

CURRICULUM VITAE

Saraí Hernández-Torres

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RESEARCH INTERESTS

Discrete Probability: uniform spanning forests, loop-erased random walks, growth processes, random walks, random trees, percolation models with long-range correlations, and their scaling limits.

ACADEMIC POSITIONS

- July 2022 – *present* INVESTIGADORA ASOCIADA C
Instituto de Matemáticas,
Universidad Nacional Autónoma de México (UNAM)
Mexico City, Mexico
- Oct. 2020 – June 2022 POSTDOCTORAL FELLOW
Technion – Israel Institute of Technology, Haifa, Israel
Hosts: [Prof. Eviatar Procaccia](#) and [Prof. Ron Rosenthal](#)

EDUCATION

- 2020 Ph.D. in MATHEMATICS
University of British Columbia, Vancouver, Canada
Thesis: “A Macroscopic View on Two Discrete Random Processes”
Supervisors: [Prof. Omer Angel](#) and [Prof. Martin Barlow](#)
- 2016 M.Sc. in MATHEMATICS
University of British Columbia, Vancouver, Canada
Essay: “Collisions of Trajectories and Random Walks”
Supervisor: [Prof. Martin Barlow](#)
- 2014 B.Sc. in MATHEMATICS
Universidad de Guanajuato -
Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico
Thesis: “Introducción a los Espacios de Bergman”
Supervisor: [Prof. Fernando Galaz Fontes](#)

PUBLICATIONS & PREPRINTS

7. *Sharp one-point estimates and Minkowski content for the scaling limit of three-dimensional loop-erased random walk*, S. Hernández-Torres, X. Li and D. Shiraishi.
Preprint. arXiv e-print: [2403.07256](https://arxiv.org/abs/2403.07256).

6. *Crossing bridges between percolation models and Bienaymé-Galton-Watson trees*,
A. Blancas, M. C. Fittipaldi and S. Hernandez-Torres.
To appear in **XIV Symposium on Probability and Stochastic Processes**.
arXiv e-print: [2411.09621](https://arxiv.org/abs/2411.09621).
5. *Distance-dependent chase-escape on trees*,
S. Hernandez-Torres, M. Junge, N. Ray and N. Ray.
New Zealand Journal of Mathematics, Volume 55, 31–41, 2024.
DOI: [10.53733/342](https://doi.org/10.53733/342). arXiv e-print: [2209.09876](https://arxiv.org/abs/2209.09876).
4. *The chemical distance in random interacements in the low-intensity regime*,
S. Hernandez-Torres, E. B. Procaccia and R. Rosenthal.
Communications in Mathematical Physics, Volume 400, 1697–1737, 2023.
DOI: [10.1007/s00220-023-04634-8](https://doi.org/10.1007/s00220-023-04634-8). arXiv e-print: [2112.13390](https://arxiv.org/abs/2112.13390).
3. *Scaling limit of the three-dimensional dimensional uniform spanning tree and the associated random walk*,
O. Angel, D. A. Croydon, S. Hernandez-Torres and D. Shiraishi.
Annals of Probability, Volume 49, Number 6 (November 2021), 3032–3105.
DOI: [10.1214/21-AOP1523](https://doi.org/10.1214/21-AOP1523). arXiv e-print: [2003.09055](https://arxiv.org/abs/2003.09055).
2. *The number of spanning clusters of the uniform spanning tree in three dimensions*,
O. Angel, D. A. Croydon, S. Hernandez-Torres and D. Shiraishi.
Advanced Studies in Pure Mathematics, 2021: 403-414 (2021) (Stochastic Analysis, Random Fields and Integrable Probability – Fukuoka 2019. Vol. 87).
DOI: [10.2969/aspm/08710403](https://doi.org/10.2969/aspm/08710403). arXiv e-print: [2003.04548](https://arxiv.org/abs/2003.04548).
1. *Chase-escape with death on trees*,
E. Beckman, K. Cook, N. Eikmeier, S. Hernandez-Torres and M. Junge.
Annals of Probability, Volume 49, Number 5 (September 2021), 2530–2547.
DOI: [10.1214/21-AOP1514](https://doi.org/10.1214/21-AOP1514). arXiv e-print: [1909.01722](https://arxiv.org/abs/1909.01722).

