

MILLET Annie

University diplomas:

- Student of the Ecole Normale Supérieure (ENS) Fontenay aux Roses from 1971 to 1975.
- Maîtrise de Mathématiques of the University Paris VII, June 1973.
- Diplôme d'Etudes Approfondies de Mathématiques (equivalent of Master degree) of the University Paris 6, June 1974, mention « Bien ».
- Agrégation de Mathématiques in 1975 ; rank 1st.
- Thèse d'Etat (replaced by HDR) in Probability « Sur la convergence de processus stochastiques indicés par un ensemble filtrant » directed by A. Brunel, defended on December 18, 1979 at the University Paris 6 ; mention « Très Honorable ».

Positions held:

- « Assistante » at the University of Poitiers from October 1975 to September 1980.
- On a leave of absence (given by the Ministry of foreign affairs) and invited assistant professor at The Ohio State University, Columbus, Ohio, U.S.A., from October 1977 to June 1980.
- « Maître-Assistante » then « Maître de Conférences » at the University of Angers from October 1980 to February 1987.
- Professeur de 2^{ème} classe at the University of Angers from October 1986 to September 1991.
- Promoted as « Professeur de 1^{ère} classe » on January 1990
- Full Professor at the University Paris X Nanterre from October 1991 to January 2003.
- Full Professor at the University Paris 1 Panthéon Sorbonne: February 2003 until October 2018.
- Promoted as « Professeur de Classe Exceptionnelle, 1^{er} échelon » on September 2008 and as « Professeur de Classe Exceptionnelle, 2^{ème} échelon » on June 2012.
- « Prime d'Encadrement Doctoral et de Recherche » (PEDR) from 1990 until 2010 and « Prime d'Excellence Scientifique » (PES) from 2010 to 2017.
- Emeritus Professor at the University Paris 1 Panthéon Sorbonne since October 2018, renewed in October 2025.

Member of international research projects, networks and semesters in foreign research institutions :

- Visiting Assistant Professor at the Ohio State University, Columbus, Ohio (U.S.A.) from October 1977 until June 1980.
- Member of the Tempus Program and of the ATP « Théorie asymptotique des processus stochastiques » with the University of Rennes 1 (1989-1991) ; two weeks stay at the University Nicolas Copernicus in Torun and one week at the University of Warsaw (Poland) in 1989.
- One month invitation at the MSRI in Berkeley (USA) during the semester « Infinite dimensional stochastic analysis » in 1997.
- Member of the research network « Stochastic Analysis » from 1997 until 2001 (one month stay at the Centre de Recerca Matematica in Barcelona within this program).
- Research grant (program SAB 2003-0082) funded by the « Dirección General de Universidades, Ministerio de Educación y Ciencias ». Three months stay at the CRM and the University of Barcelona from October, 2004 to December 2004 funded by this program during a sabbatical semester.
- French director of the PAI Picasso 07130NM : Universities of Nancy, Paris 1 and Paris X in France / University of Barcelona in Spain (2004-2005).
- Member of the research project MBF2003-01345 of the Spanish Ministry of Research from 2004 to 2008.
- Invitation for a 6 weeks long stay at the Mittag Leffler Institute, Stockholm (Sweden), in September and October 2007 during the semester « Stochastic Partial Differential Equations ».
- Invitation for a 3 months stay as Fellow of the Isaac Newton Institute for Mathematical Sciences, Cambridge (UK), from April until June 2010 during the semester « Stochastic Partial Differential Equations (SPDEs) ».

- Invitation for a 2 months stay at the Centre Interfacultaire Bernoulli - Ecole Polytechnique Fédérale de Lausanne (Switzerland) in May and June 2012 during the semester « Stochastic Analysis and Applications ». I gave a series of lectures « Numerical Approximations and SPDEs » during this stay.
- Invitation for a one month stay at the MSRI in Berkeley (USA) in September 2015 during the semester « New Challenges in PDE: Deterministic Dynamics and Randomness in High and Infinite Dimensional Systems ».

