

Arturo Jaramillo Gil

CONTACT INFORMATION	Department of Probability and Statistics, CIMAT. Calle Jalisco S/N, Col. Valenciana, Guanajuato, Gto., Mexico. Telephone: +52 (473) 732 7155 Personal Website www.cimat.mx/~ jagil LinkedIn X/Twitter	jagil@ciat.mx Google Scholar
ACADEMIC BACKGROUND	Esch-sur-Alzette, Luxembourg. Université du Luxembourg Postdoctoral Researcher in Mathematics Singapore. National University of Singapore Postdoctoral Researcher in Mathematics Lawrence, Kansas, United States. University of Kansas (KU) Ph.D. in Mathematics Dissertation topic: <i>Limit distributions for functionals of Gaussian processes;</i> with emphasis on local times, fractional Brownian motion, limit theorems, Malliavin calculus, and random matrices. Advisor: Dr. David Nualart University of Kansas (KU) M.A. in Mathematics GPA: A Guanajuato, Guanajuato, Mexico. Center for Research in Mathematics (CIMAT) M.Sc. in Probability and Statistics GPA: 9.2/10 Thesis topic: <i>Convergence in distribution of multiple Skorohod integrals</i> Advisor: Dr. Juan Carlos Pardo Millán University of Guanajuato (UGTO) B.Sc. in Mathematics Thesis topic: <i>Invariant manifolds and finite-dimensional realizations</i> Advisor: Dr. Daniel Hernández Hernández	3/2020 - 10/2020 7/2018 - 3/2019 4/2019 - 2/2020 3/2016 - 5/2018 nualart@ku.edu 1/2014 - 2/2016 8/2011 - 7/2013 jcpardo@ciat.mx 8/2006 - 6/2011 dher@ciat.mx

ACADEMIC
EXPERIENCE

Research at CIMAT

Since December 2020, I have been a Tenured Researcher (Investigador Titular “A”) in the Department of Probability and Statistics at the Center for Research in Mathematics (CIMAT), Guanajuato.

Postdoctoral Research

During my postdoctoral appointments, in collaboration with Ivan Nourdin, Giovanni Peccati, Adrian Röellin, and Louis Chen, I conducted research on the following topics:

- Approximations of local times.
- Stein’s method.
- Probabilistic number theory.

Doctoral Research

During my doctoral studies at the University of Kansas, I conducted research with David Nualart, Daniel Harnett, Juan Carlos Pardo, and José Luis Pérez Garmendia on the following topics:

- Limit theorems and Malliavin calculus.
- Local times.
- Stochastic integration for Gaussian processes.
- Random matrices.

STUDENT
SUPERVISION

Thesis Advisor

- Bachelor’s thesis in Actuarial Science by Bryan Antonio Pedraza Domínguez at Universidad Anáhuac Veracruz, Campus Xalapa, entitled “Markov Decision Process Models: Theoretical Foundations and an Application to Reinsurance”. 05/2026.
- Bachelor’s thesis in Actuarial Science by David Sánchez Herrera at Universidad Anáhuac Xalapa, entitled “Introduction to the Heston Model: Stochastic Volatility”. 05/2025.
- Master’s thesis by Iván Irving Rosas Domínguez at CIMAT, entitled “On the Convergence of Densities of Spatial Averages for the Stochastic Heat Equation”. 2025.
- Bachelor’s thesis by Héctor Manuel Soto Ibarra at the University of Guanajuato, entitled “The Berry–Esseen Theorem and the Law of Rare Events: An Elementary Perspective through Stein’s Method”. 2025.
- Master’s thesis by Luis Escárcega Ríos at CIMAT, entitled “An Extension of the Breuer–Major Theorem”. 3/2020 - 10/2022.
- Bachelor’s thesis by Marko Peric at the University of Luxembourg, entitled “The Erdős–Kac Theorem”. 3/2020 - 10/2020.

