

Margherita Zanella, PhD

Assistant Professor - RTDa

Department of Mathematics, Politecnico di Milano

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Personal data: born 19.07.1988 (Cles, Italy), Italian nationality

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RESEARCH INTERESTS

Main: stochastic PDEs, Navier-Stokes and nonlinear Schrödinger equations, Malliavin calculus.

Specific: well-posedness, regularity, ergodicity, optimal control.

WORK EXPERIENCE

Assistant professor – Ricercatore RTDa – MAT/06 Mar 2020 – Present

Department of Mathematics, Politecnico di Milano, Milan, Italy

Postdoctoral Research Sep 2018 – Feb 2020

Department of Economics and Finance, LUISS University, Rome, Italy

Mathematics and Physics Teacher Sep 2013 – Oct 2013

High School “B. Russell”, Cles, Italy

EDUCATION

Percorso Formativo Propedeutico al Tirocinio per l’Insegnamento Nov 2017 – Jan 2018

University of Trento, Trento, Italy

24 CFU in pedagogical studies required for teaching in middle and high schools

PhD in Mathematics Nov 2014 – Feb 2018

University of Pavia, Pavia, Italy

Supervisor: Prof. Benedetta Ferrario

Thesis: “Regularity results on two dimensional stochastic Navier-Stokes equations in vorticity form”

Master’s Degree in Mathematics 2011 – 2014

University of Trento, Trento, Italy

Supervisor: Prof. Stefano Bonaccorsi

Thesis: “Some problems in Stochastic Partial Differential Equations”

Bachelor’s Degree in Mathematics 2007 – 2011

University of Trento, Trento, Italy

Supervisor: Prof. Gianluca Occhetta

Thesis: “The Sierpinski Gasket”

High School Diploma 2002 – 2007

Classical High School “B. Russell”, Cles, Italy

GRANTS

Research grant: “Stochastic particle-based anomalous reaction-diffusion models with heterogeneous interaction for radiation therapy”.

Substitute Principal Investigator and Local coordinator of Politecnico di Milano (PI: Francesco Cordoni). PRIN PNRR project 2022.

Value: 222K EUR.

Duration: 2 years. Peer-reviewed.

Full funding for “Attività Professore Visitatore” - Indam-Gnampa 2024

Grant for inviting Prof. Z. Brzeźniak as a visiting professor.

Value: 1500 EUR.

Duration: 2 weeks (11-25 May 2024)

Research grant: “Analisi di modelli di campo di fase con applicazioni alla Biomedicina”.

Project participant (PI: Abramo Agosti). Indam-Gnampa project 2024.

Value: 4000 EUR.

Duration: 1 year.

Research grant: “Analisi qualitativa di PDE e PDE stocastiche per modelli fisici”.

Principal Investigator. Indam-Gnampa project 2023.

Value: 2500 EUR.

Duration: 1 year.

Research grant: “Analisi qualitativa di PDE stocastiche: ergodicità ed equazioni di Kolmogorov”.

Project participant (PI: Luca Scarpa). Indam-Gnampa project 2022.

Value: 2500 EUR.

Duration: 1 year.

Research grant: “SPDE in Fluidodinamica”.

Project participant (PI: Luigi Amedeo Bianchi). Indam-Gnampa project 2020.

Value: 1575 EUR.

Duration: 1 year.

Research grant: “Metodi analitici per lo studio di PDE e problemi collegati in dimensione infinita”.

Project participant (PI: Simone Ferrari). Indam-Gnampa project 2019.

Value: 4000 EUR.

Duration: 1 year.

Full funding for participation: HIM Junior Trimester “*Randomness, PDEs and Nonlinear Fluctuations*” by Hausdorff Research Institute for Mathematics (Bonn, 2019).

Funding for the participation to the Trimester, for the invitation of several guests and organization of events.

Value: personal grant 2400 EUR/month, grant for invitation of guests 2000 EUR.

Duration: 3 months.

Research grant: “Semigruppi markoviani e passeggiate aleatorie su spazi non commutativi”.

Project participant (PI: Raffaella Carbone). Indam-Gnampa project 2017.

Value: 1400 EUR.

Duration: 1 year.

Research grant: “Distribuzioni invarianti in fluidodinamica”.

Project participant (PI: David Barbato). Indam-Gnampa project 2016.

Value: 1100 EUR.

Duration: 1 year.

PROFESSIONAL SERVICE

Organizational activity.

