

Curriculum Vitæ

Susanna Terracini

April 19, 2011

Personal data

Place and date of birth: Sutton and Cheam (U.K.), April 29th, 1963.

Citizenship: italian.

Languages: italian, french (excellent), english (very good).

Adresses:

Dipartimento di Matematica e Applicazioni
Università di Milano Bicocca
Piazza dell'Ateneo Nuovo, 1
20126 Milano (I).
e-m suster@matapp.unimib.it.

Via Rugabella, 8
20122 Milano (I)

Short CV

Susanna Terracini obtained her PhD degree at SISSA (Trieste) in 1990. From 1992 to 2001 has been associate professor of Mathematical Analysis. She is full Professor at the University of Milano Bicocca since 2001. Her research interests include different directions in the field of nonlinear analysis with application to the variational approach to chaotic and complex trajectories in Hamiltonian dynamical systems, specially in celestial mechanics and pattern formation mechanisms for nonlinear reaction diffusion and Schrodinger systems. She is the author of about 80 papers, published on the major international mathematical journals. Terracini has act as a referee for a number of international journals. Moreover she has been invited to speak in many Italian and foreign Universities such as Paris VI and IX, the Paris Astronomic Observatory, the Courant Institute in New York, Winsconsin University at Madison, Rutgers University, USC, San Diego, CMAF in Lisbon and EPF in Lausanne. She was invited as plenary speaker in many international conferences and notably to the *Equadiff2003* meeting and to the *Jean Leray Centennial Conference*, in 2006. She was awarded with the *C. Vinti* prize in 2003 and the *B. Finzi* prize in 2007.

Education

1986 Laurea in Matematica, Università di Torino, advisor Prof. F. Skof,

1988 Magister Philosophiae, S.I.S.S.A. Trieste, advisor Prof. S. Solimini

1990 Doctor Philosophiae, S.I.S.S.A. Trieste, advisor Prof. I. Ekeland

Positions held

1989 Research fellowship C.N.R. at CEREMADE (University of Paris IX)

1990 *Ricercatore* of Mathematical Analysis at the Politecnico of Milano

1992 Associate professor at the Department of Mathematics, Politecnico of Milano

2001 Full professor at the Department of Mathematics, University of Milano Bicocca

Awards

2003 *Calogero Vinti* prize for Mathematics, 2002, (Unione Matematica Italiana)

2007 *Bruno Finzi* prize for Rational Mechanics, 2007, (Istituto Lombardo di scienze e lettere)

Academic Services

2002– now: member of the committee of the PhD school in Pure and Applied Mathematics, University of Milano Bicocca

2002– now: vice-chairman of the Department of Mathematics, University of Milano Bicocca.

Research projects

1998–2008 Leader of the Milano research unit of the Project of National Interest “Variational Methods and nonlinear differential equations” (national leader: Prof. A. Ambrosetti). The research unit consists of 3 full professors, 3 associate professor, 4 researchers, 2 post-docs and 5 PhD students, from Universities of Milano and Milano Bicocca and Torino, Politecnico of Milano and Torino.

2001– now Leader of the research unit “Calculus of Variations and Differential Equations”, University of Milano Bicocca. The research unit consists of 2 full professors, 5 *ricercatore*, 2 post-docs and 5 PhD students, from University Milano Bicocca.

2005–now Member of the GREFI-MEFI program (Gruppo di Ricerca Europeo Franco-Italiano: Mathematics and Physics).

2007–2008 Principal investigator of the GNAMPA project “Esistenza e stabilità di onde solitarie per equazioni differenziali non lineari”

Teaching

- Mathematical Analysis (graduate level), Politecnico di Milano and University of Milano Bicocca
- Calculus (graduate level), University of Milano Bicocca
- Measure Theory (graduate level), University of Milano Bicocca
- Advanced Calculus (Master level), University of Milano Bicocca
- Functional Analysis and Differential Equations (Master level), University of Milano Bicocca
- Functional Analysis applied to Material Sciences (Master level), University of Milano Bicocca
- Symmetry methods in PDE’s (post-graduate level), University of Milano Bicocca
- Ginzburg–Landau vortices (post-graduate level), University of Milano Bicocca
- Nonlinear analysis (post-graduate level), University of Milano Bicocca