Theses in Progress

- Ph.D. thesis project by Kotaro Hata at CIMAT, co-supervised with José Luis Pérez Garmendia, on the Lamperti transform for fractional Brownian motion.
- M.Sc. thesis project in Mathematics by Sabino Isaac Cano Páez, entitled “Gradient Flows and Stein Variational Gradient Descent”.

Research Project Supervision

- Co-supervision of the scientific publication “Action Recognition through Multiple Integrals”, with student Pedro Lara, published in *Jóvenes en la Ciencia*, volume 37, 2025.
- Co-supervision of University of Guanajuato undergraduate Computer Science student Luz Haidé Gallardo Felipe on the research project “Splitting Neural Networks” (2024).
- Supervision of the professional internship project “Action Recognition through the Signature Method” by Luz Haidé Gallardo Felipe (2024).
- Participation as an advisor in the BASI project at the University of Luxembourg¹ (1/2019 - 6/2019). Advisor on the topic “Card Shuffling and Stopping Times”.

Thesis Committee Service

- José Hermenegildo Ramírez González: “Occupation Time Fluctuation Limits, Asymptotic Survival and Variable Fertility of a Bellman-Harris Branching Particle System”. Chair, 30/01/2023
- Santiago Arenas Vellilla: “On the Links Between Stein Transforms and Concentration Inequalities, and Applications to Random Graphs”. Chair, 18/04/2023
- César Andrés Cárdenas Alvarado: “A Concise Introduction to Branching Processes”. Chair, 11/08/2023
- Jesús Anuar López Radilla: “A Model and Bayesian Inference for the Alignment of Dendrochronological Series”. Chair, 04/12/2023
- Isaías Manuel Ramírez Bañales: “Bayesian Response Spectra Attenuation Laws Based on Oscillatory Process”. Secretary, 13/05/2024
- Julián David Candela Coca: “Stochastic Topology of Soft Random Simplicial Complexes”. Secretary, 09/07/2024
- Saúl Rogelio Mendoza Jacobo: “BMT Independence and Signal Separation under Non-Commutative Notions of Independence”. Chair, 26/09/2024
- Juan Esaúl González Rangel: “Deterministic Eigenvalue Processes Arising from Random Matrix Theory and Finite Free Probability”. Chair, 17/10/2024

ACADEMIC SERVICE

- Coordinator of CIMAT’s M.Sc. Program in Probability and Statistics, since November 2025.
- Member of CIMAT’s Graduate Affairs Committee for Probability and Statistics, since November 2024.
- Member of CIMAT’s Scholarship Committee, since February 2024.
- Member of CIMAT’s Undergraduate Affairs Committee, since February 2024.
- Organizer of the Probability Section of the 2026 National Congress of the Mexican Mathematical Society.

¹A program designed to give undergraduate mathematics students an initial introduction to research activities

- Member of the Advisory Board of the Bachelor's Program in Actuarial Science at Universidad Anáhuac Veracruz, Campus Xalapa.
- Participation in the admissions processes for the Bachelor's Programs in Mathematics and Computer Science at the University of Guanajuato.

INTERINSTITUTIONAL- Member of the Advisory Board of the Bachelor's Program in Actuarial Science at
SERVICE Universidad Anáhuac Veracruz, Campus Xalapa.

- Participation in the admissions processes for the Bachelor's Programs in Mathematics and Computer Science at the University of Guanajuato.
- Organizer of the Probability Section of the 2026 National Congress of the Mexican Mathematical Society.

HONORS AND - *Frontier Science Project*: on May 7, 2024, project CBF2023-2024-2088, entitled
AWARDS "Limit Theorems, Stein's Method, and Their Applications", was approved.

- *SNI Level I Distinction*: member of the National System of Researchers (SNI), Level I, since 2022.
- *Himmelberg Award*: award supporting outstanding students in the Department of Mathematics. University of Kansas, 2017.
- *Paul Conrad Scholarship*: established in 2008 in memory of Professor Conrad to recognize outstanding graduate students in mathematics. University of Kansas, 2016.

