

EDUCATION

Université Paris-Cité, Institut de Mathématiques de Jussieu - Paris Rive Gauche. PhD student, under the supervision of François Le Maître and Romain Tessera.	2023-
Université Paris-Saclay. Second year of Master, Mathematics of randomness. First class honours.	2022-2023
Agrégation de mathématiques (competitive examination for teaching). Rank : 27th/338.	2022
Ecole Normale Supérieure Paris-Saclay, Université Paris-Saclay Second year of Master, Formation to higher-education teaching in mathematics. First class honours. First year of Master, Mathematics, Parcours Jacques Hadamard. First class honours. Bachelor, Mathematics. First class honours.	2021-2022 2020-2021 2019-2020
Lycée Louis-le-Grand Preparatory classes : undergraduate intensive course in mathematics and physics.	Paris, France 2016-2019
Lycée Jacques Feyder Baccalauréat. First class honours.	Epinay-sur-Seine, France 2013-2016

RESEARCH INTERNSHIPS

Institut de Mathématiques de Jussieu - Paris Rive Gauche Shannon orbit equivalence. Internship supervisor : François Le Maître.	2023, April-August
Centro de Matemática da Universidade do Porto Extreme values in dynamical systems. Internship supervisors : Ana Cristina Moreira Freitas and Jorge Milhazes Freitas.	2021, April-July
Ecole Normale Supérieure Paris-Saclay, Centre Borelli Use of stochastic differential equations in models usually studied with a deterministic point of view. Internship supervisor : Laure Quivy.	2020, March-June

PUBLICATIONS / PREPRINTS

- [1] Corentin Correia. *On the Absence of Quantitatively Critical Measure Equivalence Couplings*. 2024. arXiv: 2411.07689.
- [2] Corentin Correia. “Rank-One Systems, Flexible Classes and Shannon Orbit Equivalence”. In: *Ergodic Theory and Dynamical Systems* (2024), 1–51. DOI: 10.1017/etds.2024.118. arXiv: 2407.06997.
- [3] Corentin Correia, Ana Cristina Moreira Freitas, and Jorge Milhazes Freitas. “Cluster Distributions for Dynamically Defined Point Processes”. In: *Physica D: Nonlinear Phenomena* 457 (2024), 133968. DOI: 10.1016/j.physd.2023.133968.

TEACHING

Université Paris-Cité Exercise sessions on statistics (L3 Maths)	2024-2025 (2nd semester)
Exercise sessions on probabilities (L3 MIASHS)	2024-2025 (1st semester)
Exercise sessions on statistics (L3 MIASHS)	2023-2024 (2nd semester)
Practice sessions on data science (L3 MIASHS)	2023-2024 (2nd semester)

Oral examiner in preparatory classes, in mathematics :

Lycée Henri IV
Lycée Louis-le-Grand

Paris, France, 2020-2021 and 2022-2023
Paris, France, 2019-2021

Support courses :

IPESUP

Paris, France, 2022-2023

TALKS

Seminar Probability, analysis, statistics	LMBP, Clermont-Ferrand, France, 13-03-2024
PhD seminar	LMBP, Clermont-Ferrand, France, 12-03-2024
Conference "Arbre de Noël 2024 en Géométrie Non Commutative"	Orléans, France, 13-12-2024
PhD seminar	LAREMA, Angers, France, 05-11-2024
Seminar SymPA	LAMFA, Amiens, France, 10-09-2024
Workshop "Orbit equivalence"	Besse-en-Chandesse, France, 11-07-2024
Conference "Groups, Languages, and Random Walks"	Cortona, Italy, 04-06-2024
Conference "Dynamics on zero-dimensional spaces: new connections"	Leiden, Netherlands, 16-05-2024
Seminar Operator algebra	IMJ-PRG, Paris, France, 02-05-2024
PhD seminar	IMJ-PRG, Paris, France, 15-02-2024
Seminar Groups and actions	LMO, Orsay, France, 29-01-2024

ATTENDED CONFERENCES

"Rigidity of isometric actions"	Marseille, France, 24-03-2025 - 28-03-2025
"Arbre de Noël 2024 en Géométrie Non Commutative"	Orléans, France, 12-12-2024 - 13-12-2024
"Parole aux jeunes chercheuses et chercheurs du RT tétraèdre de platon"	ENS de Paris, France, 18-11-2024 - 20-11-2024
"Orbit equivalence"	Besse-en-Chandesse, France, 08-07-2024 - 12-07-2024
"Groups, Languages, and Random Walks"	Cortona, Italy, 03-06-2024 - 07-06-2024
"Dynamics on zero-dimensional spaces: new connections"	Leiden, Netherlands, 13-05-2024 - 17-05-2024
"Coarse geometry and dynamics"	ENS de Lyon, France, 30-08-2023 - 01-09-2023

ACTIVITIES

Co-organizer (with Vincent Dumoncel) of the working group "Geometric group theory and its coarse neighbourhood"	since 2025
Co-organizer of the "Bourbakette" (informal seminar for PhD students at IMJ-PRG)	since 2024
Co-organizer of a meeting between M2 and PhD students at IMJ-PRG	2023 & 2024