- Organiser Seminar “*(PMS)² – Pavia-Milano Seminar on Probability and Mathematical Statistics*”.
Together with: Mario Maurelli, Carlo Orrieri and Maurizia Rossi
2021 – present.
- Organiser special session “Stochastic PDEs for physical models”.
Fourth Italian Meeting on Probability and Mathematical Statistics, 10 – 24 June 2024, Roma , Italy.
- Organiser special session “Stochastic fluid-dynamics”.
43rd Conference on Stochastic Processes and their Applications, 24 – 28 July 2023, Lisbon, Portugal.
- Organiser special session “SPDEs and Kolmogorov equations”.
Together with: Davide Addona
Third Italian Meeting on Probability and Mathematical Statistics, 13 – 16 June 2022, Bologna, Italy.
- Organiser Workshop “*Stochastic fluid dynamics*”.
Together with: Luigi Amedeo Bianchi and Mario Maurelli
HIM (Hausdorff Research Institute for Mathematics), 11 – 15 Nov 2019, Bonn.
- Organiser special session “Stochastic fluid dynamics”.
Second Italian Meeting on Probability and Mathematical Statistics, 17 – 20 June 2019, Vietri sul Mare, Italy.

Referee activity.

- Journal of Evolution Equations, Journal of Optimization Theory and Applications, Stochastics and Dynamics, Nonlinearity, Continuous and Discrete Dynamical system-Series S.

Other professional activity.

- Member of the evaluation committee for external collaborators for the projects “METHEXIX” and “PLS”.
Department of Mathematics, Politecnico di Milano, 2023-2024.
- Member of the evaluation committee for a PostDoc position within the PRIN PNRR 2022 project “Stochastic particle-based anomalous reaction-diffusion models with heterogeneous interaction for radiation therapy”.
Department of Mathematics, Politecnico di Milano, 2023
- Member of the evaluation committee for external teaching collaborators: “Corsi di Ripasso – Architettura e Ingegneria”.
Department of Mathematics, Politecnico di Milano, 2023-2024.
- Member of the evaluation committee for external teaching collaborators: “Probability and Mathematical Statistics”.
Department of Mathematics, Politecnico di Milano, 2023-2024.

SHORT INVITED VISITS

7 – 14 Jul 2024	Prof. Z. Brzeźniak, Bernoulli Center, EPFL (Lausanne) within the programme " <i>New developments and challenges in Stochastic Partial Differential Equations</i> ".
18 – 21 Dec 2023	Dr. G. A. Zanco, University of Siena
13 – 17 Feb 2023	Prof. Z. Brzeźniak, University of York (UK)
28 Nov – 2 Dec 2022	Prof. M. Maurelli, University of Pisa
22 – 24 July 2019	Dr. D. Addona, University Milano Bicocca
13 – 16 Nov 2018	Prof. L.A. Bianchi, University of Konstanz (Germany)
29 Jan – 2 Feb 2018	Prof. Z. Brzeźniak, University of York (UK)
2018 – 2024 (often)	Prof. L.A. Bianchi, S. Bonaccorsi and L. Tubaro, University of Trento
2018 – 2024 (often)	Prof. B. Ferrario, University of Pavia

FULL LIST OF PUBLICATIONS

Submitted papers.

- B. Ferrario, M. Zanella
[Stationary solutions for the nonlinear Schrödinger equation.](#)
Submitted, arXiv:2305.10393
- S. Biagini, E. Biffis, F. Gozzi, M. Zanella
[Wage Rigidity and Retirement in Optimal Portfolio Choice.](#)
Submitted, arXiv:2104.12010
- D.A. Bignamini, S. Ferrari, S. Fornaro, M. Zanella.
[Differentiability in infinite dimension and the Malliavin calculus.](#)
Accepted with minor revision in "Probability Surveys" (2024), arXiv:2308.05004
- L. Tubaro, M. Zanella.
An introduction to Malliavin calculus. Lecture notes.

Accepted and published papers.

