

Ons Rameh

✉ orameh@dma.ens.fr | 🌐 onsrameh.github.io

Education and Employment

PhD in Mathematics supervised by Max Fathi at DMA, Ecole Normale Supérieure and LPSM, Université Paris Cité.	2023 –
Teaching Assistant (Caïman) at DMA, Ecole Normale Supérieure.	2023 –
Master 2 in Probability theory and Stochastic models , Sorbonne Université	2021 – 2022
Master 1 in Mathematics , Ecole Normale Supérieure	2020 – 2021
Bachelor's Degree in Mathematics , Ecole Normale Supérieure	2019 – 2020
Bachelor's Degree in Computer Science , Ecole Normale Supérieure	
Student at Ecole Normale Supérieure	2019 – 2023
Classes préparatoires aux grandes écoles MPSI-MP* , Lycée Chaptal	2017 – 2019

Experience

Two-month research visit supervised by Pietro Caputo at University Roma 3.	May. 2025 – Jun. 2025
Research internship supervised by Max Fathi at LPSM, Université Paris-Cité. <i>Interacting Particle Systems: Hydrodynamic Limits and Cut-off Phenomenon</i>	Feb. 2022 – Aug. 2023
Research internship supervised by Cyril Marzouk at Ecole Polytechnique. <i>Vertex isolation procedure applied to Erdős-Rényi graph</i>	Feb. 2021 – Jun. 2021
Research internship supervised by Stéphane Gaïffas at Ecole Normale Supérieure. <i>Outlier detection and adaptive robust regression at noise level</i>	Apr. 2020 – Aug. 2020

Papers

Cutoff phenomenon for asymmetric zero range process with monotone rates ArXiv:2410.05220 , accepted for publication in <i>Annals of Probability</i> .	2024
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Oral Communications

Combinatorics and Discrete Probability , CIRM, Marseille.	Nov. 2025
Saint Flour Summer School , LMBP, Université Clermont Auvergne.	Jul. 2025
Roma 3 seminar , University Roma 3.	Jun. 2025
Workshop: Emergent macroscopic phenomena in non-equilibrium statistical mechanics , GSSI.	Apr. 2025
PhD students seminar , CEREMADE, Université Paris Dauphine.	Fev. 2025
Probability Seminar , LAGA, Université Paris Nord.	Jan. 2025
ICJ-UMPA joint probability seminar , Université de Lyon.	Jan. 2025
Workshop Markov , LJLL, Sorbonne Université.	Dec. 2024
MAP5-LPSM joint probability seminar , Université Paris-Cité.	Nov. 2024
Les Probas du Vendredi , LPSM, Sorbonne Université.	Nov. 2024
MODAL'X probability seminar , MODAL'X, Université de Nanterre.	Oct. 2024
Rencontres de Probabilités 2024 , LMRS, Université de Rouen (Invited talk).	Sept. 2024
Saint Flour Summer School , LMBP, Université Clermont Auvergne.	Jul. 2024
Workshop: Gradient Flows, Large Deviation Theory, and Macroscopic Fluctuation Theory , Bielefeld University (Invited talk).	Jun. 2024
Reading seminar on Mixing times , Université Paris-Dauphine.	May. 2024
PhD students seminar , LPSM, Sorbonne Université.	Mar. 2024
Colloquium for PhD students , DMA, Ecole Normale Supérieure.	Jan. 2024
Probability and Statistics seminar (Phd session) , LPSM, Université Paris-Cité.	Jan. 2024

Conferences, Summer Schools

Combinatorics and Discrete Probability , CIRM, Marseille.	<i>Nov. 2025</i>
Interacting particle systems and related fields , CIRM, Marseille.	<i>Sept. 2025</i>
Particles, Fluids and Patterns: Analytical and Computational Challenges , GSSI, L'Aquila, Italy.	<i>Apr. 2025</i>
Particle Systems and PDE's XII , University of Trieste, Italy.	<i>Sept. 2024</i>
Interaction PDE/Probability , CIRM, Marseille.	<i>Jan. 2024</i>
Mathematics of disordered systems: a tribute to Francis Comets	<i>Jun. 2023</i>
Scaling limits and generalized hydrodynamics , GSSI, L'Aquila, Italy.	<i>Mar. 2023</i>
Inhomegenous Random System , IHP.	<i>Jan. 2023</i>
Saint Flour Summer School , Clermont-Ferrand.	<i>Jul. 2022</i>
Phenomena in High Dimension , IHP.	<i>Jun. 2022</i>
Interaction PDE/Probability , CIRM, Marseille.	<i>Apr. 2022</i>
CRM-PIMS summer school (online).	<i>Jun. 2021</i>

Teaching

Teaching assistant for the course “Mathematical Statistics”, DMA, Ecole Normale Supérieure.	<i>2023–</i>
Teacher for the 1st year course “Mathematics for Economists”, DMA, Ecole Normale Supérieure.	<i>2023–</i>
Bachelor thesis supervision of two students.	<i>2024</i>
Oral examinations for 1st and 2nd year math and physics students in classes préparatoires aux grandes écoles, Lycée Chaptal.	<i>2022–2023</i>

Other professional activities

Co-organizer of the “informal probability workshop”, DMA, ENS.	<i>2024 –</i>
Co-organizer of a tri-annual meetings “Les probas de Demain”, IHP.	<i>2024 –</i>
Co-organizer of “Girl’s Dinner” meetings between students, Ecole Normale Supérieure.	<i>2023 –</i>
Co-organizer of “Week-end DMA”, Ecole Normale Supérieure	<i>2024</i>
Co-organizer of a workshop on “Schramm-Loewner Evolution”, LPSM, Sorbonne Université.	<i>2022 – 2023</i>

Skills

Computer Skills: Python, Ocaml, \LaTeX , Jupyter Notebook
Language: French (Fluent), English (Fluent), Arabic (Native), German (Beginner)