RESEARCH VISITS I have recently completed the following research visits.

- National Autonomous University of Mexico, visiting Jorge González Cázarez to work on topics related to filtering rough signals.
- University of Luxembourg (Luxembourg, June–July 2024), visiting Mark Podolskij to work on Edgeworth expansions for Gaussian mixtures and their relation to high-frequency statistics.
- Institute for Research in Applied Mathematics and Systems, UNAM (Mexico City, April 2024), visiting Jorge González Cázarez to work on statistics for stochastic processes.
- University of Luxembourg (Luxembourg, June 2023), visiting Giovanni Peccati and Ivan Nourdin to work on fractional Brownian motion and local times.

RESEARCH

Publications

- Natalia Cardona Tobón, Arturo Jaramillo, Sandra Palau. Rates on Yaglom's limit for Galton-Watson processes in varying environment. *Latin American Journal of Probability and Mathematical Statistics (ALEA)* (2024). [\[Link\]](#)
- Chiara Amorino, Arturo Jaramillo, Mark Podolskij. Optimal estimation of local time and occupation time measure for an alpha-stable Lévy process. *Modern Stochastics: Theory and Applications* (2024). [\[Link\]](#)
- Arturo Jaramillo, Ivan Nourdin, David Nualart, Giovanni Peccati. Limit Theorems for Additive Functionals of the Fractional Brownian Motion. *The Annals of Probability* 51(3), 1066-1111 (2023). [\[Link\]](#)

- Louis H. Y. Chen, Arturo Jaramillo, Xiaochuan Yang. A generalized Kubilius-Barban-Vinogradov bound for prime multiplicities. *Latin American Journal of Probability and Mathematical Statistics (ALEA)* (2022). [\[Link\]](#)
- Mario Díaz, Arturo Jaramillo, Juan Carlos Pardo. Fluctuations of matrix-valued Gaussian processes. *Annales de l'Institut Henri Poincaré, Probabilités et Statistiques* (2021). [\[Link\]](#)
- Arturo Jaramillo, Ivan Nourdin, Giovanni Peccati. Approximation of local times: zero energy and weak derivatives. *Annals of Applied Probability* (2021). [\[Link\]](#)
- Arturo Jaramillo, David Nualart. Collision of eigenvalues for matrix-valued processes. *Random Matrices: Theory and Applications* 9(4) (2020). [\[Link\]](#)
- Arturo Jaramillo, Juan Carlos Pardo, José Luis Pérez. Convergence of the empirical spectral distribution of Gaussian matrix-valued processes. *Electronic Journal of Probability* (2019). [\[Link\]](#)
- Arturo Jaramillo, David Nualart. Functional limit theorem for the self-intersection local time of the fractional Brownian motion. *Annales de l'institut Henri Poincaré* (2019). [\[Link\]](#)
- Daniel Harnett, Arturo Jaramillo, David Nualart. Symmetric stochastic integrals with respect to a class of self-similar Gaussian processes. *Journal of Theoretical Probability* (2019). [\[Link\]](#)
- Arturo Jaramillo, David Nualart. Asymptotic properties of the derivative self-intersection local time of fractional Brownian motion. *Stochastic Processes and Their Applications* 127, 669-700 (2017). [\[Link\]](#)
- Octavio Arizmendi, Arturo Jaramillo. Convergence of the fourth moment and Infinite Divisibility: Quantitative Estimates. *Electronic Communications in Probability* 19, 1-12 (2014). [\[Link\]](#)