Stays in foreing universities, research centers (besides that mentionned above):

- University of Göttingen (Germany), two weeks in 1986.
- Centre de Recerca Matemàtica in Barcelona (Spain) : 3 months in 1987 (October 1st - December 31) ; six weeks in 1990 (January 10 - February 21); one month in 1991 (September 8 – October 6) during the Probability seminar ; one month in 1993 (May) ; one month in 1997 (January 12 - February 11) ;
- Universidad Nacional Autonoma de Mexico (UNAM) and Guanajato center (Mexico): one month in 1997 (August 14 - September 13).
- Ritsumeikan University and Tohoku University (Japan) : (March 29 - April 16, 2013 ; February 14 – March 4, 2014 ; March 7 – March 29, 2015
- University of Wyoming (U.S.A.) from May 26 to June 7, 2014 during the Rocky Mountain Mathematics Consortium Summer School on “Stochastic equations for complex systems: theory and applications”.
- The University of Wyoming, Laramie (USA) from September 26 to October 24, 2016.
- Universitat de Barcelona November 6-20, 2016 and March 5-11, 2017.
- The George Washington University, Washington DC (USA) from March 17 to May 13, 2017.
- The University of Wyoming, Laramie (USA) from October 7 to October 28, 2017.
- Research in Pairs with Marta Sanz-Solé at the MFO, Oberwolfach (Germany), June 24-July 7, 2018.
- University of Edinburgh (United Kingdom) supported by the Edinburgh Mathematical Society and the Royal Society of Edinburgh, September 16 to October 20, 2018.
- Florida International University, Miami (U.S.A.), February 1st-17, 2019.
- Research in Pairs with Hakima Bessaih at the MFO, Oberwolfach (Germany), March 4-23, 2019.
- The University of Wyoming, Laramie (USA) October 10-31, 2019.
- Florida International University, Miami (U.S.A.), February 23 – March 6, 2020.
- Mathematics Department of Instituto Superior Técnico, Lisboa (Portugal), December 3-14, 2023.
- Florida International University, Miami (U.S.A), May 5-19, 2024.

Short description of my research in the past five years.

Since 2019, I worked on several aspects of non-linear SPDEs related to several physical models.

- Numerical aspects of hydrodynamical models, such as the 2D Navier-Stokes equations and the 2D Boussinesq and Bénard models, as well as the 3D Navier-Stokes equations with an additional Brinkman-Forchheimer smoothing term (with H. Bessaih and Z. Brzezniak)
Starting from an H^1 -valued initial condition, in the case of a multiplicative stochastic perturbation, we obtained an “optimal” rate of convergence in probability (almost $1/2$) for implicit time Euler schemes and full discretization by means of finite elements. As expected, the rate of convergence of the space approximation is twice that of the time one. The proof relies on some time-regularity of the solution in various Sobolev norms and the strong convergence for some “localized” process. In the case of an additive noise, we proved that an implicit scheme has a strong (that is in $L^2(\Omega)$) rate of convergence almost $1/2$; the argument relies on the existence of exponential moments both for the solution and the time scheme. We are currently working on an extension of this result for 3D Boussinesq equations with a Brinkman-Forchheimer smoothing.

In a submitted paper with C.E. Bréhier and S. Cox we study the weak convergence rate of Galerkin approximations of a stochastic 1D Burgers equation subject to an additive noise. The proof uses Kolmogorov equation and – as expected – the weak rate is twice the strong one.