GRANTS

- | | |
|-------------|---|
| 2024 – 2025 | Research project supported by
L'Oréal-UNESCO-Academia Mexicana de Ciencias (AMC)
<i>Geometría emergente en sistemas estocásticos discretos: transiciones de fase y criticalidad</i> |
| 2024 – 2025 | Principal Investigator UNAM-DGAPA-PAPIIT IA103724
<i>Geometría aleatoria en gráficas</i> |

DISTINCTIONS AND AWARDS

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|------------------|---|
| 2024 | L'Oréal-UNESCO-AMC For Women in Science national fellowship, Mexico
(Beca para Mujeres en la Ciencia L'Oréal-UNESCO-AMC) |
| 2022
–present | Candidate Member of the Mexican National System of Researchers,
(Sistema Nacional de Investigadoras e Investigadores, SNII)
Secretaría de Ciencia, Humanidades, Tecnología e Innovación (Secihti) |

SELECTED SCHOLARSHIPS AND ACHIEVEMENTS

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| 2015–2020 | Scholarship for Graduate Studies
Consejo Nacional de Ciencia y Tecnología (Conacyt) |
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2014	Faculty of Science Graduate Award Scholarship for Graduate Studies, University of British Columbia
2009–2014	Scholarship for Undergraduate Studies Centro de Investigación en Matemáticas (CIMAT)
2012, 2014	Academic Excellence Scholarship Secretaría de Educación Pública (SEP)
2012	Academic Excellence Scholarship Universidad de Guanajuato, awarded to the top student in the mathematics degree program for the highest GPA in that academic year.
2008	Mathematical Olympiads: Third place (national level) XXII Olimpiada Mexicana de Matemáticas (Mexican Mathematical Olympiad)

TALKS

Research talks at conferences

2 plenary talks, 17 invited talks, 4 contributed talks.

- 2025 - Montréal - Guanajuato Workshop on Probability and Machine Learning, CIMAT, Guanajuato, Mexico (plenary talk) *
- Connections Workshop: Probability and Statistics of Discrete Structures, SLMATH, Berkeley, USA *
- 2024 - Scientific Session: Recent Progress of Stochastic Analysis, CMS Winter Meeting and Related Fields, Richmond, Canada *
- Workshop: Random Walks, Scaling Limits and Criticality, Herrsching am Ammersee, Germany *
- Statistical Mechanics Beyond 2D, IPAM, UCLA, USA *
- 2023 - XIV Simposio de Probabilidad y Procesos Estocásticos (plenary talk) *
- Discrete Random Structures, Bedlewo, Polonia *
- Potential Theory Workshop, CIMAT, Guanajuato, México *
- XVI Latin American Congress of Probability and Mathematical Statistics (CLAPEM), São Paulo, Brazil *
- 11th International Conference on Stochastic Analysis and its Applications, ICSAA, Edinburgh, UK *
- BUC XXI Meeting. CIMAT, Guanajuato, Mexico *
- 2022 - Analytic and Probabilistic Combinatorics. BIRS, Banff, Canada *
- Special session “Random Trees and Graphs”, 42nd SPA Conference, China ◇*
- 2021 - LXX Reunión de Comunicaciones Científicas, Reunión Anual de la Unión Matemática Argentina, Argentina ◇*
- Special Session: Interacting Stochastic Systems, Mathematical Congress of the Americas (MCA), Argentina ◇*
- 8th Students Probability Day, Weizmann Institute of Science, Israel
- Matemáticos Mexicanos en el Mundo, Casa Matemática Oaxaca, Mexico ◇*
- 2020 - AMS Special Session on Stochastic Spatial Models, JMM, Denver, USA *
- 2019 - XV Latin American Congress of Probability and Mathematical Statistics (CLAPEM), Merida, Mexico
- 49th Saint-Flour Probability Summer School, Saint-Flour, France
- 11th Cornell Probability Summer School, Cornell University, USA
- CMS Summer Meeting, University of Regina, Canada *
- 2018 - Retreat for Young Researchers in Stochastics, BIRS, Canada *

Research talks at seminars

34 talks in seminars.

