

CURRICULUM VITAE, OCTOBER 2023

Name : GERARD First name : Patrick
Born July 1961 in Dijon (France). French nationality. Married, four children.
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Education.

September 1981–June 1985 : Ecole Normale Supérieure (Paris).
June 1982 : Master of mathematics, université de Paris 7.
July 1983 : Agrégation de mathématiques.
September 1985 : PhD thesis université Paris–Sud, advisor S. Alinhac.
January 1991 : Habilitation à diriger des Recherches en Sciences, Université Paris–Sud.

Positions.

October 1985–September 1991 : Assistant professor at Ecole Normale Supérieure (Paris), department of mathematics
Since October 1991 : Professor, Université Paris-Sud (then Université Paris-Saclay), Orsay, Mathematics department
January 1993 : First class professor
September 2003 : Exceptional class professor (1st level)
September 1993–August 2005 : Part time professor, Ecole polytechnique
September 2009 : Exceptional class professor (2nd level)
October 2015–September 2016 : CNRS “délégation”

Distinctions.

Prix Servant de l’Académie des Sciences (Paris), 1998
Invited speaker, ECM 2004 (Stockholm)
With N. Burq and N. Tzvetkov : Prix IHP-Gauthier-Villars 2004, Analyse non linéaire
2005–2009 : Prime d’Encadrement Doctoral et de Recherche
Invited speaker, ICM 2006 (Madrid)
October 2009–September 2014 : senior member, Institut Universitaire de France
Grand prix Leonid Frank de l’Académie des Sciences (Paris), 2014
2015–2018, 2019–2022, 2023- Prime d’encadrement doctoral et de recherche

Scientific and administrative duties.

- October 1991- October 2004 : organizer of the Orsay weekly PDE seminar, in collaboration with N. Burq from September 1999.
- September 1991 – September 1996 : member of the editorial board of Bulletin et Mémoires de la Société Mathématique de France.
- September 1994 – October 2000 : member of the Mathematics hiring committee of université Paris–Sud, Orsay (vice–chair from September 1994 to September 1997).
- September 1996 - October 2001 : editor in chief of the Annales Scientifiques de l’Ecole Normale Supérieure.
- 1997-2002 : member of the scientific committee, Société Mathématique de France.
- August 2000 – September 2004 : member of CNRS National Committee for Mathematics (hiring, evaluation and promotion of CNRS researchers in Mathematics). Representative of the Mathematics National Committee in the Physics and Mathematics CNRS Department committee.
- September 2000 - September 2006 : director of the master of mathematics of Université Paris-Sud, Orsay.
- February 2005 –December 2009 : director of the team “Numerical analysis and PDEs” of Orsay Mathematics Department.
- August 2006, Santiago de Compostela : member of the French delegation at the IMU Congress.
- From January 2007 : member of the editorial board of Mathematical Research Letters.
- From September 2007 to September 2010 : member of the Scientific Steering Committee of Center for Analysis and Nonlinear PDEs, Maxwell Institute, Edinburgh.
- Chair of the panel “Partial Differential Equations” for ICM 2010 in Hyderabad.
- January 2010- December 2014 : head of Orsay Mathematics Department, director of the Laboratoire de Mathématiques d’Orsay.
- February 2011-December 2014 : member of the steering and executive committee of the Fondation Mathématique Jacques Hadamard, campus Paris- Saclay.
- From April 2012 : member of the editorial board of the Annales de l’Institut Fourier.
- June 2012-June 2017 : member of the committee for Cours Peccot (Collège de France)
- June 2013- June 2015 : member of the academic senate, Université Paris- Saclay.

- February 2016-October 2023 : Editor in chief of Analysis and PDEs, co-editor in chief from January 2022 to October 2023.
- September 2017-September 2022 : Director of the Master Program M1 Mathématiques Fondamentales, Orsay.
- From September 2017 : member of the editorial board of the Annales Henri Lebesgue.

PhD directions.

- (1) Clotilde Fermanian-Kammerer (1995, PR Créteil)
- (2) Luc Miller (1996, MC Nanterre)
- (3) Serge Varjabédian (1997, Professeur classes préparatoires Lycée Faidherbe, Lille)
- (4) Sahbi Keraani (2000, PR Lille)
- (5) Valeria Banica (2002, PR Sorbonne université)
- (6) Ramona Anton (2006, MC Sorbonne université)
- (7) Camille Laurent (2010, chargé de recherches CNRS)
- (8) Oana Pocovnicu (2011, lecturer Edinburgh, United Kingdom)
- (9) Haiyan Xu (2015, assistant professor Canton, China)
- (10) Joseph Thirouin (2018, private activity)
- (11) Ruoci Sun (2020, postdoctoral position, GeorgiaTech)
- (12) Louise Gassot (2021, chargée de recherches CNRS)
- (13) Rana Badreddine (started in September 2021)
- (14) Xi-Chen (started in September 2022)

Invitations to seminars and conferences, 2018-2023.

