

# 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 Eswarathan 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  $\Phi_2^4$  model, » 2025. 🌐 adresse : <https://arxiv.org/abs/2505.11337>.
- 2 I. BAILLEUL, H. EULRY et T. ROBERT, « Variational methods for some singular stochastic elliptic PDEs, » en, *Annales de la Faculté des sciences de Toulouse : Mathématiques*, t. Ser. 6, 33, n° 2, p. 469-491, 2024.  
🌐 DOI : 10.5802/afst.1778.
- 3 I. BAILLEUL et H. EULRY, « Non-local quasilinear singular SPDEs, » 2024. 🌐 adresse : <https://arxiv.org/abs/2405.18057>.
- 4 H. EULRY, A. MOUZARD et T. ROBERT, « Anderson Stochastic Quantization Equation, » 2024. 🌐 adresse : <https://arxiv.org/abs/2401.12742>.

## Conferences, workshops and talks

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### 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

- 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 Institut Vienna.

### Teaching

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- 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.