzerland, July 2007.
- Mahler measure under variations of the base group. A second time around the Volume Conjecture. Louisiana State University, Baton Rouge, Louisiana, USA, June 2007.
- On the Mahler measure of resultants in small dimensions. AMS Special Session on Mahler Measure and Heights. Joint Mathematics Meetings, San Antonio, Texas, USA, January 2006.
- Regulators and computations of Mahler measure. Mahler Measure in Mobile. University of South Alabama, Mobile, Alabama, USA, January 2006.
- An algebraic integration for Mahler measure. Variations on Mahler's Measure. Centre International de Rencontres Mathématiques (CIRM), Luminy, France, June 2005.
- 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

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

- Mahler measure and special values of  $L$ -functions, Seminar, Université de Montréal, Montréal, Québec, Canada, October 2008.
- Mahler measure and regulators, Colloquium, University of Calgary, Calgary, Alberta, Canada, March 2008.
- Mahler measure and regulators, Québec-Vermont Number Theory Seminar, McGill University, Montréal, Québec, Canada, March 2008.
- The Riemann Hypothesis. Graduates of Alberta Mathematics Etc. (GAME) Seminar, Special Series on History of Mathematics, University of Alberta, Edmonton, Alberta, Canada, March 2008.
- Hyperbolic volumes and random walks in Cayley graphs. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, December 2007.
- Functional equations for Mahler measures of genus-one curves. Algebraic Geometry Seminar, University of Chicago, Chicago, Illinois, USA, April 2007.
- Mahler measure and regulators. Special Seminar, University of Alberta, Edmonton, Alberta, Canada, March 2007.
- Functional equations for Mahler measures of genus-one curves. Topology Seminar, Louisiana State University, Baton Rouge, Louisiana, USA, November 2006.
- Mahler measure of multivariable polynomials. Pure Mathematics Research Seminar, University of East Anglia, Norwich, England, August 2006.
- Functional equations for Mahler measures of genus-one curves. Heilbronn Seminar Series, University of Bristol, Bristol, England, August 2006.
- Some aspects of the multivariable Mahler measure. Séminaire de théorie des nombres de Chevaleret, Institut de mathématiques de Jussieu, Paris, France, June 2006.
- 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.
- Mahler measure and evaluations of regulators. MSRI-UC Berkeley Number Theory Seminar, Berkeley, California, USA, May 2006.
- Mahler measure of multivariable polynomials and polylogarithms. Geometry-Topology Seminar, Georgia Institute of Technology, Atlanta, Georgia, USA, April 2006.
- Multivariable Mahler measure and regulators. Members Seminar, Institute for Advanced Study, Princeton, New Jersey, USA, March 2006.
- Some aspects of the multivariable Mahler measure. Topology Seminar, Louisiana State University, Baton Rouge, Louisiana, USA, March 2006.
- Mahler measures as values of regulators. SFU/UBC Number Theory Seminar, Vancouver, British Columbia, Canada, February 2006.
- Mahler measure and values of regulators. Members Seminar, Institute for Advanced Study, Princeton, New Jersey, October 2005.
- Some aspects of Mahler measure. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, July 2005.
- Mahler measure of several-variable polynomials. Oberseminar Geometrie, University of Fribourg, Fribourg, Switzerland, June 2005.

- Mahler measure and 3-hyperbolic volumes. Oberseminar Geometrie, University of Fribourg, Fribourg, Switzerland, June 2005.
- Some aspects of Mahler measure. Number Theory Seminar, Texas A&M University, College Station, Texas, USA, March 2005.
- Some aspects of Mahler measure. Colloquium, University of Colorado at Boulder, Boulder, Colorado, USA, February 2005.
- On Mahler measure of several-variable polynomials and polylogarithms. Zeta Functions Seminar, University of California at Berkeley, Berkeley, California, USA, May 2004.
- Introduction to Mahler Measure. Colloquium, Universidad de Buenos Aires, Buenos Aires, Argentina, July 2003.

### OTHER TALKS

- 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.
- On a conjecture by Boyd. Canadian Number Theory Association X Meeting, University of Waterloo, Waterloo, Ontario, Canada, July 2008.
- Mahler measure and hyperbolic volumes. Algebra Seminar, University of Alberta, Edmonton, Alberta, Canada, November 2007.
- Variations of the base group in Mahler measure. Segundas Jornadas de Teoría de Números, Madrid, Spain, July 2007.
- Mahler measure under variations of the base group. Number Theory Lunch Seminar, Max-Planck-Institut für Mathematik, Bonn, Germany, July 2007.
- Functional equations for Mahler measures of genus-one curves. 25th Journées Arithmétiques, University of Edinburgh and ICMS, Edinburgh, Scotland, UK, July 2007.
- Introduction to modular forms (expository talk). Graduate Topology class at Louisiana State University, Baton Rouge, Louisiana, USA, November 2006.
- Functional equations for Mahler measures of genus-one curves. SFU/UBC Number Theory Seminar, Vancouver, British Columbia, Canada, October 2006.
- Functional equations for Mahler measures of genus-one curves. Number Theory Lunch Seminar, Max-Planck-Institut für Mathematik, Bonn, Germany, August 2006.
- Mahler measure of polynomials. Postdoc Seminar, Mathematical Sciences Research Institute, Berkeley, California, USA, April 2006.
- Project Talk: Multi-zeta values. Arizona Winter School, Fundamental Groups in Arithmetic, Albuquerque, New Mexico, USA, March 2005.
- Project Talk: Periods and Zeta Functions. Arizona Winter School, Number Theory and Physics, Austin, Texas, USA, March 2004.
- 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.