- 2025 - Probability Seminar, Duke University, Durham, USA
- Seminario del Departamento de Matemáticas, ITAM, Mexico City, Mexico
- 2024 - Seminario Aleatorio. ITAM, Mexico City, Mexico

- Seminario Sistemas Complejos y Física Estadística, Instituto de Física, UNAM, Mexico City, Mexico
- Seminario de Matemáticas Aplicadas, UAA, Aguascalientes, Mexico
- CUNY Probability Seminar, CUNY Graduate Center, New York City, USA
- Aleatorias y Normales - online seminar ◊
- 2023 - Technion Probability Seminar, Technion – IIT, Israel
- LU-UMN Joint Probability Seminar, Lehigh University - University of Minnesota, USA ◊
- UBC Probability Seminar, University of British Columbia, Canada
- 2022 - Los Angeles Probability Forum, UCLA, USA
- Seminario de Probabilidad y Procesos Estocásticos, UNAM, Mexico
- Seminario de Probabilidad, CIMAT, Guanajuato, Mexico
- Probability Seminar, University of Cambridge, UK
- Probability Seminar, Technische Universität München, Germany
- Percolation Today ◊
- Probability Seminar, Peking University, China ◊
- 2021 - GFAP Seminar, Weizmann Institute of Science, Israel
- Technion Probability Seminar, Technion – I.I.T., Israel
- Seminario de Probabilidad Hispanohablante ◊
- Purdue Probability Seminar, Purdue University, USA ◊
- Probability Seminar Essen, Universität Duisburg-Essen, Germany ◊
- Probability Seminar, Cornell University, USA ◊
- Probability and Combinatorics Seminar, Uppsala universitet, Sweden ◊
- Probability Seminar of Americas ◊
- Joint Israeli Probability Seminar, Israel ◊
- 2020 - Probability and Related Fields Seminar, Indiana University, USA ◊
- UBC Probability Seminar, University of British Columbia, Canada ◊
- Probability and Related Fields Seminar, Indiana University, USA ◊
- Seminario de Probabilidad y Estadística, CIMAT, Mexico ◊
- Seminario de Probabilidad y Procesos Estocásticos, UNAM, Mexico ◊
- TAMU Probability Seminar, Texas A&M University, USA
- 2019 - UBC Probability Seminar, University of British Columbia, Canada
- Dynamics Seminar, University of Victoria, Canada

Colloquia

9 talks at colloquia.

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|------|------|---|
| Apr. | 2024 | Coloquio, Departamento de Matemáticas, Cinvestav Zacatenco, Mexico |
| Feb. | 2024 | Coloquio, Instituto de Matemáticas, Unidad Cuernavaca, UNAM, Mexico |
| Dic. | 2023 | Coloquio Interinstitucional de Matemáticas, UdG, UAGro y UNISON, Mexico ◊ |
| May | 2023 | Coloquio, Centro de Ciencias Matemáticas, UNAM, Morelia, Mexico |
| Sep. | 2022 | Coloquio, Instituto de Matemáticas, UNAM, Mexico |
| May | 2022 | Coloquio Queretano, Instituto de Matemáticas, Unidad Juriquilla, UNAM, Mexico ◊ |
| Feb. | 2022 | Seminario Virtual de Matemáticas, Universidad de Colima, Mexico ◊ |
| Feb. | 2021 | Coloquio de Exalumnos de CIMAT/DEMAT, CIMAT, Mexico ◊ |
| Nov. | 2020 | Coloquio Oaxaqueño de Matemáticas, IM-UNAM Oaxaca, Mexico ◊ |

Mini-courses

2 mini-courses.

