

Hugo EULRY

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Current position

Postdoctoral researcher, 2024 - ...
UMPA, ENS Lyon.

Education

PhD in Mathematics, 2021 - 2024
University of Rennes, Anderson Stochastic quantization and paracontrolled calculus : stochastic PDEs in a singular environment.

Masters degree in Pure Mathematics, 2018 - 2021
University of Rennes.

Agrégation de mathématiques, 2019 - 2020
ENS Rennes, ranked 32nd.

Concours cycle master mathématiques, 2019
ENS Rennes, ranked 3rd.

Magistère de mathématiques, 2017 - 2021
ENS Rennes.

CPGE : MPSI/MP*, 2015 - 2017
Lycée Claude Gellée (Epinal).

Research

Papers

Variational methods for some singular stochastic elliptic PDEs, with I. Bailleul, and T. Robert, to appear in Annales de la Faculté des Sciences de Toulouse, arXiv:2202.09628.

Anderson stochastic quantization equation, with A. Mouzard and T. Robert, arXiv:2401.12742 .

Non-local quasilinear singular SPDEs, with I. Bailleul, arXiv:2405.18057 .

Talks

Nicolas Perkowski's team seminar, January 2024
Freie Universität (Berlin).

Landau seminar, October 2023
IRMAR (Rennes).

ANR Smooth Workshop, October 2023
Institut Elie Cartan de Lorraine (Nancy).

Nicolas Perkowski's team seminar, October 2022
Freie Universität (Berlin).

"Rough paths, stochastic partial differential equations and related topics" seminar, May 2022
Technische Universität (Berlin).

Conferences and workshops

Turbulent e-s workshop, <i>Ecole Polytechnique.</i>	May 2024
ANR Smooth workshop, <i>Institut Elie Cartan de Lorraine (Nancy).</i>	October 2023
CIME summer school Statistical Mechanics and Stochastic PDEs, <i>Cetraro (Italy).</i>	September 2023
SPDEvent II, <i>Universität Bielefeld.</i>	July 2023
GDR TRAG workshop, <i>Paris-Dauphine University.</i>	June 2023
GDR TRAG workshop, <i>Paris-Nanterre University.</i>	June 2022
Young TRAG workshop, <i>IHP (Paris).</i>	December 2021
Higher Structures Emerging from Renormalisation, <i>Erwin Schrödinger Institut (Vienna).</i>	November 2021

Stays and internships

Research stay, <i>Freie Universität (Berlin), research stay among Nicolas Perkowski's team.</i>	Fall 2022
Master internship, <i>IRMAR (Rennes), Anderson operator and topological methods, supervised by Ismaël Bailleul and Tristan Robert.</i>	Spring 2021
Master internship, <i>McGill University (Montreal), Nodal domains for the Laplace eigenfunctions, supervised by Suresh Eswarathasan and Dmitry Jakobson.</i>	Summer 2019
Bachelor internship, <i>Institut Elie Cartan de Lorraine (Nancy), Introduction to elliptic and hyperbolic inverse problems, supervised by David Dos Santos Ferreira.</i>	Summer 2018

Teaching

Advanced analysis, <i>21.5h TD, M1 ENS Rennes.</i>	2023-2024
Partial differential equations, <i>24h TD, M1 ENS Rennes.</i>	2021-2023
Compléments de cours pour l'agrégation externe, <i>"Etude des intégrales à paramètres, espace de Schwartz et théorème de Paley-Wiener", University of Rennes and ENS Rennes.</i>	2022-2024
Compléments de cours pour l'agrégation externe, <i>"Réduction de Jordan, décomposition de Dunford, exponentielle et calcul fonctionnel", University of Rennes and ENS Rennes.</i>	2021-2022

Oraux blancs agrégation externe,
Leçons et modélisation options A et B, ENS Rennes.

2021-2024

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

2021-2024