Preprints

- Jorge González Cázares, Arturo Jaramillo. Robust Scale Estimation in Additive Noise via Weighted Order Statistics (2026). [\[Link\]](#)
- Marco Tulio Gaxiola, Arturo Jaramillo. Non-commutative law of rare events (2026). [\[Link\]](#)
- Flor Martínez-Sermeño, Arturo Jaramillo, Johan Van Horebeek. Adjusted Wasserstein distances for bridging empirical and true distributions with applications to MDS (2026). [\[Link\]](#)
- Arturo Jaramillo, Josué Vázquez-Becerra. Distributional comparison for non-commutative infinitely divisible probability measures (2026). [\[Link\]](#)
- Víctor Bernal, David Flores, Arturo Jaramillo. Attenuated Poisson-Dirichlet approximations for divisibility configurations (2026). [\[Link\]](#)
- Arturo Jaramillo, Sayle Sigarreta. Hockey-Stick Domination and Distributional Comparison on Finite Posets (2026). [\[Link\]](#)
- Víctor Bernal Ramírez, Arturo Jaramillo. Additive functionals of Harmonic samples: the conditioned Dickman regime (2025). [\[Link\]](#)
- Arturo Jaramillo, Antonio Murillo-Salas. Asymptotics for additive functionals of particle systems via Stein's method (2025). [\[Link\]](#)
- Isaías Bañales, Arturo Jaramillo, Heli Ricalde Guerrero. Branching Stein Variational Gradient Descent for sampling multimodal distributions (2025). [\[Link\]](#)

- Mario Díaz, Arturo Jaramillo. Non-commutative Stein's Method: Applications to Free Probability and Sums of Non-commutative Variables (2024). [\[Link\]](#)
- Arturo Jaramillo, Xiaochuan Yang. Approximation of Smooth Numbers for Harmonic Samples: A Stein Method Approach (2024). [\[Link\]](#)
- Arturo Jaramillo, Chiara Amorino, Mark Podolskij. Quantitative and stable limits of high-frequency statistics of Lévy processes: a Stein's method approach (2023). [\[Link\]](#)
- Arturo Jaramillo, James Melbourne. Quantitative limit theorems via relative log-concavity (2022). [\[Link\]](#)
- Louis H. Y. Chen, Arturo Jaramillo, Xiaochuan Yang. A probabilistic approach to the Erdős-Kac theorem for additive functions (2021). [\[Link\]](#)

RECENT
PRESENTATIONS
AND EVENTS

Available slides and certificates can be found on my [personal website](#).

2026

- *Particle Flows for Variational Sampling*. Variedades Matemáticas Lecture Series, UJED, Durango, August 26, 2026.
- *Weighted particle flows for sampling*. Latin American School of Information Theory + Statistics (LASITS), Guanajuato, August 3–7, 2026.
- *Integrated Noise Scale Estimation for Stochastic Integrals via Order Statistics*. XI School in Probability and Stochastic Processes, 2026.
- *Integrated Noise Scale Estimation for Stochastic Integrals*. II French-Mexican Workshop in Probability, Guanajuato, July 6–10, 2026.
- Participation in the Workshop on Applications of Commutative Algebra and Coding Theory, Guanajuato, June 2026.
- Participation in the BIRS Online Workshop *Stein's Method Meets Statistical Learning*, May 2026.
- Participation in the BIRS-CMO Workshop *Recent Developments in Stochastic Analysis*, Oaxaca, May 2026.
- Participation in the Statistics Seminar, CIMAT, Guanajuato, May 20, 2026.
- Participation in BeePy, a workshop on programming and its applications, University of Guanajuato, April 2026.
- Participation in the UDLAP Colloquium, Puebla, April 23, 2026.
- Participation in *Mathematical Foundations of Artificial Intelligence*, IIMAS-UNAM, Mexico City, April 23, 2026.
- Participation in the Probability Seminar, CIMAT, Guanajuato, April 13, 2026.
- Participation in the Universidad Veracruzana Colloquium, Veracruz, February 26, 2026.
- Industrial Problem-Solving Workshop, CIMAT. Customer retention problem, 2026.