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| July | 2022 | <i>“From random walks to metric spaces”</i>
Graduate Student Concentration Week on Metric Geometry
Texas A&M Workshop in Analysis and Probability, USA |
| July | 2022 | <i>“Teoremas de la forma en probabilidad”</i>
Geometría Prohibida, Universidad Autónoma de San Luis Potosí, Mexico |

Expository talks

19 expository talks.

Graduate and undergraduate level

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| Nov. | 2024 | EMALCA: Temas recientes en Teoría de las Probabilidades
Universidad de la Habana, Cuba * |
| Aug. | 2024 | Escuela de Matemáticas de Occidente 2024, Universidad de Guadalajara,
Guadalajara, Mexico. * |
| July | 2024 | Segunda Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y
Probabilidad, UASLP, San Luis Potosí, Mexico |
| Sep. | 2023 | XVII Congreso de Ciencias Exactas, UAA, Aguascalientes, Mexico * |
| Aug. | 2023 | Primera Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y
Probabilidad, Instituto de Matemáticas, UNAM, Mexico City, Mexico |
| Jun. | 2023 | EMALCA 2023, Centro de Ciencias Matemáticas, UNAM, Morelia, Mexico * |
| Oct. | 2022 | 2do Fin de Semana de la Probabilidad en Cuernavaca,
Instituto de Matemáticas, Unidad Cuernavaca, UNAM, Mexico * |
| Sep. | 2022 | Hablando de Matemáticas, Instituto de Matemáticas, UNAM, Mexico * |
| Aug. | 2022 | Coloquio de Orientación Matemática, Ciencias TV, UNAM, Mexico ◇ |
| June | 2022 | Pizza Seminar, Technion – Israel Institute of Technology, Israel |
| April | 2021 | XIX Escuela de Probabilidad y Estadística, CIMAT, Mexico ◇ * |
| Dec. | 2020 | Fest 2020, Independently Organized Conference ◇ |
| Sep. | 2020 | Seminario Junior de Estudiantes, Universidad de Guanajuato, Mexico ◇ |
| Sep. | 2020 | Lunch & Learn, Trinity Western University, Canada ◇ |
| Mar. | 2019 | Graduate Student Seminar, University of British Columbia, Canada |

High school and middle school level

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| Mar. | 2025 | Día de π , Colegio Isabel la Católica (middle school), San Nicolás de los
Garza, Nuevo León, Mexico ◇ * |
| Nov. | 2024 | Fiesta de las Ciencias y las Humanidades, UNIVERSUM, Mexico City, Mexico |
| Mar. | 2023 | CiENPiés Matemático, Escuela Nacional Preparatoria de la UNAM
Plantel 6 “Antonio Caso”, Mexico City, Mexico |
| Feb. | 2023 | Ciclo del Día Internacional de la Mujer y la Niña en la Ciencia.
Olimpiada de Matemáticas de la Ciudad de México, Mexico ◇ * |

Panels

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| Mar. | 2025 | <i>Participant.</i> “Caminos y Desafíos: Mujeres en la Ciencia Hoy”,
Instituto de Ciencias de la Atmósfera y Cambio Climático, UNAM,
Mexico City, Mexico * |
| Oct. | 2023 | <i>Moderator.</i> “Las Matemáticas Mexicanas en Norteamérica”
56 Congreso Nacional de la Sociedad Matemática Mexicana,
San Luis Potosí, Mexico * |

Miscellaneous talks

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|------|------|---|
| Jan. | 2025 | Open Problem Session, The Changing (of) Times. A Conference in Honor
of María Emilia Caballero (one-hour joint activity with Laura Eslava) * |
| Aug. | 2024 | Lightning talk, Frontiers of Statistical Mechanics and Theoretical
Computer Science, BIRS, Banff, Canada * |
| June | 2021 | Workshop discussion, SPDEs & friends (15 min. talk) ◇ * |

An asterisk (*) indicates an invited talk.

A diamond (◇) indicates a talk online.

The supplemental information shows a comprehensive list of [events attended](#).