- Blow-up phenomenon for the focusing Non-Linear Schrödinger equation subject to a multiplicative noise written in Stratonovich. In a submitted paper with S. Roudenko, we prove some quantitative information about blow-up probability and time for L^2 critical and inter-critical non-linearities for multiplicative and additive random perturbations. We prove that there is blow-up with positive probability if the strength of the noise is “small” and the initial condition is in H^1 with positive energy (in situations where there would be a deterministic blow-up). In the H^1 critical case in dimension up to 5, in a current project with S. Roudenko we prove local well posedness (for defocusing/defocusing non linearities) and study similar properties of maximal existence time and blow-up for a focusing nonlinearity. This a quantitative study of the “regularization by noise” already observed by A. de Bouard and A. Debussche for focusing NLS equations. In that framework analysts can prove “small data results”, that is totally different behaviors (blow-up / scattering) depending on various Sobolev norms of the initial condition compared to that of the “ground state”. With S. Roudenko, A. Rodriguez and K. Yang we also studied numerically these blow-up time/probability in dimension 1, as well as blow-up profiles. Once blow-up occurs, the profile is not affected by the noise.
Let me also mention a submitted paper (with A.B. Cruzeiro and J.B. Casteras) about Gibbs invariant measures and the existence of a flow for a Non-Linear defocusing Schrödinger equation on the torus. We recover known results using a different approach based on the existence of surface measures proved by H. Airault and P. Malliavin.
- In a joint paper with M. Sanz-Solé we also studied a wave equation in dimensions 1-3 with super-linear coefficients and submitted to a homogenous multiplicative stochastic perturbation.

Invited talks in international conferences.

30 talks in international conferences (and 10 in national ones) from 1978 to 2009. The list below it that of talks on invitation in international conferences since 2010. I had to decline about 20 invitations (not listed) during this period, mainly because I was research vice-president of the University Paris 1 from May 2012 to April 2016.

2010

- * Workshop SPDEs: Stochastic Partial Differential Equations (SPDEs), the Isaac Newton Institute for Mathematical Sciences, Cambridge (UK), January 4-8;
- * Workshop Stochastic Control in Finance, Roscoff (France), March 18-23;
- * Workshop on Stochastic Analysis at Telecom ParisTech, Paris (France), June 14-15;
- * Workshop Stochastic Partial Differential Equations (SPDEs): Approximation, Asymptotics and Computation, Isaac Newton Institute for Mathematical Sciences, Cambridge (UK), June 28-July 2;
- * International Conference on Modern Stochastics, Kiev (Ukraine), September 6-10.

2011

- * Conference on Malliavin Calculus and Stochastic Analysis, Laurence Kansas (USA), March 19-21;
- * Workshop Women in Applied Mathematics in Heraklion (Crete), May 2-6;
- * Conference on Evolution Equations, Randomness and Asymptotics, Bad Herrenalb (Germany), October 10-14;

In June 2011, I also gave a talk in a parallel session of the SPA conference in Oaxaca.

2012

- * Recent Developments in Stochastic Analysis and Applications at Centre Interfacultaire Bernoulli, EPFL, Lausanne (Switzerland), January 30 - February 3;
- * Stochastic Analysis and Stochastic Partial Differential Equations, Banff International Research Station for Innovation and Discovery (Canada), April 1-6;
- * Workshop on Stochastic Analysis and Applications, Centre Interfacultaire Bernoulli, EPFL, Lausanne (Switzerland), June 4-8;

* Workshop “Stochastic Analysis and Applications”, Stochastic PDEs meeting at the Isaac Newton Institute, Cambridge (UK), September 10-14,

2013 Workshop Theory and applications of stochastic PDEs, Minneapolis (USA), January 14-18.

2014

* Conference SPDEs and Applications – IX, Levico Terme (Italy), January 6-9;

* Workshop Infinite Dimensional Stochastic Systems, Wittenberg (Germany), January 13-16,

* Conference Advances in mathematical fluids dynamics, Stochastic & deterministic methods, Lisboa (Portugal) June 30-July 5.

2015

* Stochastic Partial Differential Equations session, 10th IMACS Seminar on Monte Carlo Methods (MCM2015) to in Linz (Austria), July 6-10;

* Conference in honor of Professor Vlad Bally, Le Mans, October 6-9.