- Z. Brzeźniak, B. Ferrario, M. Zanella
[Invariant measures for a stochastic nonlinear and damped 2D Schrödinger equation.](#)
Nonlinearity, 37 015001 (2024), DOI: [10.1088/1361-6544/ad0f3a](#)
- B. Ferrario, M. Zanella
[Uniqueness of the invariant measure and asymptotic stability for the 2D Navier Stokes equations with multiplicative noise.](#)
Discrete Contin. Dyn. Syst. (2023). DOI: [10.3934/dcds.2023102](#)
- L. Scarpa, M. Zanella.
[Degenerate Kolmogorov equations and ergodicity for the stochastic Allen-Cahn equation with logarithmic potential.](#)
Stoch. Partial Differ. Equ. Anal. Comput. (2023). DOI: [10.1007/s40072-022-00284-4](#)

- Z. Brzeźniak, B. Ferrario, M. Zanella.
[Ergodic results for the stochastic nonlinear Schrödinger equation with large damping.](#)
J. Evol. Equations 23 no.1 (2023). DOI: [10.1007/s00028-023-00870-6](#)
- E. Biffis, B. Goldys, C. Prosdocimi, M. Zanella.
[A Pricing Formula for Delayed Claims: Appreciating the Past to Value the Future.](#)
Math. Finan. Econ. 17, 175–202 (2023). DOI: [110.1007/s11579-022-00331-7](#)
- S. Biagini, F. Gozzi, M. Zanella.
[Robust portfolio choice with sticky wages.](#)
SIAM J. Financial Math. 13 no.3, 1004-1039 (2022). DOI: [10.1137/21M1429722](#)
- B. Djehiche, F. Gozzi and G. Zanco, M. Zanella.
[Optimal portfolio choice with path dependent benchmarked labor income: a mean field model.](#)
Stochastic Processes Appl. 145, 48-85 (2022). DOI: [10.1016/j.spa.2021.11.010](#)
- S. Bonaccorsi, L. Tubaro, M. Zanella.
[Surface measures and integration by parts formula on levels sets induced by functionals of the Brownian motion in \$\mathbb{R}^n\$.](#)
Nonlinear Differ. Equ. Appl. 27, 27 (2020). DOI: [10.1007/s00030-020-00633-z](#)
- B. Ferrario, M. Zanella.
[Absolute continuity of the law for the two dimensional stochastic Navier- Stokes equations.](#)
Stochastic Processes Appl. 129 (2019), 1568-1604. DOI: [10.1016/j.spa.2018.05.015](#)
- B. Ferrario, M. Zanella.
[Stochastic vorticity equation in \$\mathbb{R}^2\$ with not regular noise.](#)
Nonlinear Differ. Equ. Appl. 25, 49 (2018). DOI: [10.1007/s00030-018-0541-7](#)
- S. Bonaccorsi, M. Zanella.
[Absolute continuity of the law for solutions of stochastic differential equations with boundary noise.](#)
Stoch. and Dyn., 17 no. 6 (2017) 1750045. DOI: [10.1142/S0219493717500459](#)
- S. Bonaccorsi, M. Zanella.
Existence and regularity of the density for solutions of stochastic differential equations with boundary noise.
Infin. Dimens. Anal. Quantum Probab. Relat. Top., 19 no. 01 (2016). DOI: [10.1142/S0219025716500077](#)

In preparation

- Z. Brzeźniak, B. Ferrario, M. Zanella
Uniqueness of the invariant measure for the 1D fractional nonlinear stochastic Schrödinger equation.
- Z. Brzeźniak, B. Ferrario, M. Maurelli, M. Zanella
Global well posedness in regular spaces for the nonlinear Schrödinger equation with multiplicative noise and arbitrary power of the nonlinearity.
- A. Di Primio, L. Scarpa, M. Zanella
Ergodic results for the stochastic Allen–Cahn–Navier–Stokes system with singular potential.

Thesis.

- M. Zanella.
Regularity results on two dimensional stochastic Navier-Stokes equations in vorticity form.
PhD Thesis (2018)

TALKS, SEMINARS AND MINICOURSES

2024

- Invited Talk: “Uniqueness of the invariant measure and asymptotic stability for the 2D Navier Stokes equations with multiplicative noise”.
Workshop “SPDE below sea level”, University of Delft, 1–5 July 2024, Delft, Netherlands.
- Invited Talk: “Uniqueness of the invariant measure and asymptotic stability for the 2D Navier Stokes equations with multiplicative noise”.
“Fourth italian meeting on Probability and Mathematical Statistics”, Session: “Kolmogorov equations and long time behaviour for SPDEs”, 10-14 June 2024, Rome, Italy.
- Invited Talk: “Ergodic results for the stochastic nonlinear damped Schrödinger equation with large damping”.
Workshop “Stochastic Partial Differential Equations”, 12-16 February 2024, ESI, Wien, Austria.