TEACHING

Teaching experience

Posgrado en Ciencias Matemáticas, UNAM,
Mexico City, México

	<i>Instructor (Graduate level)</i>
2025-II	Probabilidad en Estructuras Discretas (Probability in Discrete Structures)

Facultad de Ciencias (FC), UNAM,
Mexico City, Mexico

	<i>Instructor (Undergraduate level)</i>
2025-I	Probabilidad II (Probability II)
2024-II	Probabilidad en Estructuras Discretas (Probability in Discrete Structures)
	Probabilidad I (Probability I)
2024-I	Procesos Estocásticos I (Stochastic Processes)
2023-II	Probabilidad II (Probability II)
2023-I	Probabilidad I (Probability I)

University of British Columbia,
Vancouver, Canada

	<i>Workshop facilitator</i>
2019	Math 100: Differential Calculus with Applications to Physical Sciences and Engineering (Vantage College) Workshop sessions for international students, 2 hours per week.
	<i>Recitation instructor</i>
2018	Math 180: Differential Calculus with Physical Applications Workshop sessions with theory and exercises, 2 hours per week.
	<i>Course instructor</i>
2017	Math 100: Differential Calculus with Applications to Physical Sciences and Engineering Course with 60 students, 3 hours per week.
	<i>Teaching assistant</i>
2014– 2020	Marked assignments and conducted tutorial sessions. Undergraduate courses assisted: Mathematical Game Theory (Math 344), Real Variables I (Math 320), Probability with Physical Applications (Math 318), Introduction to Probability (Math 302), Introduction to Complex Variables (Math 300), Differential Equations (Math 256), Multivariable Calculus (Math 253), Mathematical Proof (Math 220), Differential Calculus with Applications to Life Sciences (Math 102).
	Tutor at the Math Learning Centre Drop-in tutorials offered to undergraduate students.

Universidad de Guanajuato / Centro de Investigación en Matemáticas (CIMAT),
Guanajuato, Mexico

	<i>Teaching assistant</i>
2012– 2014	Marker Conducted tutorial sessions for Modern Algebra I, Complex Variables and Integral and Differential Calculus I & II.
	<i>Workshop Instructor</i>
2013	X Calculus Problem Solving Workshop Led a group of undergraduates for a week-long problem-solving workshop on calculus.

Teaching Accreditation

- 2018 Instructional Skills Workshop (24 hours workshop), UBC
2016 Math 599: Mathematics Teaching Techniques (33 hours course), UBC

STUDENTS

Direction of undergraduate honours thesis

- Apr. 2025 Jorge Emiliano Alvarez Gil Leyva
Licenciatura en Matemáticas Aplicadas, Facultad de Ciencias, UNAM
Thesis title: *“Simulación de la evolución de Schramm-Loewner”*
Graduated with honors
- Mar. 2025 Juan Pablo Rodríguez Villagrán
Licenciatura en Matemáticas, Facultad de Ciencias, UNAM
Thesis title: *“Percolación FK en gráficas de Cayley”*
Graduated with honors
- Feb. 2024 Jorge Salvador Martínez Villafan. Co-direction with Laura Eslava
Licenciatura en Matemáticas Aplicadas, Facultad de Ciencias, UNAM
Thesis title: *“Redes de investigación en probabilidad y estadística en Latinoamérica: desarrollo y análisis estadístico de una base de datos con perspectiva de género”*
- May 2024 Jeremai Reyes Garay
Licenciatura en Actuaría, Facultad de Ciencias, UNAM
Thesis title: *“Exponente de crecimiento en caminatas aleatorias con ciclos borrados”*

In progress

- Jorge David López Maldonado
Licenciatura en Matemáticas, Facultad de Ciencias, UNAM

Academic mentorship of master's students

1. Emmanuel Silva Amaya, 2025 - in progress
2. Jorge Emiliano Álvarez Gil Leyva, 2024 - in progress

Thesis reading committees

Graduate

- Jan. 2023 José Hermenegildo Ramírez González, PhD thesis,
Probabilidad & Estadística PhD program, CIMAT

