

CURRICULUM VITAE

LUCA ZIVIANI

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Place and date of birth: Soave (VR), 18 January 1998.
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YouTube: [Lin-Aiviz](#)



Skills

Mathematical skills:	Mathematical Analysis, Linear Algebra, Numerical Analysis, Game Theory, Probability, Statistic, Optimization
Programming languages:	Python (Numpy, Manim, OpenCV, SciPy, ...), C++, Matlab, HTML/CSS
Other:	OOP, Data Structures, Algorithms, GitHub
Hobbies:	Piano, Running

Education

2022 - Present;	PhD, Mathematics , Université Paris-Dauphine PSL (Paris). <i>Supervisor:</i> Emeric Bouin <i>Laboratory:</i> (CEREMADE) Centre de recherche en mathématiques de la décision.
2020 - 2022;	Master degree, Mathematics , MAPPA double degree program operated by - University of Padova (Italy) - University Paris Sciences & Lettres (France) <i>Title:</i> Kinetic Theory and Hypocoercivity. <i>Supervisor:</i> Emeric Bouin; Co-supervisor: Daniela. Tonon <i>Final grade:</i> 110/110 cum laude.
2017 - 2020;	Bachelor degree, Mathematics , Università di Padova, Italy. <i>Title:</i> Rademacher and Whitney's Theorems <i>Supervisor:</i> Davide Vittone <i>Final grade:</i> 110/110 cum laude
2013 - 2017;	High school degree , Liceo scientifico Copernico-Pasoli, Verona, Italy.

Teaching

2025 - 2026;	Teaching Assistant , MIDO, Université Paris-Dauphine PSL. - Analysis 1, Bachelor's Degree in Applied Mathematics, 1 st year. - Game Theory, Bachelor's Degree in Applied Mathematics, 3 rd year.
2024 - 2025;	Teaching Assistant , MIDO, Université Paris-Dauphine PSL. - Game Theory, Bachelor's Degree in Applied Mathematics, 3 rd year.
2023 - 2024;	Teaching Assistant , MIDO, Université Paris-Dauphine PSL. - Analysis 2, Bachelor's Degree in Applied Mathematics, 1 st year. - Game Theory, Bachelor's Degree in Applied Mathematics, 3 rd year.
2022 - 2023;	Teaching Assistant , MIDO, Université Paris-Dauphine PSL. - Analysis 2, Bachelor's Degree in Applied Mathematics, 1 st year. - Game Theory, Bachelor's Degree in Applied Mathematics, 3 rd year.

Publications

- E. Bouin, J. Dolbeault, L. Ziviani, *L^2 Hypocoercivity methods for kinetic Fokker-Planck equations with factorised Gibbs states*, Kolmogorov Operators and Their Applications, Springer, 2024. [arxiv](#)
- E. Bouin, J. Evans, L. Ziviani, *Sub-exponential tails in biased run and tumble equations with unbounded velocities*, 2025. [arxiv](#)
- E. Bouin, L. Ziviani, *Convergence to a non-explicit steady state in non-factorized kinetic Fokker-Planck equations with (very) weak velocity confinements*, 2025. [arxiv](#)

Academic Talks

21 May 2025	Junior Analysis Seminar , Imperial College London
28 November 2024	Young Researchers' Seminar, Université Paris-Dauphine
8 October 2024	Modeling, theory and numeric for PDEs , Aussois, France
1-5 July 2024	EWM-EMS Summer School: Kinetic Theory Arising from Mathematical Biology , Institut Mittag-Leffler
10-13 April 2024	EELISA InnoCORE Connect Workshop , Universidad Politécnica de Madrid, Spain.
12 October 2023	Young Researchers' Seminar , Université Paris-Dauphine, France.
28 January 2023	MAFRAN Conference , King's College, Cambridge
23 February 2023	Young Researchers' Seminar, Université Paris-Dauphine

Events

21-27 January 2024	PDE & Probability in interaction , CIRM, Marseille
12-13 December 2023	KineticNet Workshop , University of Warwick
23-25 November 2022	Dernier Workshop du projet ANR EFI , Lyon