

### Employment

- 2024 – Maître de conférences, Sorbonne Paris North University
- 2022 – 2024 Postdoctoral researcher, University of Luxembourg

### Education

- 2019 – 2022 Ph.D. in Mathematics, IMJ-PRG, Paris Cité University
- 2018 – 2019 M.Sc. (M2) in Pure Mathematics, Sorbonne University
- 2015 – 2019 Ingénieur Polytechnicien Program, École polytechnique
- 2011 – 2015 B.Sc. (Hons) in Mathematical Science, Hong Kong Baptist University

### (Pre)Publications

- Apr 2024 *Word-length curve counting on the once-punctured torus*,  
with DAVID FISAC, eprint arXiv:2404.09372
- Dec 2023 *Random surfaces with large systoles*,  
with BRAM PETRI, eprint arXiv:2312.11428
- Dec 2023 *Length spectrum of large genus random metric maps*,  
with SIMON BARAZER and ALESSANDRO GIACCHETTO,  
eprint arXiv:2312.10517,  
Forum Math. Sigma **13**, Paper No. e70, 28 p. (2025).
- Nov 2023 *Low-lying geodesics on the modular surface and necklaces*,  
with ARA BASMAJIAN,  
eprint arXiv:2311.16041, accepted for publication in MRL,
- Feb 2022 *Length partition of random multicurves on large genus hyperbolic surfaces*,  
with VINCENT DELECROIX, eprint arXiv:2202.10255,  
J. Eur. Math. Soc. **27** (2025), no. 12, pp. 5093–5131
- Dec 2019 *Length statistics of random multicurves on closed hyperbolic surfaces*,  
eprint arXiv:1912.11155,  
Groups Geom. Dyn. **16** (2022), no. 2, pp. 437–459

### Teaching

- Sep 2024 – Outils mathématiques de gestion, Traitement numérique des données.  
IUT de Saint-Denis
- 2022 – 2024 Math Forge, Analysis and applications 1, 2 (TD). University of Luxembourg

2019 – 2022 Mathématiques élémentaires 1 (TD), Colles, Mini-projet de mathématiques, Probabilités discrètes (TD), Interactions mathématiques-physique 1 (TD), Initiation à la programmation 2 (TP). Paris Cité University

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## Supervision

2024 – Masoud Ahmadi, PhD thesis, co-supervised with Thierry Monteil and Lionel Pournin

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## Talks

Oct 2025 Dublin Mathematics Colloquium, Trinity College Dublin  
Jun 2025 Séminaire “Géométrie dynamique”, University of Lille  
May 2025 Hyperbolic Geometry Seminar, CUNY Graduate Center, New York  
Mar 2025 Séminaire de Combinatoire, IRIF, Paris Cité University  
Feb 2025 Spectra and Moduli Seminar, Durham University  
Feb 2025 Séminaire de Géométrie, University of Tours  
Feb 2025 Informal analysis and probability seminar, IHES, Bures-sur-Yvette  
Dec 2024 Geometric Topology and Higher Teichmüller Theory Seminar (online), USTC, China  
Dec 2024 Séminaire de Topologie, Grenoble Alpes University  
Nov 2024 Workshop *Random hyperbolic surfaces and random graphs*, CIRM, Marseille  
Nov 2024 Séminaire Géométrie Topologie Dynamique, Paris-Saclay University  
Oct 2024 Geometry seminar, MPI MiS, Leipzig  
Oct 2024 Séminaire de Géométrie Algorithmique et Combinatoire, IHP, Paris  
Oct 2024 Journées MathSTIC Combinatoire & Probabilités, Sorbonne Paris North University  
Jul 2024 AMS-UMI International Joint Meeting, University of Palermo  
Jun 2024 Workshop on Stochastic Geometry and Point Processes, Ruhr University Bochum  
Apr 2024 Séminaire Analyse, University of Strasbourg  
Mar 2024 Séminaire de Systèmes Dynamiques, Sorbonne Paris North University  
Nov 2023 Séminaire Compréhensible, Grenoble Alpes University  
Jul 2023 Geometry & Topology Seminar, ShanghaiTech University  
Apr 2023 Work in Progress seminar in probability, University of Luxembourg  
Jan 2023 Séminaire de théorie ergodique, University of Rennes  
Jan 2023 Séminaire Gaston Darboux, University of Montpellier  
Nov 2022 Geometry and Topology Seminar, University of Bristol  
Oct 2022 Séminaire de géométrie différentielle, University of Lorraine  
Sep 2022 Colloque de Géométrie, Paris-East Créteil University  
May 2022 Conference *Structures on Surfaces*, CIRM, Marseille  
Apr 2022 Workshop on Quantum Geometry, IHES, Bures-sur-Yvette  
Apr 2022 Séminaire Plat, IHP, Paris  
Feb 2022 Séminaire des Thésards, IMJ-PRG, Paris  
Feb 2022 Séminaire Géométrie et Topologie, IMJ-PRG, Paris