Master thesis supervised

- 2005 Roberto Castelli, *Moti periodici di filamenti vorticosi quasi-paralleli*
- 2005 Benedetta Noris, *Il lemma di monotonia di Alt–Caffarelli–Friedman*
- 2007 Cristina Sanvito, *Singolarità per problemi degli N -corpi*
- 2007 Chiara Todeschini, *L'educazione matematica nell'istituzione carceraria*
- 2009 Andrea Alemani, *Reaction diffusion equations: Some applications to ecology*
- 2010 Luca Galimberti, *Sulle migliori costanti delle immersioni di Sobolev*
- 2010 Cristian Bruno, *Stabilità e instabilità asintotica di una crescita tumorale*
- 2011 Cristian Cesana, *Invasioni biologiche, sopravvivenza e fronti d'onda in un'ambiente periodicamente frammentato*

I am currently supervising four master thesis

PhD thesis supervised

- 1994–1998 Filippo Gazzola (now full professor, Politecnico di Milano), *Orbite periodiche in sistemi di moti periodici in catene di infinite particelle*. co-advised with G. Prouse
- 1995–1999 Monica Conti (now associate, Politecnico di Milano), *Existence, non existence and multiplicity methods for elliptic systems*.
- 1995–1999 Luca Merizzi, *Tecniche variazionali per problemi ellittici su uno spazio di Hilbert parzialmente ordinato*.
- 1995–1999 David Pardo, *Simmetria per le soluzioni di equazioni subellittiche non lineari*.
- 1996–2000 Gianmaria Verzini (now ricercatore, Politecnico di Milano), *Oscillating solutions to differential equations via the Nehari method*.
- 2002–2004 Vivina Barutello (now ricercatore, Universit di Torino), *On the n -body problem*.
- 2005–2009 Roberto Castelli, *On the variational approach to the one and N -centre problem with weak forces*.
- 2005–2009 Benedetta Noris, *On nonlinear Schrödinger systems with strong competition*.
- 2006–2010 Hugo Tavares, *Nonlinear elliptic systems with a variational structure: existence, asymptotics and other qualitative properties*. (with Miguel Ramos)
- 2007–2011 Laura Abatangelo, *Multiplicity of solutions to elliptic equations*.

I am currently supervising two PhD thesis (Nicola Soave and Alessandro Zilio) at the University of Milano Bicocca.

Post-doc supervised

2000–2002 Davide L. Ferrario

2000–2001 Gianmaria Verzini

2002–2003 Andrea Venturelli

2003–2006 Veronica Felli

2004–2007 Vivina Barutello

2005–2006 Elsa Maria Marchini

2008–2010 Marco Ghimenti

2008–2010 Ana Primo Ramos

I am currently supervising one post-doc (Benedetta Noris) at the University of Milano Bicocca.

Participation in Scientific Committees of Conferences

2002 *Thematic Programme in Nonlinear Analysis and Differential Equations*, INdAM thematic programme, Milano Bicocca (14 short courses and 30 invited talks);

2004 *Symmetry and Perturbation Theory*, Cala Gonone (Nu) 30 may-6 june 2004 (with Giuseppe Gaeta, Barbara Prinari, Stefan Rauch-Wojciechowski);

2005 *A nonlinear day in Milano Bicocca*, march 15 2005;

2006 Special session *Variational Methods and Dynamical Systems*, in the International Conference *Mathematics and its applications*, Torino, july 4–7 2006 (with V. Coti Zelati e Maria J. Esteban)

2007 *Symmetry and Perturbation Theory*, Otranto, june 2–9 2007 (with Giuseppe Gaeta, Michela Procesi, Sebastian Walcher, Stefan Rauch-Wojciechowski);

2007 *Existence and stability properties of solitary and standing waves in nonlinear differential equations and related spectral problems*, Pisa, 24-28 September (with Nicola Visciglia e Vladimir Georgiev)

2008 *Primo incontro delle donne del laplaciano*, Cortona, june 11-13 (with Silvia Cingolani, Mara Esteban, Anna Maria Micheletti, Filomena Pacella)

2009 *INDAM Meeting : Theoretical and computational methods in nonlinear differential equations*, Bertinoro September 14–18, with G. Arioli, M. Plum and F. Pacella

Lack of compactness in nonlinear problems: prospects and applications,, CIRM in Luminy, October 5–9 with O. Rey, E. Séré, M. Struwe, chaired by A. Malchiodi and F. Pacard.

