

CURRICULUM VITAE

LUCA ZIVIANI

September 2025

Place and date of birth: Soave (VR), 18 January 1998.

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Education

2022 - Present; **PhD, Mathematics**, Université Paris-Dauphine PSL (Paris).

Supervisor: Emeric Bouin

Laboratory: (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)

Title: Kinetic Theory and Hypocoercivity.

Supervisor: Emeric Bouin; Co-supervisor: Daniela. Tonon

Final grade: 110/110 cum laude.

2017 - 2020; **Bachelor degree, Mathematics**, Università di Padova, Italy.

Title: Rademacher and Whitney's Theorems

Supervisor: Davide Vittone

Final grade: 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 Applies Mathematics, 1st year.
- Game Theory, Bachelor's Degree in Applies Mathematics, 3rd year.

2024 - 2025; **Teaching Assistant**, MIDO, Université Paris-Dauphine PSL.

- Game Theory, Bachelor's Degree in Applies Mathematics, 3rd year.

2023 - 2024; **Teaching Assistant**, MIDO, Université Paris-Dauphine PSL.

- Analysis 2, Bachelor's Degree in Applies Mathematics, 1st year.
- Game Theory, Bachelor's Degree in Applies Mathematics, 3rd year.

2022 - 2023; **Teaching Assistant**, MIDO, Université Paris-Dauphine PSL.

- Analysis 2, Bachelor's Degree in Applies Mathematics, 1st year.
- Game Theory, Bachelor's Degree in Applies Mathematics, 3rd 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](#)

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 Mittang-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