- 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.

#### WORKSHOPS AND CONFERENCES ATTENDED

- Joint Mathematics Meetings, San Francisco, California, USA, January 2010.
- Scientific Session on Number Theory. 2009 CMS Winter Meeting, Windsor, Ontario, Canada, December 2009.
- Workshop on Discovery and Experimentation in Number Theory. Fields Institute, Toronto, Ontario, and IRMACS, Simon Fraser University, Burnaby, British Columbia, Canada, September 2009.
- Zetas and Limit Laws 2008. Okinawa Convention Center, Okinawa, Japan, November 2008.
- WIN Women in Numbers. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, November 2008.
- AMS Special Session on West End Number Theory, Fall Western Meeting, Vancouver, British Columbia, Canada, October 2008.
- Canadian Number Theory Association X Meeting, University of Waterloo, Waterloo, Ontario, Canada, July 2008.
- Number Theory Day at the University of Lethbridge, Lethbridge, Alberta, Canada, May 2008.
- Annual North/South Dialogue in Mathematics, Calgary, Alberta, Canada, May 2008.
- ABC Algebra Workshop, Simon Fraser University, Burnaby, British Columbia, Canada, April 2008.
- Hodge Theory. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, April 2008.
- AMS Special Session on Number Theory and Applications in Other Fields, Spring Southeastern Meeting, Baton Rouge, Louisiana, USA, March 2008.
- Mahler Measures conference, Tokyo Institute of Technology, Tokyo, Japan, December 2007.
- Low-dimensional Topology and Number Theory. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, October 2007.
- Segundas Jornadas de Teoría de Números, Madrid, Spain, July 2007.
- 25th Journées Arithmétiques, University of Edinburgh and ICMS, Edinburgh, Scotland, UK, July 2007.
- Hyperbolic Volume 2007, University of Fribourg, Fribourg, Switzerland, July 2007.
- Mathematische Arbeitstagung 2007, Max-Planck-Institut für Mathematik, Bonn, Germany, June 2007.
- A second time around the Volume Conjecture, Louisiana State University, Baton Rouge, Louisiana, USA, June 2007.

- Théorie des champs, périodes et polylogarithmes, IHES, Bures-sur-Yvette, France, June 2006.
- Zeta functions all the way, Program for Women and Mathematics. Institute for Advanced Study and Princeton University, USA, May 2006.
- Around the Volume Conjecture, Columbia University, New York, March 2006.
- Joint Mathematics Meetings, San Antonio, Texas, USA, January 2006.
- Mahler Measure in Mobile, University of South Alabama, Mobile, Alabama, USA, January 2006.
- A conference on the Occasion of the Sixty-first Birthday of Pierre Deligne, Institute for Advanced Study, Princeton, USA, October 2005.
- Variations on Mahler's Measure. Centre International de Rencontres Mathématiques (CIRM), Luminy, France, June 2005.
- ArithmeTexas 2005, Texas A&M University, College Station, Texas, USA, April 2005.
- Arizona Winter School, Fundamental Groups in Arithmetic, Albuquerque, New Mexico, USA, March 2005.
- Explicit Methods in Number Theory, Institut Henri Poincaré, Centre Émile Borel, Paris, France, December 2004.
- Arizona Winter School, Number Theory and Physics, Austin, Texas, USA, March 2004.
- Mahler's Measure of Polynomials, Simon Fraser University, Burnaby, British Columbia, Canada, June 2003.
- The Many Aspects of Mahler's Measure. Banff International Research Station for Mathematical Innovation and Discovery (BIRS), Banff, Alberta, Canada, April 2003.
- Arizona Winter School, Logic and Number Theory, Tucson, Arizona, USA, March 2003.
- Arizona Winter School, Periods, Tucson, Arizona, USA, March 2002.
- Unión Matemática Argentina, La Plata, Buenos Aires, Argentina, September 1999.
- XII Escuela Venezolana de Matemáticas, Merida, Venezuela, September 1999.

## **PARTICIPATION IN MATHEMATICAL OLYMPIADS**

### **Main Awards**

- Universitarian Iberoamerican Mathematical Olympiad: Silver Medal (1999), Bronze Medal (1998).
- Asian Pacific Mathematics Olympiad: Silver Award (1995), Bronze Award (1994, 1996).
- International Tournament of the Towns: Honourable 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), Honourable Mention (1994).

**Other Activities and Service Related to Mathematical Olympiads**

- 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)  
Spanish (Native speaker)  
Portuguese (Intermediate)  
French (Basic)  
German (Some knowledge)