2016

* Conference “Stochastic Partial Differential Equations and Applications – X”, Levico Terme, may 29 - june 4;

* Conference of Stochastic Analysis (in honor of István Gyöngy’s 65th birthday)”, September 10-12.

2017

* “Workshop on Stochastic Differential Equations: Regularity and Numerical Analysis in Finite and Infinite dimensions”, Oberwolfach (Germany), February 5-11;

* Conference in honor of the 75th Birthday of Nikolai Krylov “Non linear PDEs, Stochastic Control and Filtering: New Methods and Applications”, IDMS Edinburgh (UK), 29 may 29-june 2;

* “Workshop on BSDEs and SPDEs and their Applications”, Edinburgh, July 3-7.

2018

* CIMPA School “Recent developments in stochastic dynamics and stochastic analysis” in Hanoi (Vietnam), March 5-18;

* Plenary speaker at the 40th Conference on Stochastic Processes and their Applications (SPA 2018), Chalmers University Göttenburg (Sweden), June 11-15;

* Recent advances in random processes (in honor of Paolo Baldi), Rome (Italy), September 10-11;

* Workshop Nonlinear Stochastic Evolution Equations: Analysis, Numerics and Applications, TU Berlin, December 6-8.

2019

* Conference “Numerical Methods for SPDEs: 20 Successful Years and Future Challenges”,

Mittag Leffler Institute, Stockholm (Sweden), May 20-25;

* Workshop “Touch Down in Stochastic Analysis in Bielefeld”, Bielefeld (Germany), September 25-26.

2020 *The Special sessions “Deterministic and stochastic dispersive equations” and “Stochastic Partial Differential Equations of the 13th AIMS Conference on Dynamical Systems, Differential equations and Applications, Atlanta (USA), scheduled on June 5-9 June 5 have been postponed because of the Covid-19 pandemic. The Conference “Computational Methods in Applied Mathematics 2020 » (CMAM-9), scheduled at the TU Vienna (Austria), on July 13-17 has been postponed because of the Covid-19 pandemic.*

2021

* Workshop “Women in Applied Mathematics”, zoom conference organized by the University of Heraklion (Greece), February 19.

The Workshop “Stochastic Partial Differential Equations” at the Erwin Schrödinger Institute (ESI) in Vienna, February 8-12 has been postponed due to the Covid-19 pandemic. The Conference Computational Methods in Applied Mathematics (CMAM 2020/2021), TU Universität Vienna, re-scheduled September 13-17 has been postponed again because of the Covid-19 pandemic.

2022

Conference on Stochastic Analysis and Stochastic Partial Differential Equations, CRM, Barcelona (Spain), Mai 30 - June 3.

2023

- * Workshop NASPDE (Numerical Analysis of Stochastic Partial Differential Equations), Eurandom Eindhoven (Netherlands) May 15-17.
- * Workshop “Stochastic Computation” part of the Conference of the Foundations of Computational Mathematics (FoCM 2023), Paris June 12-21.
- * International Conference on Malliavin Calculus and Related Topics: A Celebration of David Nualart and Anton Thalmaier, University of Luxembourg, June 12-16, 2023.
- * 11th Conference on Stochastic Analysis and its Applications (ICSA), ICMS Edinburgh, June 26-30 (*Organizing Committee; no talk given during this conference*).
- * SPDEs, optimal control and mean field games, analysis, numerics and applications, University of Bielefeld (Germany), July 10 -14.
- * Second international conference on Physics and its Applications, Hybrid conference July 17-20. Online talk on July 19.

2024

- * Workshop “Stochastic PDEs”, Erwin Schrödinger Institute, Vienna (Austria), February 12-16.
- * Workshop “SPDEs below sea level”, TU Delft (Netherlands), July 1-5.
- * Closing conference of the INI satellite program on “Diffusions in machine learning: Foundations, generative models and non-convex optimisation” (DML), co-organized by the Isaac Newton Institute and the Alan Turing Institute, London (United Kingdom), July 15-19.