Three Dispersive Days Milano, November 11–13, with D. Bambusi, S. Cuccagna, N. Visciglia

2010 *Solitary and Dispersive Days* Milano, December 13–17, with R. Adami, D. Bambusi, D. Noja

2011 *Variational and perturbative methods for nonlinear differential equations*, Venice, January 20-22 2010, with A. Malchiodi

Editorial work

Member of the editorial committee of *NODEA: Nonlinear Differential Equations and Applications*, member of the editorial board of *Discrete and Continuous Dynamical Systems - B*, *Advanced Nonlinear Studies*, *Advances in Nonlinear Analysis*, *Bollettino dell'Unione Matematica Italiana*, *Portugaliae Mathematica*, *Functiones et Approximatio*.

Has served as a referee for the journals: *Journal of the American Mathematical Society*, *Inventiones Mathematicae*, *Advances in Mathematics*, *Communications in Mathematical Physics*, *Archive for Rational Mechanics and Analysis*, *Proceedings of the American Mathematical Society*, *Nonlinearity*, *Physics Letter A*, *Physica D*, *Interfaces and Free Boundaries*, *International Journal of Mathematics*, *Journal d'Analyse Mathématique*, *Astronomy*, *Celestial Mechanics and Dynamical Astronomy*, *Mathematical Models in Applied Sciences*, *Communications in Contemporary Mathematics* *Discrete and Continuous Dynamical Systems sec. A*, *Journal of Differential Equations*, *Calculus of Variations*, *Annales de l'Institut Henri Poincaré*, *Analyse non linéaire*, *The Royal Society of Edinburgh Proceedings A*, *Communications in Partial Differential Equations*, *Mathematische Nachrichten*, *Nonlinear Analysis TMA*, *Differential and Integral equations*, *Advances in Differential Equations*, *Journal of Mathematical Analysis and Applications*, *Electronic Journal of Differential Equations*, *SIAM Journal on Scientific Computing*, *ZAMP*, *Mathematics of Computation*.

Visiting positions (one month or more)

- Centro de Matematica e Aplicações Fundamentais, Lisboa, june 1992, may 1994;
- Courant Insitute for Mathematical Sciences, New York University, USA: november 1992– april 1993,
- CEREMADE, Université de Paris IX, may 1993, september 1996, march 1998, january–february 2004; february 2005; february 2007.
- Department of Mathematics, University of Southern California, USA: september–december 1994,
- Departamento di Matematica, University of Evora, Portugal, june 1996,
- Rutgers University, september 1998,
- Observatoire Astronomique de Paris, Bureaux de Longitudes, may 2000 and march 2001, february 2005
- MSRI Visiting member, april 2011

Short courses

- “Nonlinear Analysis and Differential Equations”, Lisboa, october 1998 (eight lectures);
- “IV Turin fortnight on nonlinear analysis”, Dipartimento di Matematica, Università di Torino, september 30th - october 3rd, 2003, short course (3 lectures) *Segregated states for some competition-diffusion problems: existence, uniqueness and the free boundary problem*.
- “Workshop GREFI-MEFI 2008: from Dynamical Systems to Statistical Mechanics”, CIRM, Marseille february 18–22, 2008, “A functional analytic approach to multi-modal periodic trajectories in Fermi-Pasta-Ulam chains” (two lectures)
- “The Spring School in Nonlinear Partial Differential Equations” Université Catholique de Louvain, Louvain-la-Neuve, Belgium, May 26–30, 2008, *Analytical aspects of optimal partition problems and segregation in reaction-diffusion systems* (six lectures)
- “Workshop on Variational Methods and Nash-Moser”, Pacific Institute for Mathematical Sciences, Vancouver june 16–22 2008, *Symmetries and collisions in the n-body problem*, (three hours)

- “South West Regional PDE Winter School” St Anne’s College, University of Oxford, 12-13 December 2008 *Analytic aspects in spatial segregation for competition systems*, (three hours)

-Bangalore (India), August 2010, *Spatial segregation for competition systems*, (four lectures)

Invited talks (from 2003)

- “Giornate non lineari”, Università di Roma La Sapienza, January 9-11 2003, ”A variational problem arising in the segregation phenomenon”.

