

# Nassim En-Nebbazi

## Curriculum Vitae

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### 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**, (*being finalised*), Error analysis for stochastic PDEs schemes using modified equations.
- 2025 **En-Nebbazi Nassim**, (*being finalised*), 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.

### 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.