2023

- Invited Talk: “Uniqueness of the invariant measure and asymptotic stability for the 2D Navier Stokes equations with multiplicative noise”.
SPASS Seminar, University of Siena, 19 December 2023, Siena, Italy.
- Invited Talk: “Uniqueness of the invariant measure and asymptotic stability for the 2D Navier Stokes equations with multiplicative noise”.
“Early Career Math Colloquium”, University of Arizona, 2 October 2023, USA.
- Invited Talk: “Ergodic results for the stochastic nonlinear damped Schrödinger equation with large damping”.
“43rd Conference on Stochastic Processes and their Applications”, Session: “Qualitative analysis of solutions to (S)PDEs”, 24-28 July 2023, Lisbon, Portugal.
- Invited Talk: “Ergodic results for the two-dimensional stochastic Navier-Stokes equations driven by a multiplicative noise”.
North-East Midlands Stochastic Analysis Seminar, University of York, 15 February 2023, York, UK.

2022

- Invited Minicourse: “An introduction to Malliavin calculus”.
“Winter School stochastic processes, analysis and semigroups - a Winter School by the Universities of Trento and Wuppertal”, 12-16 December 2022, Trento, Italy.
- Invited Talk: “Ergodic results for the stochastic nonlinear Schrödinger equation”.
SPASS Seminar, University of Pisa, 29 November 2022, Pisa, Italy.

- Contributed Talk: “Ergodic results for the stochastic nonlinear Schrödinger equation”.
“Junior female researchers in probability”, 5-7 October 2022, Berlin, Germany.
- Invited Talk: “Optimal portfolio choice with path dependent benchmarked labor income: a mean field model”.
“Two-day workshop on deterministic and stochastic control”, Politecnico di Milano, 6-7 September. 2022, Milano, Italy.
- Invited Talk: “Invariant measures for a stochastic nonlinear and damped 2D Schrödinger equation”.
“Third italian meeting on Probability and Mathematical Statistics”, Session: “SPDEs arising in physical models”, 13-17 June 2022, Bologna, Italy.
- Invited Talk: “Existence of the invariant measure for a 2D damped nonlinear Schrödinger equation”.
“Trento Probability seminar (ONLINE), 26 May 2022, Trento, Italy.
- Invited Talk: “Existence of the invariant measure for a 2D damped nonlinear Schrödinger equation”.
“Conference of Mathematics of Wave Phenomena, Minisymposium “Stochastic Nonlinear Wave and Schrödinger Equations and Applications” (ONLINE), 14-18 February 2022, Karlsruhe, Germany.

2021

- Invited Talk: “Existence of the invariant measure for a 2D damped nonlinear Schrödinger equation”.
“8ECM - European Congress of Mathematics, Minisymposium “Stochastic Evolution Equations” (ONLINE), 20-29 June 2021, Portoroz, Slovenia.

2019

- Contributed Talk: “Regularity results for the 2D stochastic Navier-Stokes equations in vorticity form”.
“HIM Internal Seminars”, 31 October 2019, Bonn, Germany.
- Invited Talk: “A Pricing Formula for Delayed Claims: Appreciating the Past to Value the Future”.
Università Milano Bicocca, 22 July 2019, Milano, Italy.
- Invited Talk: “Surface measures and integration by parts formula on levels sets induced by functionals of the Brownian motion in \mathbb{R}^n ”.
“Second Italian Meeting on Probability and Mathematical Statistics”, 17-20 June 2019, Vietri sul Mare, Italy.
- Invited Talk: “A Pricing Formula for Delayed Claims: Appreciating the Past to Value the Future”.
“Stochastic and Partial Differential Equation Methods in Finance and Economics”, 20-22 May 2019, LUISS Guido Carli, Roma, Italy.
- Invited Talk: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations.”
“Parabolic Evolution Equations, Harmonic Analysis and Spectral Theory”, 6-10 May 2019, Bad-Herrenalb, Germany.

- Poster: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations.”

“Spring school on Random Interfaces”, 13-15 March 2019, Augsburg, Germany.

2018

- Invited Talk: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations”.
University of Konstanz, 14 November 2018, Konstanz, Germany.
- Invited Talk: “Stochastic vorticity equations: existence, uniqueness and regularity results in the flat torus and in the whole plan”.
University of Trento, 24 April 2018, Trento, Italy.
- Invited Talk: “Stochastic vorticity equations: existence, uniqueness and regularity results in the flat torus and in the whole plan”.
University of Pisa, 17 April 2018, Pisa, Italy.
- Invited Talk: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations”.
University of York, 29 January 2018, York, UK.

2017

- Poster: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations.”
“International Workshop on BSDEs, SPDEs and Applications”, 3-7 July 2017, University of Edinburgh, Scotland.

