

Education

- 2019-Today **Ph.D at Laboratoire de Mathématiques d'Orsay**, *Dynamical behavior of dispersive PDE's: from explicit solutions to generic dynamics*, Paris-Saclay University
Supervisors : Nicolas Burq (LMO) and Frédéric Rousset (LMO)
- 2015-2019 **Magistère of Mathematics at Paris-Saclay ENS and University**
- Master in Mathematics at Orsay (with high honours)
 - Agrégation de Mathématiques (national french teaching competitive exam) Rank: 11th
 - Second concours de l'ENS (Ranks : 8th at ENS Paris-Saclay, 7th at ENS Rennes)
 - Bachelor in Mathematics at Orsay (with high honours, Laureate of Hadamard grant)
- 2012-2015 **Classes préparatoires MPSI/MP***, *Lycée Joffre (Montpellier)*
- 2012 **Baccalauréat Scientifique**, *Lycée Agropolis (Montpellier)*
Mention très bien, Spécialité Mathématiques

Publications

- 12/2020 *Asymptotic stability of small ground states*, To appear in
Ann. Inst. Henri Poincaré (C) Anal. Non Linéaire

Preprints

- 03/2022 *Pathological set of initial data for scaling-supercritical nonlinear Schrödinger equations*, with Louise Gassot
Arxiv: <https://arxiv.org/abs/2203.04840>
- 10/2021 *Scattering for the cubic Schrödinger equation in 3D with randomized initial data*
Arxiv: <https://arxiv.org/abs/2110.10752>

Given talks & Invitations

Conferences

- May 2022 Deterministic Dynamics and Randomness in PDE, *Oberwolfach Workshop*, Oberwolfach, Germany
- February 2022 Conférence itinérante du GDR EDP, *Vannes*, France
- June 2021 Conference - Schrödinger equations, *Centre Henri Lebesgue*, Le Croisic, France
- June 2021 Conference - Schrödinger equations, *Centre Henri Lebesgue*, Le Croisic, France

Seminars

- November 2021 ICERM Seminar, *ICERM*, Providence, RI, USA
- October 2021 Postdocs ICERM Seminar, *ICERM*, Providence, RI, USA
- June 2021 Séminaire AN-EDP, *LMO*, Orsay, France
- April 2021 Séminaire de vulgarisation des doctorants, *LMO*, Orsay, France
- October 2020 Séminaire des doctorants en EDP, *LMO*, Orsay, France

Attended conferences and workshops

- December 2021 Invited to the *Simons Collaboration on Wave Turbulence Annual Meeting*, *Simons Foundation's Gerald D. Fischbach Auditorium*, New York city, USA

- September - Invited to the semester *Hamiltonian Methods in Dispersive and Wave Evolution*
- December 2021 *Equations, ICERM*, Providence, USA
- July 2021 Colloque Analyse Harmonique et EDP, *Evry*, France
- July 2021 Conference in honor of P. Gérard 60th anniversary, *LMO*, Orsay, France
- June 2021 Journées EDP, *Obernai*, France
- January 2020 11th Itinerant Workshop in PDEs, *Hausdorff Center for Mathematics*, Bonn, Germany

Responsibilities

- July 2021 Organization committee of the Conference in honor of Patrick Gerard's 60th anniversary , *Orsay*
- 2019-2021 Co-organizer of *Séminaire des doctorants en analyse*, LMO

Teaching

- 2021-2022 Assistant at LMO, *Topology and differential calculus and* , Bachelor 3rd year, Paris-Saclay University
- 2020-2021 Assistant at LMO, *Differential calculus and Geometry*, Magistère 1st year, Paris-Saclay University
- 2020-2021 Assistant at LMO, *Linear Algebra*, Bachelor 2nd year, Math-Physique, Paris-Saclay University
- 2019-2020 Assistant at IUT d'Orsay, *Bachelor 1st year course on calculus*, Paris-Saclay University

Internships

- May-Agust 2019 Master 2nd year internship, *LWP of NLS with a potential and randomized data*
Supervisor : Nicolas Burq (LMO) and Frédéric Rousset (LMO)
- January-June 2017 Master 1st year internship, *Propagation of the wave front of a distribution solution to a linear PDE*
Supervisor : Patrick Gérard (LMO)
- January-June 2016 Magistère 1st year internship, *Topology of the complex plane*
Supervisor : Clémence Labrousse (LMO)
- June-Agust 2016 Magistère internship in applied Mathematics, *Mathematical Geophysics*
Supervisor : Frédéric Bouchette (Géoscience Montpellier)

Computer skills

- Scientific Python,Caml,Matlab,Scilab
- Others Excel, L^AT_EX

Languages

- French Native
- English Fluent
- Spanish Basic