2025

- * Workshop “Deterministic and Stochastic Evolution Equations”, Scuola Normale Superiore de Pisa (Italy), January 13-17.
- * Workshop “Numerical Modelling of nonlinear Stochastic Systems”, International Centre for Mathematical Sciences (ICMS) Edinburgh (United Kingdom), April 7-11.
- * Workshop New trends of stochastic nonlinear systems: well-posedness, dynamics and numerics, October 20-24.

2026 (scheduled)

- * Conference “Celebrating Probability and Stochastics at EPFL”, Ecole Polytechnique Fédérale de Lausanne, Lausanne (Switzerland), April 13-15.
- * Workshop on stochastic Navier-Stokes equations, Essen (Germany), June 15-18.
- * Special sessions “Stochastic Partial Differential Equations” and “Stochastic and randomness in physical models” of the 15th AIMS Conference at Athens (Greece), July 6-10. I am also co-organizing the special session “Numerical Methods for SPDEs: Bridging Theory and Applications” in this conference.

Other shorter invitations and seminars:

- Apart the stays mentioned above in foreing universities and research centers, I was invited for shorter stays in the EPFL (Lausanne, Switzerland), University Tor Vergata Roma 2 (Italy), University of Erlangen

(Germany), Academy of Sciences in Prague (Czechoslovakia), Maxwell Institute of the University of Edinburgh (UK), Mathematical Institute, Oxford (UK).

- I gave seminar talks and colloquium talks in about 36 foreign universities and 22 french ones.
- Invitation at the “Data Science Department of Eurocom” (Sophia Antipolis) May 12-13 2015. This invitation is connected with the talk I gave in London in July 2024 in a INI satellite program “Diffusions in machine learning: Foundations, generative models and non-convex optimization”.

Graduate courses in french and foreign universities:

- On anticipating stochastic Calculus (Universitat Nicolas Copernicus, Torun, Poland) in 1989.
- Introduction to Large Deviations (UNAM, Mexico) in August 1993.
- Large Deviations and Applications, “DEA de Probabilités”, Université Pierre et Marie Curie – Paris 6) from 1994 to 2004.
- Monte Carlo methods, “DEA which became Master 2 “Modélisation Aléatoire” (University Paris Diderot – Paris 7 and University Paris 1 Panthéon Sorbonne from 2003 until 2017.
- On discretization schemes for Stochastic Partial Differential Equations, Lausanne, May 2012.
- Monte Carlo Methods “Rocky Mountain Summer School in April 2014.
- Stochastic Calculus, Master 2 MMF from 2005 to 2012.
- On Non-Linear Stochastic PDEs in the George Washington University (Washington DC) in 2017.
- On Large Deviations and Applications, CIMPA School, Hanoi (Vietnam) in March 2018.
- On Large Deviations, University of Edinburgh (UK) in September-October 2018.
- On blow-up for stochastic NLS equations, University of Florida, Miami (USA), February 2019.

Thesis direction: Mohamed Mellouk (1999), Fabien Chenal (2000), Caroline Cardon-Weber (2001), Omar Aboura (2014)

Responsabilities in research activity:

- Organization of a working group in Paris 6 from 1990 to 1992;
- Organization of a conference in Angers in 1987;
- Organization of 3 sessions in conferences Journées « MAS »;
- Co-organization of the monthly seminar « Le Mans-Angers-Rennes » in 1990 and 1991;
- Head of the group « Statistics, Stochastic Processes and Stochastic Models » from 2004 to 2009;
- Co-organization of the conference « Stochastic Dynamics » in Paris 1 in June 2007;
- Head of the group « Evolution Equations » of the research team SAMM (Paris 1 -EA 4543) from 2009 to 2012.

