Hugo Eulry

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🌐 https://hugoeulry.github.io/

Employment History

2024 – ⋯⋯   🔖 **Postdoctoral researcher,** UMPA, ENS Lyon.

Education

2021 – 2024   🔖 **Ph.D. in Mathematics**, University of Rennes
Thesis title : *Anderson stochastic quantization and paracontrolled calculus : stochastic PDEs in a singular environment.*

Fall 2022   🔖 **Research stay among Nicolas Perkowski's research group**, Freie Universität Berlin.

2018 – 2021   🔖 **Masters degree in Pure Mathematics**, University of Rennes.
Master 2 internship : *Anderson operator and topological methods,* IRMAR Rennes, supervised by Ismaël Bailleul and Tristan Robert.
Master 1 internship : *Nodal domains for the Laplace eigenfunctions,* McGill University Montreal, supervised by Suresh Eswarathasan and Dmitry Jakobson.

2019 – 2020   🔖 **Agrégation de mathématiques**, ENS Rennes.
Ranked 32nd.

2019   🔖 **Concours cycle master mathématiques**, ENS Rennes.
Ranked 3rd.

2017 – 2021   🔖 **Magistère de mathématiques**, ENS Rennes.
Bachelor internship : *Introduction to elliptic inverse problems,* IECL Nancy, supervised by David Dos Santos Ferreira.

2015 – 2017   🔖 **CPGE MPSI/MP**, Lycée Claude Gellée (Epinal).

Research Publications and Preprints

[1] H. Eulry et A. Mouzard, « Ergodicity of the Anderson Φ_2^4 model, » 2025. 🔗 adresse : https://arxiv.org/abs/2505.11337.

[2] H. Eulry, A. Mouzard et T. Robert, « Anderson Stochastic Quantization Equation, » *Stochastics and Partial Differential Equations : Analysis and Computations*, 2025. 🔗 doi : 10.1007/s40072-025-00397-6.

[3] I. Bailleul, H. Eulry et T. Robert, « Variational methods for some singular stochastic elliptic PDEs, » *Annales de la Faculté des sciences de Toulouse : Mathématiques*, t. Ser. 6, 33, n° 2, p. 469-491, 2024. 🔗 doi : 10.5802/afst.1778.

[4] I. Bailleul et H. Eulry, « Non-local quasilinear singular SPDEs, » 2024. 🔗 adresse : https://arxiv.org/abs/2405.18057.

Scientific responsabilities

Events   🔖 Co-organisation of the *Probability, Analysis and Mathematical Physics* conference with Antoine Mouzard, University Paris-Nanterre, 2025.

Reviews 🔖 Reviewer works for the journal *Stochastics and Partial Differential Equations : Analysis and Computations*.

Conferences, workshops and talks

Talks

March 2025 🔖 **Institut Denis Poisson seminar**, IDP Orléans.
Title : *Gibbs measures, Anderson operator and dynamics in singular environments.*

🔖 **Journée jeunes analystes et modélisateurs**, ICJ Lyon.
Title : *Singular dynamics in singular environments.*

February 2025 🔖 **DynQua Conference**, LAREMA Angers.
Title : *Gibbs measures in singular environments.*

November 2024 🔖 **Journées EDP Auvergne-Rhône-Alpes**, LJK Grenoble.
Title : *Gibbs measures in singular environments.*

June 2024 🔖 **Analysis seminar**, IECL Nancy.
Title : *Gibbs measures in singular environments.*

January 2024 🔖 **Nicolas Perkowski's team seminar**, Freie Universität Berlin.
Title : *Anderson stochastic quantization equation.*

November 2023 🔖 **Landau seminar**, IRMAR Rennes.
Title : *Stochastic PDEs, singular operators and Gibbs measures.*

October 2023 🔖 **ANR Smooth workshop**, IECL Nancy.
Title : *Gibbs measures for the Anderson operator.*

October 2022 🔖 **Nicolas Perkowski's team seminar**, Freie Universität Berlin.
Title : *Variational methods the Anderson operator.*

May 2022 🔖 **Rough paths, stochastic partial differential equations and related topics seminar**, Technische Universität Berlin.
Title : *Mountain pass methods for singular elliptic SPDEs.*

Conferences and workshops

December 2025 🔖 **Gibbs Measures, Wave turbulence and stochastic PDEs workshop**, University Evry-Paris-Saclay.

November 2025 🔖 **Probability, Analysis and Mathematical Physics**, University Paris-Nanterre.

June 2025 🔖 **ANR Smooth Workshop**, ENS Lyon.

May 2025 🔖 **ANR ADA Conference**, ENS Lyon.

February 2025 🔖 **DynQua Conference**, LAREMA Angers.

November 2024 🔖 **Journées EDP Auvergne-Rhône-Alpes**, LJK Grenoble.

October 2024 🔖 **Young researchers in deterministic and probabilistic dispersive equations**, EPFL Lausanne.

May 2024 🔖 **Turbulent.e.s workshop**, Ecole Polytechnique.

October 2023 🔖 **ANR Smooth workshop**, IECL Nancy.

September 2023 🔖 **CIME summer school Statistical Mechanics and Stochastic PDEs**, Cetraro (Italy).

July 2023 🔖 **SPDEvent II**, Universität Bielefeld.

June 2023 🔖 **GDR TRAG workshop**, Paris-Dauphine University.

June 2022 🔖 **GDR TRAG workshop**, Paris-Nanterre University.

December 2021 🔖 **Young TRAG workshop**, IHP Paris.

November 2021   🔖   **Higher Structures Emerging from Renormalization**, Erwin Schrödinger Institüt Vienna.

Teaching

2024 – 2025   🔖   **Analysis & PDEs**, 24h tutorials, L3 ENS Lyon.

   🔖   **Compléments de cours pour l'agrégation externe**, Complex analysis, Hilbert spaces, weak topology, Fourier analysis and PDEs, ENS Lyon.

2023 – 2024   🔖   **Advanced analysis**, 21.5h tutorials, M1 ENS Rennes.

2021 – 2023   🔖   **Partial differential equations**, 24h tutorials, M1 ENS Rennes.

2022 – 2024   🔖   **Compléments de cours pour l'agrégation externe**, "Etude des intégrales à paramètres, espace de Schwartz et théorème de Paley-Wiener", University of Rennes and ENS Rennes.

2021 – 2022   🔖   **Compléments de cours pour l'agrégation externe**, "Réduction de Jordan, décomposition de Dunford, exponentielle et calcul fonctionnel", University of Rennes and ENS Rennes.

2021 – 2024   🔖   **Oraux blancs agrégation externe**, Leçons, modélisation options A et B, ENS Rennes.

   🔖   **Lectures dirigées**, "Quelques méthodes classiques pour les EDP elliptiques", L3 ENS Rennes.