2016

- Poster: “Absolute continuity of the law for the two dimensional stochastic Navier-Stokes equations”.
“3rd Barcelona Summer School on Stochastic Analysis”, 27 June - 1 July 2016, Barcelona, Spain.

2015

- Contributed Talk: “Existence and regularity of the density for solutions of stochastic differential equations with boundary noise”.
“Summer School on Stochastic Analysis with Applications in Biology, Finance and Physics”, 28 September - 2 October 2016, Levico, Italy.
- Contributed Talk: “Existence and regularity of the density for solutions of stochastic differential equations with boundary noise”.
“45th Probability Summer School”, 6-17 July 2017, Saint-Flour, France.

SUPERVISION

Master students

Mattia Pavan: University of Trento (Italy), A.Y. 2020 – 2021.

Thesis: “Asymptotic expansions for the instantaneous forward rates in the HJM framework”,

Jointly supervised with Stefano Bonaccorsi

ADVISING

Post-Doc

Andrea di Primio: Post-Doc within the PRIN PNRR Project 2022 “[Stochastic particle-based anomalous reaction-diffusion models with heterogeneous interaction for radiation therapy](#)”, 2023–. Jointly supervised with Dr. L. Andreis and Profs. F. Confortola, G. Guatteri, L. Scarpa.

TEACHING

Academic year 2023-2024.

BSc course: Fondamenti di Statistica e Segnali Biomedici

BSc Degree in Ingegneria Biomedica, Politecnico di Milano, Italy, 5CF - Number of hours spent teaching: 45 hours

PhD course: An Introduction to Malliavin Calculus

PhD Program in Mathematical Models and Methods in Engineering, Politecnico di Milano, Italy, 5CF - 27 hours

Academic year 2022-2023.

BSc course: Fondamenti di Statistica e Segnali Biomedici

BSc Degree in Ingegneria Biomedica, Politecnico di Milano, Italy, 5CF - 45 hours

Academic year 2021-2022.

BSc course: Fondamenti di Statistica e Segnali Biomedici

BSc Degree in Ingegneria Biomedica, Politecnico di Milano, Italy, 5CF - 45 hours

Academic year 2020-2021.

BSc course: Fondamenti di Statistica e Segnali Biomedici

BSc Degree in Ingegneria Biomedica, Politecnico di Milano, Italy, 5CF - 30 hours

Problem classes: Probabilità (esercitazioni)

BSc Degree in Ingegneria Matematica, Politecnico di Milano, Italy, 10CF - 40 hours

Academic year 2019-2020.

Problem classes: Probabilità (esercitazioni)

BSc Degree in Ingegneria Matematica, Politecnico di Milano, Italy, 10CF - 40 hours

Academic year 2018-2019.

Problem classes: Mathematical Methods for Economics and Finance (esercitazioni)

MSc Degree in Economics and Finance, LUISS Guido Carli, Italy

Academic year 2016-2017.

Problem classes: Complementi di Analisi Matematica e Statistica (esercitazioni)

BSc Degree in Ingegneria Industriale, Università di Pavia, Italy

Problem classes: Matematica Corso B (esercitazioni)

BSc Degree in Biotecnologie, Università di Pavia, Italy

Academic year 2015-2016.

Problem classes: Complementi di Analisi Matematica e Statistica (esercitazioni)