Main research evaluation activities:

- Member of the national jury in Mathematics for Research grants (PEDR) 2002 - 2004 / Expert for research programs « ANR blancs » and « ANR jeunes chercheurs » in 2005 - 2007, 2013 and 2014 / Expert for research programs in the Nederlands (2000 and 2002), Italy (PRIN Projects evaluation cineca) since 2004, Chili (Fondecyt, ECOS-Sud) in 2008 and 2009, Canada (Natural Sciences and Engineering Research Council of Canada) in 2012 and 2014.
- Associate editor of the following journals: Electronic Journal of Probability since 2012-2018, Electronic Communications in Probability 2012-2018, de Communications on Stochastic Analysis since 2009.
- Invited editor for the special issue of Stochastic Partial Differential equations, Analysis and Computations (10-3) dedicated to Istvan Gyöngy for his 70th birthday (appeared in September 2022).
- Frequent referee for about 30 periodicals in probability.
- Member of the « Commission des HDR de Mathématiques de la Région Parisienne » from 2003 until 2017.
- Referee of around 20 HDR and doctorates (9 since 2006).
- Member of the jury of around 21 HDR and 36 doctorates (22 since 2006).

- External member of evaluation committees for promotion for the University of Edinburgh (2017 and 2019), and Chalmers (2020 and 2024).

Other national responsibilities:

- Member of the jury for the « Agrégation de Mathématiques » from 1984 until 1987.
- Elected at the board of the French Mathematical Society (SMF) from 1989 à 1995.
- Treasurer of the SMF from 1989 to 1991, in charge of the « Officiel des Mathématiques » from 1992 to 1995.
- Elected on the board of the group MAS of the French Applied Mathematical Society (SMAI) from 1991 until 1993.

Administrative duties in the universities I worked in:

University of Angers :

- Elected at the Administration Council, University of Angers 1981- 1982.
- Elected at the Council of the « Sciences Department » from 1987 to 1991.
- Elected president of the Computer Sciences hiring committee 1988 – 1990.

University Paris X :

- Elected at the Scientific Council (1992-1993), Elected at the Administration Council (1998-2002).
- Elected president of the Mathematics and Computer Sciences hiring committee (1994-1997 and 2001-2003).

University Paris 1 :

- Co-direction of the Master « Probabilités et Modèles Aléatoires » (with Paris 7) from 2003 to 2016.
- Elected president of the « mathematics and computer sciences hiring committee » (2004-2012).
- Elected at the council of the Mathematics and Computer Sciences Department (2006 – 2010).
- Elected at the University Research Council from May 2008 until May 2016.
- Elected Research Vice President of the University Paris 1 Panthéon Sorbonne from June 2012 until May 2016.

MILLET Annie – Publications

Article submitted for publication:

- Casteras, J.B., Cruzeiro, A.B. and Millet, A., New invariant measures for the cubic Schrödinger equation, arXiv:2502.02162.
- Millet, A. and Roudenko, S., Well-posedness of the focusing stochastic nonlinear Schrödinger equation: L^2 -critical and supercritical cases, arXiv.2511.07072.

Almost complete projects (should be submitted beginning of 2026):

- Millet, A. and Roudenko, S., Well-posedness of the defocusing/focusing stochastic energy- H^1 -critical nonlinear Schrödinger equation.
- Bessaih, H. and Millet, A., On the stochastic 3D Bénard model with Brinkman-Forchheimer smoothing.

Articles published in international journals (the references are listed in decreasing order of publication dates)