- “PASI on PDE, Inverse Problems and Non-Linear Analysis” Centro de Modelamiento Matemático (CMM), Universidad de Chile, January 13-19 2003, “A variational problem arising in the segregation phenomenon”.

Workshop on “Variational Methods in Celestial Mechanics”, American Institute of Mathematics (AIM) in Palo Alto, California, June 9–14 2003, “On the Existence of Collisionless Equivariant Minimizers for the Classical n-body Problem”

- International School of Mathematics “G. Stampacchia”, Workshop on Variational Analysis and Applications, Erice, June 20–1st July 2003, “Collisionless Equivariant Minimizers for the Classical n-body Problem”

- “Equadiff 2003, International Conference of Differential Equations, Hasselt (BE), 22–26 giugno 2003, “A variational problem for the spatial segregation of reaction–diffusion systems”.

- XVIII Convegno UMI, Milano, September 5-8 2003, “Collisionless Equivariant Minimizers for the Classical n-body Problem”

- Università di Roma, January 26th, 2004

- “Variational Methods and Nonlinear Schrödinger Equation”, Bernoulli Centre, EPFL Losanna, February 9-13 2004.

- Università di Milano, March 24th, 2004

- ”Symmetry and perturbation methods”, Cala Gonone (NU), May 30– 6 June 2004

- “FPU 50 years since FPU”, Dipartimento di Fisica, Università di Roma la Sapienza, May 7–8 2004.

- “Giornata sulle Equazioni Funzionali” in onore di F. Skof, Torino, May 28th 2004, “Sul problema periodico degli N corpi”

- “V Workshop on nonlinear differential Equations”, Campinas (Brasil), June 7–11 2004

- “The third Tinjin International Conference and Workshop on Nonlinear Analysis”, Nankai Institute for Mathematics, Tianjin (China), 16–20 June 2004, “Action minimizing trajectories in the N–body problem”.

- Perugia, November 24th 2004, G. Vinti prize conference, , “Problemi analitici della dinamica di popolazioni in forte competizione”.

- Université Pierre et Marie Curie, Laboratoire J.L. Lions, February 2005, ”A variational problem for the spatial segregation of reaction–diffusion systems and related problems”

- Institut de Mécanique Céleste et de calcul des éphémérides, Paris, February 2005, ”Sur les estimations asymptotiques pour le problème des N corps”

- CEREMADE, Université Paris IX, Paris, February 2005, ”Trajectoires minimales équivariantes pour le problème des N corps”

- Centre d'Analyse et de Mathématique Sociales, Maison des sciences de l'homme, Paris, february 2005, "Variational and free-boundary problems for the spatial segregation of competition-diffusion problem"
- "International Workshop on Variational Methods in Nonlinear Analysis", Erice aprile 14–22, 2005.
- Centro Ennio De Giorgi, Pisa, giugno 2005,
- "Topological and variational methods for differential equations" Oberwolfach (Germany), june 26–27 july, 2005. "A variational problem for the spatial segregation of reaction–diffusion systems and related problems".
- "CELMEC IV, a meeting on Celestial Mechanics" san Martino al Cimino (VT), september 11–16 2005, "Collisions and symmetries in the periodic N-body problem"
- "CEDYA 2005", IX Congreso della Società Spagnola di Matematica Applicata, Madrid, september 2005, "Collisions and symmetries in the periodic N-body problem"
- "Trends in Differential Equations and Dynamical Systems", Università di Modena e Reggio Emilia, september 29–30, 2005, "Aspetti analitici nella dinamica di popolazione con forte competizione"
- Topological and Variational Methods in Partial Differential Equations", Guanajuato (Mexico), december 5–9 2005, "On Schrödinger equations with multipolar inverse square singular potentials".
- Workshop "Free Boundaries and PDEs in Biology", Pauli Institute, Vienna, march 21–22 2006, "A variational problem for the spatial segregation of reaction diffusion systems"
- "Matematica e Liberazione", "Matematica, Cultura e Società": Centro di Ricerca Matematica Ennio De Giorgi, Pisa, april 25th 2006
- "Dynamics, Topology and Computations" june 4–10, 2006, Beedlewo (Poland), Banach Center, "On the variational approach to the n-body problem"
- Conference "Views on ODE's", Aveiro (Portugal), june 21–24, 2006, "Multi modal periodic trajectories in Fermi–Pasta–Ulam chains"
- "Jean Leray Centennial Conference, Topological Methods in Nonlinear Problems", june 25 - 30, 2006, Beedlewo (Poland), Banach Center, "A Variational Problem for Spatial Segregation of Reaction-Diffusion Systems and Related Problems"
- "Recent Advances in Nonlinear Partial Differential Equations: A Celebration of Norman Dancers 60th Birthday" University of New England (Armidale), Australia, July 16-21 2006 (d)
- "VI Workshop on Non-linear Differential Equations and Applications", Como, September 11–15 2006, "On Schrödinger operators with multi-singular inverse square potentials"
- "Journée d'Analyse non linéaire" en l'honneur de Norman Dancer, Université de Paris Sud (Orsay), december 10th 2006, "Some analytical aspects in the spatial segregation of reaction–diffusion systems"
- "Some Topics in Nonlinear Analysis and Applications to Partial Differential Equations" Roma *La Sapienza*, January 29 - February 1, 2007, "On Schrödinger equations with multiple inverse-square singularities"
- CEREMADE, Université Paris IX, Paris, february 2007, "Sur les équations de Schrödinger avec potentiels multipolaires"
- Université d'Avignon, february 2007, "Singularités et collisions dans le problème des N -corps"
- École Normale Supérieure de Rennes, february 2007, "Partitions minimales et suites spectrales"