2025

- *Fractional Brownian Motion with Small Hurst Parameter*. Probability Seminar, CIMAT, Guanajuato, November 24, 2025.
- *Particle Dynamics for Inference in Multimodal Distributions*. University of Guadalajara Colloquium, November 2025.
- *Branching Stein Variational Gradient Descent*. IIMAS Seminar, Mexico City, October 2025.
- *Non-Commutative Stein's Method*. In memoriam event for Mario Díaz, Mexico City, September 2025.
- *Non-Commutative Stein's Method and Applications to Free Probability*. Interinstitutional Seminar on Random Matrices, Guanajuato, September 2025.
- *Statistical Measurements of Smooth Numbers and Their Relation to Stein's Method*.

- Congress of the Mexican Mathematical Society, September 2025.
- Short course on the Malliavin–Stein method. Probability and Analysis Summer School, Istanbul, July 2025.
- *Statistical Measurements of Smooth Numbers and Their Relation to Stein’s Method*. School of Probability, CIMAT, Guanajuato, April 2025.
- *Statistical Measurements of Smooth Numbers and Their Relation to Stein’s Method*. Probability Seminar, CIMAT, Guanajuato, 2025.
- *Free Berry-Esseen theorem via Stein method*. Commutative and Non-Commutative Probability, Guanajuato, February 2025.
- *High-frequency statistics for Lévy processes: a Stein method perspective*. Montreal-Guanajuato Workshop on Probability and Machine Learning, Guanajuato, February 2025.
- *Fractional Brownian motion with small Hurst*. Cambiando los Tiempos, a tribute to María Emilia Caballero, Mérida, January 2025.

2024

- Participation in the Interinstitutional Seminar on Random Matrices, Mérida, 2024.
- Presentation of undergraduate thesis topics, Universidad Anáhuac, Veracruz, 2024.
- Presentation at the Mexican University Mathematics Olympiad, CIMAT, 2024.
- Participation in the VI Joint RSME-SMM Meeting, Valencia, 2024.
- *Statistical Measurements of Smooth Numbers and Their Relation to Stein’s Method*. Summer School, CIMAT, Guanajuato, 2024.
- Participation in the Student Seminar, CIMAT, Guanajuato, 2024.
- *Some problems related to random matrices and fractional Brownian motion*. Workshop *Fractional Brownian Motion and Its Applications*, University of Luxembourg, 2024.
- *Convex Domination and Limit Theorems*. UNAM Seminar, 2024.
- *Limit theorems for additive functionals of the fractional Brownian motion*. CUWB, Probability on Sea, Playa del Carmen, 2024.

2023

- *A Quantitative Yaglom Theorem in a Varying Environment*. Congress of the Mexican Mathematical Society, 2023.
- Participation in the Symposium on Probability and Stochastic Processes, CIMAT, Guanajuato, 2023.
- *Conversations on Rare Events*. School of Probability, CIMAT, Guanajuato, 2023.
- *Conversations on Rare Events*. Summer School, CIMAT, Guanajuato, 2023.
- *Limit Theorems and Convexity*. Junior Student Seminar, CIMAT, Guanajuato, 2023.
- *Fluctuations of the Conditional Expectation for Local Times and Occupation Times*. Statistics Seminar, CIMAT, Guanajuato, 2023.
- *Limit Theorems and Convexity*. Probability Seminar, CIMAT, Guanajuato, 2023.
- *Limit Theorems and Convexity*. Anniversary of the FCFM-UAS Faculty of Sciences, Culiacán, 2023.
- *Free Breuer-Major theorem*. Interinstitutional Seminar on Random Matrices, Mazatlán, 2023.
- Participant in the Potential Theory Workshop, CIMAT, 2023.
- *High-Frequency Statistics for Lévy Processes: A Stein Method Perspective*. National Statistics Forum, UNAM, Cuernavaca, 2023.
- *Subordinated Gaussian Fluctuations for Additive Functionals of Fractional Brownian Motion*. International Conference on Malliavin Calculus and Related Topics, Luxembourg, 2023.
- Industrial Problem-Solving Workshop, CIMAT. *Forecast analysis for the USD/MXN exchange rate*, 2023.

