

JUAN CAMILO JARAMILLO LONDOÑO

PhD Student in Fundamental Computing — University of Groningen

Contact

Email: j.c.jaramillo.londono@rug.nl
Phone: +31 6 4801 1798
Address: Nijenborgh 9, 9747 AG Groningen, The Netherlands
Nationality: Colombian
Date of Birth: July 20th, 1998
Languages: Spanish (native), English (fluent)
Website: <https://juanjaramillo.nl>

Research Interests

Linear Logic, Logical Foundations of Concurrency, Concurrent and Functional Computation, Session-typed π -calculi.

Education

PhD in Fundamental Computing June 2022–June 2026 (expected)

University of Groningen

Disseration: Logic-based Approaches to Deadlock Freedom in Concurrency (Preliminary Title)

Supervisors: Prof. Dr. Jorge A. Pérez and Dr. Daniel Frumin.

BSc in Applied Mathematics 2020

Pontificia Universidad Javeriana Cali, Colombia.

Thesis: “An Approach to Intuitionistic Propositional Linear Logic as an Institution”

Awarded a Laureate Thesis Distinction

Supervisor: Dr. Carlos Ernesto Ramírez.

Publications

- **39th European Conference on Object-Oriented Programming (ECOOP 2025)**: *Contrasting Deadlock-Free Session Processes*. Juan Jaramillo, Jorge A. Pérez. <https://drops.dagstuhl.de/entities/document/10.4230/LIPIcs.ECOOP.2025.17>
- **35th International Conference on Concurrency Theory (CONCUR 2024)**: *Around Classical and Intuitionistic Linear Processes*. Juan Jaramillo, Dan Frumin, Jorge A. Pérez. <https://drops.dagstuhl.de/entities/document/10.4230/LIPIcs.CONCUR.2024.30>
- **Journal of Logical and Algebraic Methods in Programming (JLAMP)**: *Session-based concurrency in Maude: Executable semantics and type checking*. Juan Jaramillo, Jorge A. Pérez, Carlos A. Ramírez. (2023) <https://doi.org/10.1016/j.jlamp.2023.100872>

Talks

- **39th European Conference on Object-Oriented Programming (ECOOP 2025)** — “Contrasting Deadlock-Free Session Processes”
- **Fourth International Workshop on Recent Advances in Concurrency and Logic (RADICAL 2025)** — Short talk: “Contrasting Deadlock-Free Session Processes”

- **Seminar on Network Types, Coalgebras, Semantics in NL (NetTCS 2024)** — “Around Classical and Intuitionistic Linear Processes”
- **14th Workshop on Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES 2023)** — Short talk: “Session-based concurrency in Maude”
- **Third Workshop on Recent Advances in Concurrency and Logic (RADICAL 2023)** — Short talk: “Session-based concurrency in Maude”

Grants, Scholarships & Awards

Grant for Doctorate Abroad (Ministry of Science of Colombia) Awarded with a competitive ranking of 22nd out of 328 applicants.	2021–present
Laureate Thesis Distinction (BSc) Award for outstanding undergraduate thesis.	2020
Scholarship for Academic Excellence (Pontificia Universidad Javeriana Cali)	2017, 2016

Service

External reviewer 22nd International Colloquium on Theoretical Aspects of Computing (ICTAC 2025)	July 2025
Local co-organizer 19th International Federated Conference on Distributed Computing Techniques (DisCoTec 2024) Groningen, The Netherlands	June 2024
Co-organizer Seminar on Network Types, Coalgebras, Semantics in NL (NetTCS)	2023–present

Teaching

- **Teaching Assistant**
Basic Approaches to the Semantics of Computation, BSc Computing Science
University of Groningen (2025-1b)
Role: I was in charge of designing and grading homework assignments; giving tutorial sessions involving problem solving and student support.
- **Teaching Assistant**
Models and Semantics of Computation, MSc Computing Science
University of Groningen (2025-1a, 2024-1a, 2023-1a)
Role: I was in charge of designing and grading homework assignments; giving tutorial sessions involving problem solving and student support.
- **Teaching Assistant**
Languages and Machines, BSc Computing Science
University of Groningen (2024-2b, 2023-2b)
Role: I was in charge of designing homework assignments and exams; preparing updates and corrections for the textbook used in the course.

- **Assistant Professor**

Clavius Ricci Mathematics Center

Pontificia Universidad Javeriana Cali (2020-1)

Role: I was in charge of providing mathematics support to Bachelor and Master students across all programs.

- **Teaching Assistant**

Differential Calculus for Economics, BSc Economics

Pontificia Universidad Javeriana Cali (2018-2)

Role: I was in charge of giving tutorial sessions involving problem solving and student support.

References

Prof. Dr. Jorge A. Pérez

University of Groningen

Website: <https://www.jperez.nl/>

Email: j.a.perez@rug.nl

Dr. Daniel Frumin

University of Groningen

Website: <https://groupoid.moe/>

Email: d.frumin@rug.nl