Nassim En-Nebbazi

Curriculum Vitae

✉ *nassim.en-nebbazi@inria.fr*
My website *Linkedin*

Academic background

2023- **PhD in Mathematics, Stochastic methods for numerical optimization under PDE constraints**, PhD advisors: Bréhier Charles-Édouard & Dambrine Marc, University of Pau and Pays de l'Adour, LMAP.
Stochastic optimization schemes, strong and weak error, modified equations, Kolmogorov equation (finite and infinite dimension), PDEs & SPDEs.

2021-2023 **Master's in Fundamental Mathematics, Probability Theory**, Track: Advanced Geometry, University of Nice.

2021-2023 **Master's in Mathematical Engineering, Data Science**, University of Nice.

2018-2021 **Double Bachelor's degree in Mathematics and Physics**, University of Nice.

Publications

Articles

2026 **En-Nebbazi Nassim, Urbonas Matas**, *(in progress), Error analysis for stochastic PDE schemes via modified equations*.

2026 **Bréhier Charles-Édouard, En-Nebbazi Nassim**, *(in progress), Asymptotic modified equations and error analysis for stochastic gradient descent and stochastic Heavy-Ball schemes*.

2025 **En-Nebbazi Nassim**, *First-order modified equations and error analysis for stochastic Heavy-Ball schemes*.

2025 **Bréhier Charles-Édouard, Dambrine Marc and En-Nebbazi Nassim**, *Modified equations and error analysis for a semi-implicit stochastic optimization scheme*.

2024 **Bréhier Charles-Édouard, Dambrine Marc and En-Nebbazi Nassim**, *Asymptotic error analysis for stochastic gradient optimization schemes with first- and second-order modified equations*.

Computer skills

Python, *During the Master's and the PhD*.

C++, *During the Master's*.

R, *During the Master's*.

Responsibilities

2025-2026 **PhD student representative on the laboratory council**.

2024-2026 **Organizer of the PhD students' seminar**.

2024-2026 **Organizer of the Nouvelle-Aquitaine regional PhD Days**, *Member of the Margaux federation*.

Seminars and conferences

2026 **Seminar at ENS Rennes**.

2026 **Presentation at the 18th International Zaragoza–Pau Conference, Jaca**.

2026 **Presentation at the Optimization Days, Nice**.

2026 **Presentation at the Young Researchers' Congress in Applied Mathematics, Champs-sur-Marne**.

2025 **Seminar of the Image, Optimization and Probability team, Bordeaux**.

2025 **Presentation at the SMAI Congress, Carcans Maubuisson**.

2025 **Presentation at the PhD Students' Colloquium, La Rochelle**.

2024 **Presentation at the 17th International Zaragoza–Pau Conference, Jaca**.

Teaching

2026 **Teaching assistant, Mathematics for Economists**, *Tutorials*, L1 Economics.

2025 **Teaching assistant, Algebra**, *Lectures & tutorials*, L1 MIASHS-PPPE.

2025 **Teaching assistant, Mathematics for Economists**, *Tutorials*, L1 Economics.

2025 **Teaching assistant, Analysis**, *Tutorials*, L1 Physics-Chemistry.

2024 **Teaching assistant, Algebra**, *Tutorials*, L1 MIASHS-PPPE.

2024 **Teaching assistant, Advanced Probability**, *Tutorials*, L2 MIASHS.