

CURRICULUM VITAE, July 2022.

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, 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 : Prime d'encadrement doctoral et de recherche.

2019-2022 : 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.
- 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.

- From February 2016 : Editor in chief of Analysis and PDEs
- September 2017-August 2022 : Director of the M1 Mathématiques Fondamentales, Orsay.
 - From September 2017 : member of the editorial board of the Annales Henri Lebesgue.

PhD directions.

Clotilde Fermanian–Kammerer (1995, PR Créteil)
 Luc Miller (1996, MC Nanterre)
 Serge Varjabédian (1997, Professeur classes préparatoires Lycée Faidherbe, Lille)
 Sahbi Keraani (2000, PR Lille)
 Valeria Banica (2002, PR Sorbonne université)
 Ramona Anton (2006, MC Sorbonne université)
 Camille Laurent (2010, chargé de recherches CNRS)
 Oana Pocovnicu (2011, lecturer Edinburgh, United Kingdom)
 Haiyan Xu (2015, assistant professor Canton, China)
 Joseph Thirouin (2018, private activity)
 Ruoci Sun (2020, postdoctoral positions, Karlsruhe Institute of Technology, GeorgiaTech)
 Louise Gassot (2021, postdoctoral position, Basel University (Switzerland))
 Rana Badreddine (started in September 2021)
 Xi Chen (to be started in September 2022)

Invitations to seminars and conferences, 2017-2022.

- (31) King's College London, Analysis Seminar, March 2017
- (32) Chambéry, Math Colloquium, March 2017
- (33) Le Havre, popularization talk : « D'Alembert, les lumières et les ondes », cycle « un texte, un mathématicien », March 31, 2017
- (34) San Jose, American Institute of Mathematics Workshop : Mathematical problems of Wave Turbulence, 15-19 May 2017
- (35) Bath, Mathematics Colloquium, June 2017
- (36) Oberwolfach, Conference on nonlinear dispersive equations, June 12-16, 2017
- (37) Institut Henri Poincaré, « Fluids, dispersion and blow up », July 9-13, 2017
- (38) Toronto, Fields Institute, minicourse in the Summer school « Nonlinear Dispersive PDEs and Inverse Scattering », and talk in the workshop « Dispersive PDEs and Inverse scattering in 1D », July 31-August 11, 2017
- (39) Toulouse, Math Colloquium, October 20, 2017
- (40) King's College, London, workshop on « Spectral theory of Hankel operators and related topics », November 2-4, 2017
- (41) NYU Abu-Dhabi, January 15-18, 2018, « A conference on PDEs celebrating the contributions of FangHua Lin and Jalal Shatah ».
- (42) Mathematical Physics seminar, Bristol, January 26, 2018.
- (43) Analysis seminar, London, King's College, March 31, 2018.
- (44) Séminaire franco-tunisien, Tunis, February 15-16, 2018.

- (45) Journée de lancement des Annales Henri Lebesgue, Nantes, March 31, 2018.
- (46) Florianopolis, Brasil, ICM satellite conference on Nonlinear Dispersive Equations, July 27-30, 2018.
- (47) Cortona, Sept. 10-14, 2018, IndAM meeting : « Linear and Nonlinear Wave Phenomena : Stability, Propagation of Regularity and Turbulence. »
- (48) Vienna, Wolfgang Pauli Institute, October 3-5, 2018, workshop on nonlinear dispersive equations.
- (49) Bonn, January 18, 2019. Graduate students in analysis seminar.
- (50) Rome, La Sapienza, January 28, 2019. Analysis seminar.
- (51) SISSA, Trieste, January 29, 2019. Mathematics Colloquium.
- (52) Mittag-Leffler Institute, March 11-March 22, 2019 : special program and workshop on « Many body theory, effective equations and PDEs ».
- (53) Paris, Institut Henri Poincaré : conférence en l'honneur de Jean-Yves Chemin, March 25-29, 2019
- (54) Nantes, April 23-26. Journées en l'honneur de Bernard Helffer.
- (55) Toronto, Fields Institute, workshop Nonlinear Dispersive PDEs, May 21-24, 2019.
- (56) Mittag-Leffler Institute, workshop on « Nonlinear dispersive waves, solitons and related topics », June 10-14, 2019.
- (57) Université de Bourgogne, International conference on « Classical and Quantum Integrability », 2-5 September, 2019.
- (58) Vienne (Autriche), workshop on Dispersive equations, Wolfgang Pauli Institute, October 1-4, 2019.
- (59) Hammamet (Tunisia), International conference for the 60th birthday of Belhassen Dehman, October 2019.
- (60) Université de Cergy-Pontoise, Colloquium Mathematics Department, November 18, 2019.
- (61) Shanghai, PDE seminar, October 22, 2020 (zoom).
- (62) Princeton University, Analysis seminar, March 1, 2021 (zoom).
- (63) Saint Petersburg, Seminar on Spectral theory and related topics, April 14, 2021 (zoom).
- (64) Le Croisic, workshop on Nonlinear Schrödinger equations, , May 24-28, 2021.
- (65) Zürich University, Analysis seminar and scientific collaboration, September 22-29, 2021.
- (66) Karlsruhe University, conference on nonlinear waves and related topics, February 14-18, 2022 (zoom).
- (67) Bedlewo (Poland), conference on “Recent trends in nonlinear dispersive equations : equilibria, stability, dynamics”, May 2-6, 2022.
- (68) Toulouse, conférence en l'honneur de J.-C. Saut, May 17-19, 2022.
- (69) Orsay, conférence à la mémoire de J. Ginibre, June 7-10, 2022.
- (70) Pornichet (Nantes), conférence sur les formes normales et méthodes de splitting, June 13-17, 2022.
- (71) Oberwolfach (Germany), workshop on nonlinear waves and dispersive equations, June 26-July 2, 2022.
- (72) Pisa, Summer school, September 12-16, 2022.
- (73) Hammamet (Tunisia), colloque tuniso-français d'équations aux dérivées partielles, October 10-14, 2022.
- (74) Vienna, workshop on Dispersive equations, Wolfgang Pauli Institute, October 17-21, 2022.

