

# 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 I. Bailleul, H. Eulry, and T. Robert, “Variational methods for some singular stochastic elliptic PDEs,” en, *Annales de la Faculté des sciences de Toulouse : Mathématiques*, vol. Ser. 6, 33, no. 2, pp. 469–491, 2024. [DOI: 10.5802/afst.1778](https://doi.org/10.5802/afst.1778).
- 2 I. Bailleul and H. Eulry, “Non-local quasilinear singular spdes,” 2024. [URL: https://arxiv.org/abs/2405.18057](https://arxiv.org/abs/2405.18057).
- 3 H. Eulry, A. Mouzard, and T. Robert, “Anderson stochastic quantization equation,” 2024. [URL: https://arxiv.org/abs/2401.12742](https://arxiv.org/abs/2401.12742).

## Conferences, workshops and talks

### Talks

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

## Conferences, workshops and talks (continued)

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- 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

- 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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- 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.