Undergraduate

- Apr. 2025 Daniel Fuentes del Río, undergraduate thesis,
Licenciatura en Matemáticas Aplicadas, FC-UNAM.
- Sep. 2024 Marco Fernando Guerrero Nava, undergraduate thesis,
Licenciatura en Matemáticas, FC-UNAM.
- Sep. 2024 Héctor Daniel Alonso Orozco, undergraduate thesis,
Licenciatura en Matemáticas, FC-UNAM.
- Sep. 2023 Hugo Guadalupe Reyna Castañeda, undergraduate thesis,
Licenciatura en Actuaría, FC-UNAM
- Aug. 2023 Alam Ponce Quiñones, undergraduate thesis,
Licenciatura en Matemáticas Aplicadas, FC-UNAM

EVENT ORGANIZATION

Seminar organization

5. **Co-organizer**, Aug. 2022–*present*,
[Seminario de Probabilidad y Procesos Estocásticos](#)
(Probability and Stochastic Processes Seminar), UNAM, Mexico
4. **Co-organizer**, Sep. 2024–Dec. 2024,
[Seminario de caminatas aleatorias y álgebras de Hecke](#)
(Random walks and Hecke algebras), IM-UNAM, México
3. **Co-organizer**, Sep. 2022–Dec. 2024,
Online Seminar for the Research Network of Latin American Women in Probability and Statistics: [Aleatorias y Normales](#)
2. **Co-organizer**, July–Nov. 2022,
[Coloquio de ex-estudiantes CIMAT-DEMAT](#), Mexico
1. **Co-organizer**, Fall 2016 – Spring 2018,
UBC Probability Reading Group, University of British Columbia, Canada
Organized schedule and suggested topics.

Conference, workshop, and summer school organization

11. **Co-organizer**, 4–9 Oct. 2026,
[Discrete and Continuous Random Trees](#),
Casa Matemática Oaxaca (CMO), Oaxaca, Mexico
10. **Co-organizer**, 26–30 May 2025,
[Mixtures of Probability and Geometry](#),
Casa Matemática Oaxaca (CMO), Oaxaca, Mexico
9. **Co-organizer**, 24–27 Mar. 2025,
[Lecture Series: Interactions of Geometry and Probability](#),
Instituto de Matemáticas, UNAM and CINVESTAV, Mexico City, Mexico
8. **Co-organizer**, Nov. 29–Dec. 2 2024,
[Discrete Probability Session](#), 2024 Canadian Mathematical Society Winter Meeting,
Kwantlen Polytechnic University, Richmond Campus, Greater Vancouver Area, Canada
7. **Co-organizer**, 5–19 July 2024,
[Segunda Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y Probabilidad](#),
Universidad Autónoma de San Luis Potosí, San Luis Potosí, Mexico
7. **Co-organizer**, 31 July–4 Aug. 2023,
[Primera Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y Probabilidad](#),
Instituto de Matemáticas, UNAM, Mexico City, Mexico
5. **Co-organizer**, Oct. 2022,
[Sesión de Probabilidad](#) (Probability session), 55 Congreso Nacional de la Sociedad Matemática Mexicana, CUCEI, Universidad de Guadalajara, Hybrid event, Mexico
4. **Co-organizer**, July–Aug. 2021,
[Open Online Probability School \(OOPS\)](#),
Organizational work for 10 mini-courses.
3. **Co-organizer**, 14–18 Dec. 2020,
[Fest 2020](#),
Organizational work for 10 talks and 1 mini-course.
2. **Co-organizer**, May–Aug. 2020
[Open Online Probability School \(OOPS\)](#),
Event conception and organizational work. 13 mini-courses and 13 talks.
1. **Short talks organizer**, 5–30 June 2017,
[PIMS-CRM Summer School in Probability 2017](#),
Scheduled 29 short talks during the one-month summer school, assisted in participant communication and social activity organization.

