Luis Mario Chaparro Jáquez

2ND YEAR PhD STUDENT AT THE UNIVERSITY OF LEEDS

Contact information

UoL Profile:	luis-mario-chaparro-jaquez		
Personal Website:	lmcj.xyz	**Work E-mail:**	mmlmcj@leeds.ac.uk
Personal E-mail:	academic@lmcj.xyz	**LinkedIn:**	lmcj

Education

- **PhD: Mathematics.** School of Mathematics, University of Leeds. Leeds, UK. January 2021-present.

- **Undergraduate: Engineering Mathematics.** Facultad de Ingeniería, Universidad Autónoma de Chihuahua. Chihuahua, México. August 2015-December 2019.

Skills

- **Programming languages:** C, Python, R.

- **Languages:** Spanish, English, Italian.

Research experience

- **PhD Project.** "Theoretical analysis of numerical schemes for SDEs". About the developement of theoretical frameworks to implement numerical schemes for SDEs and McKean SDEs with distributional drifts. *Supervisors: Dr. Elena Issoglio and Dr. Jan Palczweski.* University of Leeds.

- **Undergraduate thesis.** "Probability theory with a measure theoretical approach". About the introduction to probability theory from an engineering context. *Supervisor: Dr. José Luis Herrera Aguilar.* Universidad Autónoma de Chihuahua.

Work experience

- **Tutor and Grader**. University of Leeds. Leeds, UK. 2022 - Present.

- **Tutor**. The Brilliant Club. Leeds, UK. 2021 - Present.

- **Data analyst**. Grupo Chaol S.A. de C.V. Cuauhtémoc, México. June 2019 - 2020.

- **Physics laboratory assistant**. Universidad Autónoma de Chihuahua. Chihuahua, México. August 2018 - December 2018.

Volunteering

- **President of the Science Club "Johann Carl Friedrich Gauss" of the Faculty of Engineering**. Chihuahua, México. August 25, 2016 to May 16, 2019.

- **Trainer for the Mexican Mathematical Olympiad in Chihuahua**. Cuauhtémoc, México. 2015-2017.

Talks [t] and poster sessions [p]

- [p] **Convergence Rate for the Numerical Solution of SDEs with Distributional Drift in Besov Spaces**. PGR Seminar School of Mathematics. University of Leeds. Leeds, UK. June, 2022.

- [p] **Convergence Rate for the Numerical Solution of SDEs with Distributional Drift in Besov Spaces**. Third Italian Meeting on Probability and Mathematical Statistics. Alma Mater Studiorum Università di Bologna. Bologna, Italy. June 13-16, 2022.

- [t] **Approximation of Generalised Functions for Numerical Solutions of SDEs**. PGR Statistics Seminar University of Leeds. Leeds, UK. December 8th, 2021.

- [p] **Un camino de métodos probabilísticos a probabilidad formal (A path from probabilistic methods to probability theory)**. Undergraduate thesis report. Poster session. National Congress of the Mexican Mathematical Society. UANL, Faculty of Physical and Mathematical Sciences. Monterrey, México. October, 2019.

- [t] **De métodos probabilísticos a probabilidad formal (From probabilistic methods to probability theory)**. Undergraduate thesis report. Talks Season Aug-Dec 2019 of the Science Club "Johann Carl Friedrich Gauss. UACH, Faculty of Engineering. Chihuahua, México. September 5th, 2019.

- [t] **Face recognition: Implementation of the Viola-Jones Algorithm**. Talk for high school students. State wide conferences season for the "Third State Contest of Physics and Mathematics". Chihuahua, México. March 30 to April 30, 2017.

Schools [s], workshops, conferences or seminars [w] and contests [c]

- [w] **"5th Meeting of Mexican Mathematicians in the World"** Casa Matemática Oaxaca. Oaxaca, México. (Online). 5-10 December 2021.

- [w] **"Seminar Series on Probability and Financial Mathematics"**. University of Leeds. Leeds, UK. (Online). 2021/2022.

- [w] **"British Early Career Mathematicians' Colloquium"**. University of Birmingham. Birmingham, UK. (Online). 15-16 July 2021.

- [w] **"6th Berlin Workshop for Young Researchers on Mathematical Finance"**. Humboldt-Universität zu Berlin. Berlin, Germany. (Online). 23-25 August 2021.

- [w] **"Bath Mathematical Symposium on PDE and Randomness: Summer School"**. University of Bath. Bath, UK. (Online). 1-3 September 2021

- [w] **"Conference Beyond the Boundaries"**. University of Leeds. Leeds, UK. (Online). 4-7 May 2021.

- [w] **"Stochastic Processes and Their Friends"**. University of Leeds. Leeds, UK. (Online). 18-19 March 2021.

- [w] **"Seminar Series on Probability and Financial Mathematics"**. University of Leeds. Leeds, UK. (Online). 2020/2021.

- [s] **"XVII Escuela de Probabilidad y Estadística"**. CIMAT (*Research Institute in Mathematics*). Guanajuato, México. March 27-29, 2019.

- [s] **"Escuela de Matemáticas de América Latina y el Caribe: EMALCA 2018"** (*School of Mathematics of Latin America and the Caribbean*). Faculty of Physical and Mathematical Sciences - UANL. San Nicolás de Los Garza, México. December 3-14, 2018.

- [w] **"Workshop on recent trends for the numerical solution of Partial Differential Equations"**. CIMAT (*Research Institute in Mathematics*). Guanajuato, México. April 17-21, 2018.

- [s] **"XV Escuela de Verano de Matemáticas"** (*XV Summer School in Mathematics*). UCIM-UNAM (Institute of Mathematics of the National Autonomous University of Mexico, Cuernavaca Unit). Cuernavaca, México. June 25-29, 2018.

- [w] **"Taller Introductorio a Java"** (*Introductory Workshop to Java*). UACH, Faculty of Engineering. Chihuahua, México. October 23-27, 2017.

- [s] **Participation as student in the club "Networks: a tour from brains to friends" in the 2017 summer edition of "Clubes de Ciencia México"** (*Science Clubs Mexico*). UACH, Faculty of Engineering. Chihuahua, México. August 6-12, 2017.

- [c] **First place in the "I Contest of Mathematical Skills"**. UACH, Faculty of Engineering. Chihuahua, México. May 6, 2016.

- [w] **Workshop "Geometría para Entrenadores Olímpicos"** (*Geometry for Olympic Trainers*). Pachuca, México. March 17-20, 2016.