

Employment

- 2024 – present **Maître de conférences**, *University of Paris 13*
2022 – 2024 **Postdoctoral researcher**, *University of Luxembourg*

Education

- 2019 – 2022 **Ph.D. in Mathematics**, *IMJ-PRG, University of Paris 7*
2018 – 2019 **M.Sc. in Fundamental Mathematics**, *University of Paris 6*
2015 – 2019 **Ingénieur Polytechnicien Program**, *École polytechnique*
2011 – 2015 **B.Sc. (Hons) in Mathematical Science**, *Hong Kong Baptist University*

(Pre)Publications

- April 2024 *Word-length curve counting on the once-punctured torus*,
with DAVID FISAC, eprint arXiv:2404.09372
- December 2023 *Random surfaces with large systoles*,
with BRAM PETRI, eprint arXiv:2312.11428
- December 2023 *Length spectrum of large genus random metric maps*,
with SIMON BARAZER and ALESSANDRO GIACCHETTO,
accepted for publication in *Forum of Mathematics, Sigma*,
eprint arXiv:2312.10517
- November 2023 *Low-lying geodesics on the modular surface and necklaces*,
with ARA BASMAJIAN, eprint arXiv:2311.16041
- February 2022 *Length partition of random multicurves on large genus hyperbolic surfaces*,
with VINCENT DELECROIX, accepted for publication in *JEMS*,
eprint arXiv:2202.10255
- December 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

- September 2024 *Outils mathématiques de gestion, Traitement numérique des données.*
present *IUT Saint-Denis*
- January 2024 *Weil–Petersson random hyperbolic surfaces.*
University of Rennes

- 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).
University of Paris 7

Supervision

- 2022 – 2024 Bachelor thesis, Master student project, Experimental Mathematics Lab project.
University of Luxembourg

Talks

- May 2025 **Hyperbolic Geometry Seminar**, *CUNY*, New York, USA
- March 2025 **Séminaire de Combinatoire**, *IRIF, University of Paris 7*, Paris, France
- February 2025 **Spectra and Moduli Seminar**, *Durham University*, Durham, UK
- February 2025 **Séminaire de Géométrie**, *University of Tours*, Tours, France
- February 2025 **Informal analysis and probability seminar**, *IHES*, Bures-sur-Yvette, France
- December 2024 **Geometric Topology and Higher Teichmüller Theory Seminar (online)**, *UCST*, Hefei, China
- December 2024 **Séminaire de Topologie**, *Grenoble Alpes University*, Grenoble, France
- November 2024 **Random hyperbolic surfaces and random graphs**, *CIRM*, Marseille, France
- November 2024 **Séminaire Géométrie Topologie Dynamique**, *Paris-Saclay University*, Orsay, France
- October 2024 **Geometry seminar**, *MPI MiS*, Leipzig, Germany
- October 2024 **Séminaire de Géométrie Algorithmique et Combinatoire**, *IHP*, Paris, France
- October 2024 **Journées MathSTIC Combinatoire & Probabilités**, *University of Paris 13*, Paris, France
- July 2024 **AMS-UMI International Joint Meeting**, *University of Palermo*, Palermo, Italy
- June 2024 **Workshop on Stochastic Geometry and Point Processes**, *Ruhr University Bochum*, Bochum, Germany
- April 2024 **Séminaire Analyse**, *University of Strasbourg*, Strasbourg, France
- March 2024 **Séminaire de Théorie Ergodique et Systèmes Dynamiques**, *University of Paris 13*, Paris, France
- November 2023 **Séminaire Compréhensible**, *Grenoble Alpes University*, Grenoble, France
- July 2023 **Geometry & Topology Seminar**, *ShanghaiTech University*, Shanghai, China
- April 2023 **Work in Progress seminar in probability**, *University of Luxembourg*, Esch-sur-Alzette, Luxembourg
- January 2023 **Séminaire de théorie ergodique**, *University of Rennes*, Rennes, France

- January 2023 **Séminaire Gaston Darboux**, *University of Montpellier*, Montpellier, France
- November 2022 **Geometry and Topology Seminar**, *University of Bristol*, Bristol, UK
- October 2022 **Séminaire de géométrie différentielle**, *University of Lorraine*, Nancy, France
- September 2022 **Colloque de Géométrie**, *Paris-East Créteil University*, Créteil, France
- May 2022 **Conference Structures on Surfaces**, *CIRM*, Marseille, France
- April 2022 **Workshop on Quantum Geometry**, *IHES*, Bures-sur-Yvette, France
- April 2022 **Séminaire Plat**, *IHP*, Paris, France
- February 2022 **Séminaire des Thésards**, *IMJ-PRG*, Paris, France
- February 2022 **Séminaire Géométrie et Topologie**, *IMJ-PRG*, Paris, France
- October 2020 **Rencontre Surfaces Aléatoires**, *University of Bordeaux*, Bordeaux, France

