

# Nassim En-Nebbazi

## Curriculum Vitae

 nenebbazi@univ-pau.fr  
 My Website  LinkedIn

### Academic background

- 2023– **PhD in Mathematics, Stochastic methods for numerical optimisation under EDP constraints**, Supervisors : Bréhier Charles-Édouard & Dambrine Marc, Université de Pau et des Pays de l'Adour, LMAP.  
Stochastic optimisation scheme, strong and weak error, modified equations.
- 2021–2023 **Master's Degree in Fundamental Mathematics, Probability Theory, Option: Advanced Geometry**, Université Côte d'Azur.
- 2021–2023 **Master's Degree in Mathematical Engineering, Data Science**, Université Côte d'Azur.
- 2018–2021 **Double Bachelor's Degree in Mathematics and Physics**, Université Côte d'Azur.

### Publications

#### Articles

- 2025 **En-Nebbazi Nassim, Urbonas Matas**, (*in progress*), Error analysis for stochastic PDEs schemes using modified equations.
- 2025 **En-Nebbazi Nassim**, (*in progress*), Second order modified equations and error analysis for 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 et En-Nebbazi Nassim**, Modified equations and error analysis for a semi-implicit stochastic optimization scheme.
- 2024 **Bréhier Charles-Édouard, Dambrine Marc et En-Nebbazi Nassim**, Asymptotic error analysis for stochastic gradient optimization schemes with first and second order modified equations.

### Responsibilities

- 2025- **PhD representative on the laboratory council**.
- 2024- **Organizer of the PhD seminar**.
- 2024- **Organizer of the PhD Days for the Nouvelle-Aquitaine region**, Member of the Margaux federation.

### Seminars and Conferences

- 2025 **Seminar at the Image, Optimization and Probability team, Bordeaux**.
- 2025 **Presentation at the SMAI conference**.
- 2025 **Presentation at the Doctoral Students' Colloquium, Nouvelle-Aquitaine region**.
- 2024 **Presentation at the Seventeenth International Conference — Zaragoza-Pau**.

### Teaching

- 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.**