- Università dell'Aquila, april 2007
- "International Conference on Variational Methods", may 20–26, 2007, Nankai University (China), "On the singularities of generalized solutions to N-body type problems"
- "Symmetry and perturbation theory", june 2–9, 2007, Otranto, "Singularities and collisions of generalized solutions to N-body type problems "
- "Topological Theory of Fixed and Periodic Points", Banach Center, Poznan (Poland), july 22–28 2007, "Singularities and collisions of generalized solutions to N-body type problems "
- "Recent progress on nonlinear elliptic and parabolic problems and related abstract methods", October 7-12, 2007, Banff International Research Station, Canada. "Spectral properties and uniqueness theorems related to optimal partitions"
- "Workshop on Mathematical Aspects of Celestial Mechanics", Paris, Institut Henri Poincaré, December 11-20, 2007, "Singularities and collisions of generalized solutions to the N-body problem"
- "Workshop Spectral Theory and Partial Differential Equations", The Erwin Schrödinger International Institute for Mathematical Physics, December 13–20, "Optimal Partitions and spectral problems"
- "Workshop on Singularities, Hamiltonian and Gradient Flows", May 12-16, 2008, Centre de recherches mathématiques, Université de Montréal, "Singularities and collisions of generalized solutions to the N-body problem"
- "The World Congress of Nonlinear Analysts" , Orlando, Florida July 2–9, 2008, Nodal sets of solution to magnetic Schrödinger equations
- International conference "Variational Methods for Elliptic PDE's and Hamiltonian Systems", POSCO International Center, POSTECH (South Korea), October 8–10 2008, "Uniform Hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schrödinger equations"
- "Trent'anni di Analisi Matematica alla SISSA: il contributo degli ex allievi", november 24-27 2008, SISSA, Trieste, "Uniform Hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schrödinger equations"
- Analysis seminar, University of Bath, december 13 2008, "Uniform Hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schrödinger equations"
- Workshop "Hamiltonian Systems and the n -body problem", january 16-17 2009, University of Leipzig, "Collisionless periodic minimizers in the n-body problem"
- Roma, Università "La Sapienza", january 26 2009, "Spectral properties and uniqueness theorems related to optimal partitions"
- Workshop "Trends in nonlinear analysis and PDE" in occasion of L. Caffarelli's 60th birthday, Politecnico di Milano, february 5-7 2009, "Uniform hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schroedinger equations"
- Séminaire sur les problèmes aléatoires dans les EDP et systèmes de grande dimension, CMAP, École Polytechnique, Palaiseau, march 9 2009, "Uniform hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schrödinger equations"
- Seminario di equazioni differenziali e applicazioni, Università di Padova, march 16th 2009, "Stime di Hölderianità e regolarità del profilo limite per sistemi di equazioni di Schrödinger non lineari in forte competizione"