1. Bréhier, C.E., Cox, S. and Millet, A. Weak convergence rates of Galerkin approximations for the stochastic Burgers equation driven by additive trace-class noise, to appear in POTA, arXiv:2412.18338.
2. Bessaih, H. and Millet, A., Rate of convergence of a semi-implicit Euler scheme for a 2D Bénard-Boussinesq model with additive noise, *Stochastic Partial Differential Equations: Analysis and Computation*, (special issue: In Memory of Giuseppe Da Prato), published online January 31, 2025, arXiv:2411.02590.
3. Bessaih, H. and Millet, A., Speed of Convergence of Time Euler Schemes for a 2D Boussinesq Model, *Mathematics, Special Issue “Computational Methods in Nonlinear Analysis”*, 10 (2022), n° 4246.
4. Bessaih, H. and Millet, A., Space-time Euler discretization for the stochastic 2D Navier-Stokes equations, *Stochastic Partial Differential Equations, Analysis and Computations*, 10-4 (2022), p. 1515-1558.
5. Bessaih, H. and Millet, A., Strong L^2 convergence of time Euler schemes for 3D Brinkman-Forchheimer-Navier-Stokes equations, *Stochastic Partial Differential Equations, Analysis and Computations* (special issue in honor of I. Gyöngy), 10-3 (2022), p. 1005-1049.
6. Bessaih, H. and Millet, A., Strong rates of convergence of space-time discretization schemes for the 2D Navier-Stokes equations with additive noise, *Stochastic and Dynamics*, 22-2 (2022), paper 224005 (40 pages).
7. Millet, A., Roudenko, S. and Yang, K., Behaviour of solutions to the 1D focusing stochastic L^2 -critical and supercritical nonlinear Schrödinger equations with space-time white noise, *IMA Journal of Applied Mathematics*, 86-6 (2021), p. 1349-1396.
8. Millet, A. and Sanz-Solé, M., Global solutions to stochastic wave equations with superlinear coefficients, *Stochastic Processes and their Applications*, 139 (2021), p. 175-211.

9. Millet, A., Roudenko, S., Rodriguez, A. and Yang, K., Behavior of solutions to the 1D focusing stochastic nonlinear Schrödinger equation with spatially correlated noise, *Stochastic Partial Differential Equations, Analysis and Computations*, 9-4 (2021), p. 1031-1080.
10. Gyöngy, I. and Millet, A., Accelerated finite elements schemes for parabolic stochastic partial differential equations, *Stochastic and Partial Differential equations: Analysis and Computations*, 8-3 (2020), p. 580-624.
11. Bessaih, H. and Millet, A., Strong L^2 convergence of time numerical schemes for the stochastic two-dimensional Navier-Stokes equations, *IMA Journal of Numerical Analysis*, 39-4 (2019), p. 2135-2167.
12. Bessaih, H. and Millet, A., On stochastic modified 3D Navier Stokes with anisotropic viscosity, *J. of Mathematical Analysis and Applications*, 462-1 (2018), p. 915-956.
13. Millet, A. and Roudenko, S., Generalized KdV equation subject to a stochastic perturbation, *Discrete and Continuous Dynamical Systems, Series B*, 23-3 (2018), p. 1177-1198.
14. Antolopoulo, D., Karali, G. and Millet, A., Existence and regularity of solutions for a Stochastic Cahn-Hilliard / Allen-Cahn equation with unbounded noise coefficient, *J. of Differential Equations* 260 (2016), p. 2383-2417.
15. Bessaih, H., Brzezniak, Z. and Millet, A., Splitting up method for the 2D stochastic Navier-Stokes equations, *Stochastic Partial Differential Equations, Analysis and Computations*, 2-4 (2014), p. 433-470.
16. Brzezniak, Z. and Millet, A., On the Stochastic Strichartz Estimates and the Stochastic Nonlinear Schrödinger Equation on a Compact Riemannian Manifold, *Potential Analysis*. 41-2 (2014), p. 269-315.
17. Bessaih, H. and Millet, A., LDP and the zero viscosity limit for the 2D stochastic NSE with a free boundary, *SIAM Journal on Mathematical Analysis* 44-3 (2012), p. 1861-1893.
18. Chueshov, I. and Millet, A., Stochastic 2D hydrodynamical systems: Wong-Zakai approximation and Support theorem, *Stochastic Analysis and Applications*. 29-4 (2011), p. 570-611.
19. Chueshov, I. and Millet, A. Stochastic 2D hydrodynamical type systems: well-posedeness and large deviations, *Applied Mathematics and Optimization*. 61-3 (2010), p.379-420.
20. Bessaih, H. and Millet, A., Large deviation principle and inviscid shell models, *Electronic Journal of Probability*. 14 -89 (2009), p. 2551-2579.
21. Duan, J. and Millet, A., Large deviations for the Boussinesq equations under random influences, *Stochastic Processes and their Applications* 119-6 (2009), p. 2052-2081.
22. Gyöngy, I. and Millet, A., Rate of convergence of space time approximations for stochastic evolution equations, *Potential Analysis* 30-1 (2009), p. 29-64.
23. Millet, A. and Sanz-Solé, M, Large deviations for rough paths of the fractional Brownian motion, *Annales de l'Institut Henri Poincaré, Probabilités et Statistiques* 42-2 (2006), p. 245-271.
24. Millet, A. and Moret, P.-L., On implicit and explicit discretization schemes for parabolic SPDEs in any dimension, *Stochastic Processes and their Applications* 115-7 (2005), p. 1073-1106.