Oct 2020 Rencontre Surfaces Aléatoires, University of Bordeaux

## Mini-courses

Dec 2025 *Géométrie et spectre des surfaces hyperboliques aléatoires*,  
winter school *Géométrie & Dynamique à Aussois*, France

Jan 2024 *Weil–Petersson random hyperbolic surfaces*, University of Rennes

## Conferences

Dec 2025 Winter school *Géométrie & Dynamique à Aussois*, France

Sep 2025 Groups, dynamics and surfaces in Paris, Sorbonne University

Aug 2025 Combinatorial and hyperbolic random planar geometry, CIRM, Marseille

Jun 2025 Dynamics and Rigidity, a celebration of the mathematics of Alex Eskin,  
Grand Hotel San Michele, Cetraro, Italy

Jun 2025 Low-dimensional phenomena: geometry and dynamics, IHP, Paris

May 2025 Higher rank geometric structures, Higgs bundles and physics, IHP, Paris

Jan 2025 Perspectives on Markov Numbers, BIRS, Banff, Canada

Nov 2024 Random hyperbolic surfaces and random graphs, CIRM, Marseille

Sep 2024 Riemann Surfaces: Random, Flat, and Hyperbolic Geometry, MFO, Oberwolfach

Jul 2024 AMS-UMI International Joint Meeting, University of Palermo, Palermo

Jul 2024 CMI-HIMR Summer School on Symmetry and Randomness, University of Bristol

Jun 2024 Workshop on Stochastic Geometry and Point Processes, Ruhr University Bochum

Mar 2024 School on flat surfaces and interactions, Le Teich, France

Jan 2024 Sage Days 125: combinatorics, number theory, dynamical systems and geometry,  
Le Teich, France

Dec 2023 Renormalization and Visualization in Geometry, Dynamics and Number Theory,  
CIRM, Marseille

Nov 2023 GDR Platon : Paroles aux jeunes chercheuses et chercheurs  
en géométrie et dynamique, Grenoble Alpes University

Oct 2023 Probability and Geometry in, on and of non-Euclidian spaces, CIRM, Marseille

Jul 2023 IMJ-PRG Summer School: Microlocal and probabilistic methods  
in geometry and dynamics, IMJ-PRG, Paris

May 2023 Groups and Dynamics in Geometry: Celebrating the mathematics  
of Ursula Hamenstädt, Monte Verità, Ascona, Switzerland

Mar 2023 Random Geometry in Math & Physics, Radboud University

Mar 2023 École de Printemps en Géométrie et Dynamique, Lille

Mar 2023 Geometry, Probability and their Synergies Workshop,  
Les Diablerets, Switzerland

Nov 2022 GDR Platon : Paroles aux jeunes chercheuses et chercheurs  
en géométrie et dynamique, Paris-Saclay University

Oct 2022 Random walks and related random topics, University of Göttingen, Germany  
 Sep 2022 Combinatorics, Dynamics and Geometry on Moduli Spaces, CIRM, Marseille  
 Sep 2022 TR Salento 2022, Otranto, Italy  
 Jul 2022 Journées Nancéiennes de Géométrie, University of Lorraine  
 May 2022 Structures on Surfaces, CIRM, Marseille  
 Apr 2022 Workshop on Quantum Geometry, IHES, Bures-sur-Yvette  
 Apr 2022 Mini-rencontre ANR MoDiff, University of Bordeaux  
 Jan 2022 Billards, Autrans, France  
 Sep 2021 Counting problems, Ventotene, Italy  
 Oct 2020 Rencontre Surfaces Aléatoires, University of Bordeaux  
 Sep 2019 Summer School Around Moduli Spaces, Saarland University  
 Jun 2019 Rencontre Surfaces Plates, University of Bordeaux  
 Jun 2019 New Perspectives in Gromov–Witten Theory IMJ-PRG, Paris  
 Jan 2019 Thematic Month: Complex Geometry CIRM, Marseille

## Organization

Jun – Jul 2026 (With Nalini Anantharaman, Nihar Gargava, and Ilaria Viglino)  
 Conference *Random geometry and number theory*,  
 Bernoulli Center, EPFL, Lausanne, Switzerland  
 2025 – (With Timothée Bénard and Charles Fougeron)  
*Séminaire de Systèmes Dynamiques*,  
 Sorbonne Paris North University  
 Mar 2024 (With Viveka Erlandsson and Hugo Parlier)  
 Workshop *Surfaces, Manifolds and Related Topics*,  
 University of Luxembourg  
 2023 – 2024 (With Christian El Emam and Nathaniel Sagman)  
*Geometry and Topology seminar*,  
 University of Luxembourg

## Service

2019 – 2022 Member of the *Bureau des Doctorants* at the IMJ-PRG, University of Paris 6 & 7  
 2019 – 2022 Member of the *Conseil de Laboratoire* at the IMJ-PRG, University of Paris 6 & 7