2022

- *Quantitative Erdős-Kac theorem for additive functions*. Stein Symposium: The Golden Anniversary, Singapore, 2022.
- *Limit theorems for linear statistics of matrix-valued Gaussian processes*. Mexico–Japan Seminar, 2022.

2021

- *Fluctuations of the Spectrum of Matrix-Valued Gaussian Processes*. University of Costa Rica, 2021.
- *Additive Functionals of Fractional Brownian Motion*. Spanish-Language Seminar, 2021.
- *Stein's Method*. Short Talks Seminar, CIMAT, 2021.

2020

- *Additive functions of uniform samples via Stein's method*. Università degli Studi di Milano-Bicocca, 2020.
- *Quantitative Erdős-Kac Theorem*. Probability Seminar, ITAM, 2020.
- *Quantitative Erdős-Kac theorem*. University of Luxembourg, 2020.
- *High frequency statistics and local times of the fractional Brownian motion*. Bernoulli-IMS Symposium, 2020.
- *Limit Theorems, Stein's Method, and Number Theory*. Probability Seminar, CIMAT, 2020.
- *Non-crossing partitions and free cumulants*. Luxembourg PhD Seminar, 2020.
- *Quantitative full Erdős-Kac theorem: a self-contained probabilistic approach*. Technische Universität Berlin, 2020.
- *Fluctuations of the Spectrum of Matrix-Valued Gaussian Processes*. Random Matrices Seminar, CIMAT, 2020.

2017-2019

- *Fluctuations of the spectrum of matrix-valued Gaussian processes*. National University of Singapore, 2019.
- *Fluctuations of the spectrum of matrix-valued Gaussian processes*. University of Luxembourg, 2018.
- *Fluctuations of the Spectrum of Matrix-Valued Gaussian Processes*. Random Matrices and Free Probability Seminar, CIMAT, 2018.
- *Eigenvalue collision for matrix Gaussian processes*. Symposium on Probability and Stochastic Processes, UNAM, 2017.
- *Convergence of the empirical spectral distribution of Gaussian matrix processes*. Probability Seminar, University of Kansas, 2017.

REFeree SERVICE I have served as a referee for the following probability journals:

- Journal of Mathematical Analysis and Applications
- Stochastics
- Statistics & Probability Letters
- Bernoulli
- Random Matrices: Theory and Applications
- Discrete Mathematics
- Electronic Journal of Probability
- Latin American Journal of Probability and Mathematical Statistics
- Annals of Probability
- Brazilian Journal of Probability and Statistics
- Stochastic Processes and Applications
- Electronic Journal of Statistics
- Applied Probability Journals
- Acta Applicandae Mathematicae
- Journal of Theoretical Probability

- Bulletin des Sciences Mathématiques

RESEARCH INTERESTS

My main research interests are:

- Malliavin calculus.
- Stein's method and limit theorems.
- Gaussian processes, with an emphasis on fractional Brownian motion.
- Local times.
- Random matrices and free probability.
- Non-commutative probability.
- Probabilistic number theory.
- Convex analysis.
- Variational inference and particle methods.
- Branching processes.