- (1) NYU Abu-Dhabi, « A conference on PDEs celebrating the contributions of FangHua Lin and Jalal Shatah », January 15-18, 2018
- (2) Mathematical Physics seminar, Bristol, January 26, 2018
- (3) Analysis seminar, London, King's College, March 31, 2018
- (4) Séminaire franco-tunisien, Tunis, February 15-16, 2018
- (5) Journée de lancement des Annales Henri Lebesgue, Nantes, March 31, 2018
- (6) Florianopolis, Brasil, ICM satellite conference on Nonlinear Dispersive Equations, July 27-30, 2018
- (7) Cortona, IndAM meeting : « Linear and Nonlinear Wave Phenomena : Stability, Propagation of Regularity and Turbulence », Sept. 10-14, 2018

- (8) Vienna, Wolfgang Pauli Institute, workshop on nonlinear dispersive equations, October 3-5, 2018
- (9) Bonn, Graduate students in analysis seminar, January 18, 2019
- (10) Rome, La Sapienza, Analysis seminar, January 28, 2019
- (11) SISSA, Trieste, Mathematics Colloquium, January 29, 2019
- (12) Mittag-Leffler Institute, special program and workshop on « Many body theory, effective equations and PDEs », March 11-March 22, 2019
- (13) Paris, Institut Henri Poincaré, conférence en l'honneur de Jean-Yves Chemin, March 25-29, 2019
- (14) Nantes, Journées en l'honneur de Bernard Helffer, April 23-26
- (15) Toronto, Fields Institute, workshop on Nonlinear Dispersive PDEs, May 21-24, 2019
- (16) Mittag-Leffler Institute, workshop on « Nonlinear dispersive waves, solitons and related topics », June 10-14, 2019
- (17) Université de Bourgogne, International conference on « Classical and Quantum Integrability », 2-5 September, 2019
- (18) Vienne (Autriche), workshop on Dispersive equations, Wolfgang Pauli Institute, October 1-4, 2019
- (19) Hammamet (Tunisia), International conference for the 60th birthday of Belhassen Dehman, October 28-30, 2019
- (20) Université de Cergy-Pontoise, Colloquium Mathematics Department, November 18, 2019
- (21) Le Croisic, workshop on Nonlinear Schrödinger equations, May 24-28, 2021
- (22) Zürich University, Analysis seminar, September 22-29, 2021
- (23) Bedlewo (Poland), conference on “Recent trends in nonlinear dispersive equations : equilibria, stability, dynamics”, May 2-6, 2022
- (24) Toulouse : conférence en l'honneur de J.-C. Saut, May 17-19 2022
- (25) Orsay : conférence à la mémoire de J. Ginibre, June 7-10 2022
- (26) Pornichet (Nantes) : conférence sur les formes normales et méthodes de splitting, June 13-17, 2022
- (27) Oberwolfach (Germany), workshop on nonlinear waves and dispersive equations, June 26-July 2, 2022
- (28) University of Pisa, Summer school, September 12-16, 2022

- (29) Hammamet, invited lectures, Colloque tuniso-français d'équations aux dérivées partielles, Hammamet, October 10-14, 2022
- (30) Vienna, Workshop on dispersive equations, October 17-21, 2022
- (31) London, King's College, talk at Analysis and Probability London seminar, February 27- March 3, 2023
- (32) Milan, Talk at Seminario Matematico e Fisico di Milano, May 1-5, 2023
- (33) Bonn, Conference Harmonic analysis and Partial Differential Equations, May 29-June 2, 2023
- (34) Zürich, Conference in memory of Thomas Kappeler, June 5-8, 2023
- (35) Trondheim, Abel symposium, "Waves, nonlinearities and nonlocalities", June 13-June 16, 2023
- (36) Institut Mittag-Leffler, special program on "Order and randomness in PDE", August 30-September 15, 2023

Online talks

- (1) Shanghai, PDE seminar, October 22, 2020
- (2) Princeton University, Analysis seminar, March 1, 2021
- (3) Saint Petersburg, Seminar on Spectral theory and related topics, April 14, 2021
- (4) Karlsruhe Institute of Technology, conference on nonlinear waves and related topics, February 14-18, 2022
- (5) SIAM Webinar, Analysis and Methods on PDE, November 3, 2022
- (6) Michigan University, Differential equations seminar, March 23, 2023
- (7) Karlsruhe Institute of Technology, minicourse and talk at Workshop on Analysis and PDE, March 27-21, 2023
- (8) Seminário de EDP e matemática aplicada, October 4, 2023
- (9) ICMAM Latin America Satellite Conference on Analysis and PDE, October 10-14, 2023