Organization of special events

1. **Local coordinator**, Oct. 9 2024,
Special outreach event: [Mathemalchemy: an Artistic and Mathematical Adventure](#),
presented by Ingrid Daubechies, Instituto de Matemáticas, UNAM, Ciudad de México,
Mexico

OUTREACH

Mathematical Olympiads

- June 2024 **Tutor** of the Mexico City team at the Third National Women's Competition
of the Mexican Mathematical Olympiad
- Jan. 2010 **Coach** in the Guanajuato state team for the Mexican Mathematical
-Nov. 2012 Olympiad

Bilingual Math Outreach

- May 2021 **Teaching assistant**, [Mathematics Sin Fronteras](#)
Brown University
Supported the mini-course "An introduction to error correcting codes".

ACADEMIC SERVICE

- Evaluation committees** 2023- Evaluator for CONAHCYT,
Becas al Extranjero para Estudios de Posgrado 2023
(scholarships for graduate studies abroad)

- Referee for** Annals of Applied Probability
Boletín de la Sociedad Matemática Mexicana
Communications in Mathematical Physics
Electronic Communications in Probability
Electronic Journal of Probability
Journal of Applied Probability
Probability and Mathematical Physics
Probability Theory and Related Fields
Journal of Theoretical Probability
Random Structures and Algorithms
Stochastic Processes and their Applications

LANGUAGES

- SPANISH: Native
ENGLISH: Fluent

PROFESSIONAL AFFILIATIONS

- Sociedad Matemática Mexicana (SMM)
Sociedad Latinoamericana de Probabilidad y Estadística Matemática (SLAPEM)
Bernoulli Society (BS)

Supplemental information

EVENTS

Workshops

- Feb. 2025 [Montréal - Guanajuato Workshop on Probability and Machine Learning](#)
CIMAT, Guanajuato, Mexico
- Aug. 2024 [Frontiers of Statistical Mechanics and Theoretical Computer Science](#)
Banff International Research Station (BIRS), Banff, Canada
- May 2024 [Workshop: Random Walks, Scaling Limits and Criticality](#)
Herrsching am Ammersee, Germany
- May 2024 [Statistical Mechanics Beyond 2D](#)
IPAM at UCLA, USA
- Jan. 2024 [CUWB-II Probability-on-Sea](#)
Playa del Carmen, Mexico
- Sep. 2023 [Potential Theory Workshop](#)
CIMAT, Guanajuato, Mexico
- Jan. 2023 [XXI Bath-UNAM-CIMAT \(BUC\)](#)
CIMAT, Guanajuato, México
- Nov. 2022 [Analytic and Probabilistic Combinatorics](#)
Banff International Research Station (BIRS), Banff, Canada
- July 2022 [TAMU Workshop in Analysis and Probability](#)
Texas A&M, College Station, USA
- June 2022 [Workshop: Challenges in Probability and Statistical Mechanics](#)
Technion – IIT, Haifa, Israel
- May 2022 [Latin American and Caribbean Workshop on Mathematics and Gender](#)
Hybrid event hosted at Casa Matemática Oaxaca in Mexico
- June 2021 [SPDEs & friends](#)
3-day online workshop organized in Berlin, Germany
- June 2019 [Mathematical Research Communities: Stochastic Spatial Models](#)
Rhode Island, USA
- June 2018 [Challenges in Probability and Mathematical Physics](#)
Centre de Recherches Mathématiques (CRM), Montreal, Canada

Conferences and Meetings

- Apr. 2025 [CUWB-IV: Frontiers in statistics and probability](#)
SLMath, Berkeley, USA
- Jan. 2025 [Connections Workshop: Probability and Statistics of Discrete Structures](#)
SLMath, Berkeley, USA
- Jan. 2025 [The Changing of Times: A Conference in Honor of María Emilia Caballero](#)
Universidad Autónoma de Yucatán, Mérida, Mexico
- Nov. 2024 [2024 CMS Winter Meeting](#)
Kwantlen Polytechnic University, Richmond, Canada
- Oct. 2023 [56 Congreso Nacional de la Sociedad Matemática Mexicana](#)
Universidad Autónoma de San Luis Potosí, San Luis Potosí, Mexico
- Oct. 2023 [Discrete Random Structures](#)
Bedlewo, Poland
- July 2023 [XVI CLAPEM](#)
USP, São Paulo, Brazil
- June 2023 [11th International Conference on Stochastic Analysis and its Applications](#)
ICSAA, Edinburgh, UK
- Nov. 2022 [55 Congreso Nacional de la Sociedad Matemática Mexicana](#)
Hybrid event hosted by Universidad de Guadalajara, Guadalajara, Mexico