TEACHING EXPERIENCE

Course Instructor

At the Center for Research in Mathematics (CIMAT):

- Stochastic Models II, M.Sc. Program in Probability and Statistics (January–July 2021)
- Stochastic Calculus, M.Sc. Program in Probability and Statistics (August 2021–January 2022)
- Selected Topics in Probability I: Stein's Method, Ph.D. Program in Basic Mathematics (January–July 2022)
- Measure and Integration, M.Sc. Program in Probability and Statistics (August 2022–January 2023)
- Measure and Integration, Specialization in Probability and Statistics (August 2022–January 2023)
- Consulting, M.Sc. Program in Probability and Statistics (January–July 2023)
- Measure and Integration, M.Sc. Program in Probability and Statistics (August 2023–January 2024)
- Selected Topics in Probability I: Introduction to Malliavin Calculus, Ph.D. Program in Probability and Statistics (January–July 2024)
- Stochastic Models I, M.Sc. Program in Probability and Statistics (August 2024–January 2025)
- Consulting, M.Sc. Program in Probability and Statistics (January–July 2025)

At the University of Luxembourg:

- General Topology (2020)
- Complex Analysis (March 2020–September 2020)

Teaching Assistant

At the University of Kansas (KU):

- Calculus III (Math 127): (January 2017–July 2018, July–December 2017, January–July 2017)
- Calculus II (Math 126): (August 2016–December 2016)
- Calculus I (Math 115): (January 2016–July 2016, August 2015–December 2015, August 2014–December 2014)
- Algebra I (Math 104): (January 2015–July 2015)

At the Center for Research in Mathematics (CIMAT):

- Statistical Models I (August 2013–December 2013)
- Stochastic Models I (August 2013–December 2013)
- Stochastic Models II (January 2013–July 2013)
- Probability and Statistics (August 2012–December 2012)

Online Academic Resources

- CIMAT Probability Seminars 2025.
- Malliavin–Stein Method Website.

RECENT OUTREACH ACTIVITIES

Available certificates and materials can be found on my [personal website](#).

- Outreach article “Action Recognition through Multiple Integrals”, *Jóvenes en la Ciencia*, volume 37, University of Guanajuato, 2025.
- Outreach talk “Gambler’s Ruin”, CIMAT, May 2025.
- Coordinator of the summer research project “Action Classification through the Signature Method”, CIMAT Summer Research Program, 2024.
- Outreach talk “The Geometric Distribution and Prime Factorization”, first Mexican University Mathematics Olympiad, CIMAT, 2024.
- Short course “A Probabilistic Measure of Smooth Numbers”, CIMAT Summer School, 2024.
- Organization of the thematic session “Stochastic Analysis”, XIV Symposium on Probability and Stochastic Processes, CIMAT, 2023.
- Outreach talk “Gambler’s Ruin”, CIMAT, 2023.
- Short course “Divisibility through the Lens of Probability”, CIMAT Summer School, 2023.
- Organization of the XXI School of Probability and Statistics, CIMAT, 2023.
- Outreach talk “A Conversation on Rare Events”, School of Probability and Statistics, CIMAT, 2023.
- Outreach talk “Double or Nothing! The St. Petersburg Paradox”, Higher Technological Institute of Los Reyes, Michoacán, and CIMAT, 2022.
- Short course “Random Walks, Boundary Problems, and What Lies Between”, CIMAT Summer School, 2022.
- Outreach talk “One More? Yes. Another One? Yes. Another One? Well...”, CIMAT, 2022.
- Organization of the XX School of Probability and Statistics, CIMAT, 2022.
- Outreach talk “Benford’s Law and Some of Its Applications”, Higher Technological Institute of Salvatierra and CIMAT, 2022.
- Short course “The Coupon Collector’s Probabilities”, CIMAT Summer School, 2021.
- Organization of the XIX School of Probability and Statistics, CIMAT, 2021.
- Thematic talk “A First Approach to Research in Probability”, State of Mexico Association for Mathematics Education, 2019.

SKILLS

Computing skills: C/C++, MatLab, R, Python.
Other applications: L^AT_EX, MS Office.
Languages:

- Spanish: native language.
- English: full professional proficiency, with six years of experience as an instructor and postdoctoral researcher in the United States, Singapore, and Luxembourg.

Dr. Arturo Jaramillo Gil
Tenured Researcher (Investigador Titular “A”)
Center for Research in Mathematics (CIMAT), A.C.