- Johann Wolfgang Goethe-Universität Frankfurt, march 31, 2009, “Limiting profiles for highly competing nonlinear systems of Schrödinger equations”
- 51st International School of Mathematics G. Stampacchia: Variational Analysis and Applications Erice, May 9-17 2009, “Spectral properties and uniqueness theorems related to optimal partitions”
- Oberwolfach conference: Topological and Variational Methods for Partial Differential Equations, May 17th - May 23rd, 2009, “Symmetry properties and existence of solutions to nonlinear Schrödinger equations with singular electro-magnetic potentials”
- Workshop ”New Connections between Dynamical Systems and Hamiltonian PDEs”, Maiori, 1-6 June, “Symbolic dynamics in the N-centre problem”
- CELMEC V, the ”Fifth International Meeting on Celestial Mechanics”, Viterbo, 6-12 September, “Symbolic dynamics and parabolic trajectories in the n-centre and n-body problems ”
- VIII Americas Conference on Differential Equations, Vera Cruz (Mexico), October 18–23, “Uniform Hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schroedinger equations”
- Politecnico di Torino, Deember 2nd 1009, “Uniform hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schrödinger equations”
- Fourth Trilateral Meeting on Analysis and Applications, Taipei (Taiwan), December 7–11 2009 “Uniform Hölder bounds and regularity properties of the limiting profile for highly competing nonlinear systems of Schroedinger equations”
- XX Convegno Nazionale di Calcolo delle Variazioni, CIRM - Levico, February 21–27 2010, “A reflection principle and the regularity of the nodal set of segregated critical configurations”
- CMAF, Centro de Matemática e Aplicações Fundamentais, Lisboa, March 18, 2010, “A reflection principle and the regularity of the nodal set of segregated critical configurations”
- International Workshop on Variational, topological and Set-valued Methods for Nonlinear Differential Problems, Messina, April 14-16, 2010, “Symbolic dynamics and parabolic trajectories in the n-centre and n-body problems”
- 8th AIMS International Conference on Dynamical Systems, Differential Equations and Applications, Dresden, May 25–28, 2010,
 - Special Session Reaction Diffusion Systems: “A reflection principle and the regularity of the nodal set of segregated critical configurations”
 - Special Session Mechanical Systems: “Symbolic dynamics and parabolic trajectories in the n-centre and n-body problems”
- Conference Mathematics and Applications, Cagliari june 3-5 2010, “On some optimal partition problems”
- ICM Satellite Conference on PDE and Related Topics, TIFR-CAM Bangalore, India 13-17 August 2010, ‘On some optimal partition problems”
- Group Actions in Topology and Analysis, the 4th GAF Conference, Milan September 14-17, 2010, “Equivariant solutions to the critical semilinear elliptic equation”
- Conference “Variational and Topological Methods in Nonlinear Phenomena”, Cortona, September 20–23, 2010, “On some optimal partition problems”
- Riemann School in Mathematics on Nonlinear Differential Equations, Verbania, September 26–October 1 2010, “On some optimal partition problems”

- Workshop on Variational Methods in Nonlinear Differential Equations, Oaxaca (Mexico), October 18-22 2010, “On some optimal partition problems”
- Dixième Forum des Jeunes Mathématiciennes Analyse et Applications , November 22 - 24 2010, CIRM (opening conference), “Periodic orbits, symbolic dynamics and parabolic trajectories in the N -centre and N -body problems”
- Connection for Women–Free boundary problems, MSRI–Berkeley, January 13- 14, 2011, “On some optimal partition problems”
- Selected Topics in Spectral Theory, Erwin Schrödinger Intitute (Vienna), January 19-26, 2011, “On some optimal partition problems”
- PDE seminar, Minneapolis April 13, 2011
- The Fourteenth Rivière-Fabes Symposium on Analysis and PDE, Minneapolis, April 15-17, 2011
- MSRI-Evans Lecture, MSRI Berkeley, California April 25 2011
- Workshop *Journée sur les quations de Schrödinger non linéaires et applications aux condensats de Bose Einstein*, Versailles, june 1, 2011
- International Conference on Nonlinear Partial Differential Equations and Applications (Hefei, China, August 1-7, 2011
- Nanjing Conference on Hamiltonian Dynamics 2011, Nanjin, August 21-28, 2011
- The 15th general meeting of European Women in Mathematics, September 5-9, 2011, Centre de Recerca Matematica in Barcelona, Spain (plenary lecture)
- XIX Congresso Dell’Unione Matematica Italiana, Bologna, 12-17 settembre 2011 (plenary lecture)