- Oct. 2022 [2do Fin de Semana de la Probabilidad en Cuernavaca](#)
Instituto de Matemáticas, Unidad Cuernavaca, UNAM, Mexico
- June 2022 [42nd SPA Conference](#)
Hybrid event hosted in Wuhan, China
- Dec. 2021 [Matemáticos Mexicanos en el Mundo](#)
Hybrid event hosted at Casa Matemática Oaxaca in Mexico
- July 2021 [Mathematical Congress of the Americas](#)
Online conference organized in Argentina
- May 2021 [Students Probability Day VIII. In memory of Oded Schramm](#)
Weizmann Institute of Science, Rehovot, Israel
- Jan. 2020 [Joint Mathematics Meetings](#)
Denver, USA
- Dec. 2019 [Latin American Congress of Probability and Mathematical Statistics](#)
Merida, Mexico
- June 2019 [CMS Summer Meeting](#)
University of Regina, Regina, Canada
- Oct. 2018 [Retreat for Young Researchers in Stochastics](#)
Banff International Research Station (BIRS), Banff, Canada
- July 2018 [XIX International Congress on Mathematical Physics](#)
Centre Mont-Royal, Montreal, Canada
- July 2018 [Young Researchers Symposium](#)
McGill University, Montreal, Canada
- July 2017 [Mathematical Congress of the Americas](#)
Centre Mont-Royal and McGill University, Montreal, Canada
- Aug. 2013 [Mathematical Congress of the Americas](#)
Guanajuato, Mexico
- Oct. 2012 [XLV National Congress of the Mexican Mathematical Society](#)
Universidad Autónoma de Querétaro, Queretaro, Mexico

Summer Schools

- Nov. 2024 [EMALCA: Temas recientes en Teoría de las Probabilidades](#)
Universidad de La Habana, La Habana, Cuba
- July 2024 [Segunda Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y Probabilidad](#)
UASLP, San Luis Potosi, Mexico
- Aug. 2023 [Primera Escuela Conjunta SLP-CDMX de Dinámica, Combinatoria y Probabilidad](#)
Instituto de Matemáticas, UNAM, Mexico City, Mexico
- June 2023 [EMALCA 2023](#)
Centro de Ciencias Matemáticas, UNAM, Morelia, Mexico
- Aug. 2022 [X Escuela de Verano de Probabilidad y Procesos Estocásticos](#)
Instituto de Matemáticas, UNAM, Mexico
- June 2022 [Summer school: Geometría Prohibida](#)
Universidad Autónoma de San Luis Potosí, Mexico
- May -June 2021 [CRM-PIMS Summer School in Probability](#)
Online summer school organized in Canada
- July 2019 [49th Saint-Flour Probability Summer School](#)
Saint-Flour, France
- June 2019 [11th Cornell Probability Summer School](#)
Cornell University, Ithaca, USA
- Aug. 2017 [Summer School in Graph Limits, Groups and Stochastic Processes](#)
MTA Alfréd Rényi Institute of Mathematics, Budapest, Hungary
- June 2017 [PIMS-CRM Summer School in Probability](#)
University of British Columbia, Vancouver, Canada

June 2015 [CRM-PIMS Summer School in Probability](#)
-July McGill University, Montreal, Canada
Mar. 2014 [XII Escuela de Probabilidad y Estadística](#)
Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico
June 2013 [X Escuela de Verano en Matemáticas](#)
Instituto de Matemáticas, Unidad Cuernavaca, UNAM, Mexico
July 2011 [IV Summer Program in Probability and Statistics](#)
Centro de Investigación en Matemáticas (CIMAT), Guanajuato, Mexico
Research internship with [Prof. José Alfredo López-Mimbela](#)