BSc Degree in Ingegneria, Università di Pavia, Italy

ATTENDED CONFERENCES, SCHOOLS AND WORKSHOPS

- Workshop Stochastic Partial Differential Equations.
12-16 February 2024, ESI, Wien, Austria.
- 43rd Conference on Stochastic Processes and their Applications.
24-28 July 2023, University of Lisbon, Lisbon, Portugal.
- Winter School on Stochastic Processes, Analysis and Semigroups.
12-16 December 2022, University of Trento, Trento, Italy.
- Workshop Junior Female Researchers in Probability.
5-7 October 2022, Berlin, Italy.
- Two-day Workshop on Deterministic and Stochastic Control.
6-7 September 2022, Politecnico di Milano, Milan, Italy.
- Third Italian meeting on Probability and Mathematical Statistics.
13-16 June 2022, Bologna, Italy.
- Conference of Mathematics of Wave Phenomena.
14-18 February 2022, KIT, Karlsruhe, Germany.
- Workshop on Transport, Fluids and Mixing.
24-28 January 2022, CRM, Pisa, Italy.
- Winter School on Analytical Methods in Quantum and Continuum Mechanics.
29 November - 3 December 2022, Torino, Italy.
- 8ECM - European Congress of Mathematics.
20-26 June 2021, Portoroz, Slovenia.
- Workshop SPDEs and friends.
31 May - 2 June 2021, Berlin, Germany.
- Workshop on Turbulence: Problems at the Interface of Mathematics and Physics.
7-18 December 2020, ICTS, Bangalore, India.
- 3rd Haifa Probability School-Workshop on Random Geometry and Stochastic Analysis.
24-28 February 2020, Technion (Israel Institute of Technology, Haifa, Israel.
- Workshop on Space and Growth: Theoretical and Empirical Models.
13-14 December 2019, University of Pisa, Pisa, Italy.
- Workshop on Harmonic Analysis and Rough Paths.
18-19 November 2019, HIM, Bonn, Germany.
- Workshop on Stochastic Fluid Dynamics.
11-15 November 2019, HIM, Bonn, Germany.
- Workshop on Singular SPDEs and Related Topics.
21-25 October 2019, HIM, Bonn, Germany.
- Workshop SPDE day - recent progress on quasilinear equations.
18 October 2019, HIM, Bonn, Germany.

- Summer School on new Frontiers in Singular SPDEs and Scaling Limits.
23-27 September 2019, HIM, Bonn, Germany.
- Workshop on Recent Trends in Stochastic Analysis and SPDEs.
18-20 July 2019, University of Pisa, Pisa, Italy.
- Second Italian Meeting on Probability and Mathematical Statistics.
17-20 June 2019, Vietri sul Mare, Italy.
- Workshop on New Frontiers in Stochastic for Economics and Finance.
30 May - 1 June 2019, Siena, Italy.
- Workshop on Stochastic and Partial Differential Equation Methods in Finance and Economics.
20-22 May 2019, LUISS Guido Carli, Rome, Italy.
- Workshop on Parabolic Evolution Equations, Harmonic Analysis and Spectral Theory.
6-10 May 2019, Bad Herrenalb, Germany.
- Spring School on Random Interfaces.
13-15 March 2019, University of Augsburg, Augsburg, Germany.
- Winter School on Stochastic PDEs and Mean-Field Games.
14-16 January 2019, University of Bologna, Bologna, Italy.
- RISM School on Developments in Stochastic Partial Differential Equations, in honour of Giuseppe Da Prato.
23-27 July 2018, Varese, Italy.
- Mathematical Modeling in Life Sciences - a Probability Summer School.
13-15 September 2017, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy.
- Workshop on BSDEs and SPDEs.
3-7 July 2017, University of Edinburgh, Edinburgh, Scotland.
- First Italian meeting on Probability and Mathematical Statistics.
19-22 June 2017, Torino, Italy.
- Pre-school on Stochastic Dynamics out of equilibrium.
3-7 April 2017, CIRM, Marseille, France.
- Workshop on Recent trends in the Analysis of PDEs.
19-21 October 2017, IMATI-CNR, Pavia, Italy.
- CIME-EMS Summer school in applied mathematics: Singular Random Dynamics.
22-26 August 2016, Cetraro, Italy.
- CRM School 3rd Barcelona summer school on stochastic analysis.
27 June - 1 July 2016, Barcelona, Spain.
- 10th International Meeting on Stochastic Partial Differential Equations and Applications.
29 May - 3 June 2016, Levico Terme, Italy.
- Winter school on Stochastic Homogenization.
17-19 February 2016, University of Augsburg, Augsburg, Germany.

- Summer school on Stochastic Analysis with Applications in Biology, Finance and Physics.
28 September - 2 October 2015, Levico Terme, Italy.
- 45th Probability Summer School.
6-17 July 2015, Saint-Flour, France.
- Winter school on Recent Breakthroughs in Singular Stochastic PDEs.
2-6 January 2015, University Milano Bicocca, Milano, Italy.
- Workshop on Control Theory and Related Topics.
13-14 April 2015, Politecnico di Milano, Milano, Italy.
- Winter School on the Navier-Stokes initial boundary value problem.
26-30 January 2015, Università Cattolica, Brescia, Italy.
- Winter school on Stochastic modeling of financial crisis.
9-16 December 2013, University of Wuppertal, Wuppertal, Germany.

MEMBERSHIP

GNAMPA: Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni of the Istituto Nazionale di Alta Matematica (INdAM).

UMI: Unione Matematica Italiana

GENERAL SKILLS

Languages Italian (native speaker)
English (fluent)

Programming C, R, LaTeX

Milano, 18 May 2024