25. Gyöngy, I. and Millet, A., On discretization schemes for stochastic evolution equations, *Potential Analysis* 23-2 (2005), p. 99-134.

26. Cardon-Weber, C. and Millet, A., On strongly Petrovskii's parabolic SPDEs in arbitrary dimension and application to the stochastic Cahn-Hilliard equation, *Journal of Theoretical Probability* 17-1 (2004), p. 1-49.

27. Millet, A. and Morien, P.-L., On a nonlinear stochastic wave equation in the plane: existence and uniqueness of the solution, *Annals of Applied Probability* 11-3 (2001), p. 922-951.

28. Cardon-Weber, C. and Millet, A., A support theorem for a generalized Burgers SPDE, *Potential Analysis* 15-4 (2001), p. 361-408.

29. Millet, A. and Sanz-Solé M., Approximation and support theorem for a wave equation in two space dimensions, *Bernoulli* 6-5 (2000), p. 887-915.

30. Millet, A. and Morien, P.-L., On a stochastic wave equation in two space dimensions: regularity of the solution and its density, *Stochastic Processes and their Applications* 86-1 (2000), p. 141-162.

31. Millet, A. and Sanz-Solé M., A stochastic wave equation in two-space dimension : smoothness of the law, *The Annals of Probability* 27-2 (1999), p. 803-844.

32. Mellouk, M. and Millet, A., Large deviations for stochastic flows and anticipating SDEs in Besov-Orlicz spaces, *Stochastics and Stochastic Reports* 63 n°3-4, (1998), p. 267-302.

33. Chenal, F. and Millet, A., Uniform large deviations for parabolic SPDEs and applications, *Stochastic Processes and their Applications* 72-2 (1997), p. 161-186.

34. Millet, A. and Sanz-Solé, M., Points of positive density for the solution to a hyperbolic SPDE, *Potential Analysis* 7-3 (1997), p. 623-659.

35. Millet, A. and Smolenski, W., Small perturbations of Gaussian regressors, *Statistics and Probability Letters* 24-1 (1995), p. 21-31.

36. Bally, V., Millet, A. and Sanz-Solé, M., Approximation and support theorem in Hölder norm for parabolic stochastic partial differential equations, *The Annals of Probability* 23-1 (1995), p. 178-222.

37. Millet, A., and Sanz-Solé, M., The support of the solution to a hyperbolic SPDE, *Probability Theory and Related Fields* 98-3 (1994), p. 361-387.

38. Millet, A. and Nualart, D., Support theorems for a class of anticipating stochastic differential equations, *Stochastics and Stochastic Reports* 39-1 (1992), p. 1-24.

39. El Karoui, N., Lepeltier, J.-P. and Millet, A., A probabilistic approach of the reduite in optimal stopping, *Probability Theory and Mathematical Statistics* 13-1 (1992), p. 97-121.

40. Millet, A., Nualart, D. and Sanz-Solé M., Large deviations for a class of anticipating stochastic differential equations, *The Annals of Probability* 20-4 (1992), p. 1902-1931.

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