Conferences

- January 2025 **Perspectives on Markov Numbers**, *BIRS*, Banff, Canada
- November 2024 **Random hyperbolic surfaces and random graphs**, *CIRM*, Marseille, France
- September 2024 **Riemann Surfaces: Random, Flat, and Hyperbolic Geometry**, *MFO*, Oberwolfach, Germany
- July 2024 **AMS-UMI International Joint Meeting**, *University of Palermo*, Palermo, Italy
- July 2024 **CMI-HIMR Summer School on Symmetry and Randomness**, *University of Bristol*, Bristol, UK
- June 2024 **Workshop on Stochastic Geometry and Point Processes**, *Ruhr University Bochum*, Bochum, Germany
- March 2024 **School on flat surfaces and interactions**, Le Teich, France
- January 2024 **Sage Days 125: combinatorics, number theory, dynamical systems and geometry**, Le Teich, France
- December 2023 **Renormalization and Visualization in Geometry, Dynamics and Number Theory**, *CIRM*, Marseille, France
- November 2023 **GDR Platon : Paroles aux jeunes chercheuses et chercheurs en géométrie et dynamique**, *Grenoble Alpes University*, Grenoble, France
- October 2023 **Probability and Geometry in, on and of non-Euclidian spaces**, *CIRM*, Marseille, France
- July 2023 **IMJ-PRG Summer School: Microlocal and probabilistic methods in geometry and dynamics**, *IMJ-PRG*, Paris, France
- May 2023 **Groups and Dynamics in Geometry: Celebrating the mathematics of Ursula Hamenstädt**, Monte Verità, Ascona, Switzerland
- March 2023 **Random Geometry in Math & Physics**, *Radboud University*, Nijmegen, Netherlands
- March 2023 **École de Printemps en Géométrie et Dynamique**, Lille, France

- March 2023 **Geometry, Probability and their Synergies Workshop**,
Les Diablerets, Switzerland
- November 2022 **GDR Platon : Paroles aux jeunes chercheuses et chercheurs
en géométrie et dynamique**, *Paris-Saclay University*, Orsay, France
- October 2022 **Random walks and related random topics**,
University of Göttingen, Göttingen, Germany
- September 2022 **Combinatorics, Dynamics and Geometry on Moduli Spaces**,
CIRM, Marseille, France
- September 2022 **TR Salento 2022**, Otranto, Italy
- July 2022 **Journées Nancéiennes de Géométrie**, *University of Lorraine*, Nancy, France
- May 2022 **Structures on Surfaces**, *CIRM*, Marseille, France
- April 2022 **Workshop on Quantum Geometry**, *IHES*, Bures-sur-Yvette, France
- April 2022 **Mini-rencontre ANR MoDiff**, *University of Bordeaux*, Bordeaux, France
- January 2022 **Billards**, Autrans, France
- September 2021 **Counting problems**, Ventotene, Italy
- October 2020 **Rencontre Surfaces Aléatoires**, *University of Bordeaux*, Bordeaux, France
- September 2019 **Summer School Around Moduli Spaces**,
Saarland University, Saarbrücken, Germany
- June 2019 **Rencontre Surfaces Plates**, *University of Bordeaux*, Bordeaux, France
- June 2019 **New Perspectives in Gromov–Witten Theory** *IMJ-PRG*, Paris, France
- January 2019 **Thematic Month: Complex Geometry** *CIRM*, Marseille, France

Organization

- 2025 – present Co-organiser of the Séminaire de Théorie Ergodique et Systèmes Dynamiques
at the University of Paris 13
- 2024 Co-organiser of the workshop “Surfaces, Manifolds and Related Topics”
at the University of Luxembourg
- 2023 – 2024 Co-organiser of the Geometry and Topology seminar
at the University of Luxembourg

Administration

- 2019 – 2022 Member of the *Bureau des Doctorants* at the IMJ-PRG
- 2019 – 2022 Member of the *Laboratory Council* at the IMJ-PRG

Languages

- Chinese Native speaker
- English Fluent
- French Fluent