

Curriculum Vitae of SILVIA CINGOLANI

Personal Data:

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Education:

- Degree in Mathematics, University of Bari. Degree thesis: *Teoria di Morse e sistemi dinamici asintoticamente lineari*. Supervisor Prof. Dino Fortunato. Vote: 110/110 *cum laude* (14/12/1993)
- Winner of C.N.R. (Consiglio Nazionale delle Ricerche) fellowship in Mathematics. Supervisor: Prof. Donato Fortunato (1993–1994).
- Winner of I.N.d.A.M. (Istituto Nazionale di Alta Matematica) fellowship, Rome (1994)
- First place ex-aequo at the selection of Ph.D. scholarship at Scuola Normale of Pisa. Vote: 158/160 (December 1994)
- Ph.D. student in Mathematics at Scuola Normale Superiore of Pisa (1995/1996)
- Ph.D. in Mathematics, Scuola Normale Superiore of Pisa. Ph.D.Thesis: *Variational Methods and Nonlinear Schrödinger Equations*. Supervisor Prof. Antonio Ambrosetti. Vote: 70/70 *cum laude* (10/11/1998)

Awards:

- Winner of the Prize *Benedetto Sciarra*, Scuola Normale Superiore of Pisa (1996)

Appointments:

- Researcher in Mathematical Analysis, Polytechnic University of Bari (May 8, 1996 – November 30, 2002)
- Associate Professor in Mathematical Analysis, Polytechnic University of Bari (December 1, 2002 – June 11, 2017)
- National Scientific Habilitation to Full Professorship (scientific disciplinary sector: 01/A3 - Mathematical Analysis, Probability and Mathematical Statistics) (December 30, 2013)
- Full Professor in Mathematical Analysis, University of Bari Aldo Moro (June 12, 2017 – present)

Research Interests:

Nonlinear Partial Differential Equations; Nonlinear Analysis; Critical Point Theory; Variational and topological methods; Local and Nonlocal Elliptic PDEs; Nonlinear Schrödinger Equations

Bibliometric Data:

Author of 70 scientific publications on fully peer-reviewed mathematical journals.

List of publications

<https://ricerca.uniba.it/cris/rp/rp31970?start=0&sortBy=2&order=DESC&type=all>

1873 citations on Mathscinet by 710 authors (H-index 21)

1844 citations on Scopus (H-index 21)

1770 citations on Web of Science (H-index 20)

2623 citations on Google Scholar (H-index 23)

Editor Activity:

- (2018/–) Editorial Board Member of “**Mediterranean Journal of Mathematics**” (MedJM), Birkhauser Basel (Impact Factor 1.400) <https://www.springer.com/birkhauser/mathematics/journal/9>
- (2020/–) Editorial Board Member of “**Advanced Nonlinear Studies**”, De Gruyter (Impact Factor: 1.446) <https://www.degruyter.com/view/j/ans?lang=en>
- (2021/–) Editorial Board Member of “**Differential Integral Equations**”, Khayyam Publishing, Inc. (Impact factor 0.915) <http://www.aftabi.com/DIE/die.html>

Service:

- 2021/2025 Member of the Scientific Council of GNAMPA-INdAM (National Group of Mathematical Analysis and Probability - Istituto Nazionale di Alta Matematica, Rome)
- Vice Director Department of Mathematics - University of Bari (2019-present)
- Member of the Directing Board of the PhD program in Mathematics. Cycles: XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, University of Bari (2006–2012).
- Director of the INdAM’s Unit of Polytechnic University of Bari (2014–2017).
- Member of the Directing Board of the PhD program in Mechanical Engineering, Polytechnic University of Bari (2014–2016).
- Member of the Directing Board of the PhD program in Computer Sciences and Mathematics, University of Bari Aldo Moro (2017–present).
- Member of Committees for: Researcher, University of Bari; (2011); Full Professor, University of Calabria (2017); Associate Professor, University of Naples “Federico II” (2018); RTDB Professor position, University of Naples “Federico II” (2019); Associate Professor, University of Calabria (2019); Associate Professor, University of Pisa (2020); Tenure-Track, University of Naples “Federico II” (2020); RTD-A, University of Naples “Federico II” (2021); Tenure-Track, SISSA-Trieste (2021); RTD-B, University of Bicocca-Milan (2021) RTD-A, University of Camerino (2021); Tenue-Track, University of Salento (2021); Associate Professor, University of Bari (2021); Tenue-Track, University of Modena and Reggio Emilia (2022); Full professor, Sapienza University of Roma (2022); Full professor, Polytechnic of Bari (2022)
- Member of the Committe for the prize ”E. Jannelli” for the best PhD thesis on PDEs, A.A. 2020/2021
- Reviewer for an individual assessment (Full Professor)- University of Vienna (2021)
- Reviewer for a Ph.D. thesis, University Milano Bicocca (2022)
- Referee for several top-ranked peer-reviewed mathematical journals.
- On the behalf of the National Chilean Commission for Scientific and Technological Development (CONICYT) and the Superior Council of the National Fund for Scientific & Technological Development (FONDECYT), referee for a proposal 2012, a proposal 2013 and a proposal 2017
- On the behalf of M.I.U.R., referee for a Firb Project 2012.

Supervision of PhD students:

- Sara BARILE, PhD, University of Bari, “Existence of solutions for some nonlinear elliptic problems”, 2006 (co-advisor David Arcoya, University of Granada)
- Marco GALLO, PhD, University of Bari, 2019/–; co-advisor Denis Bonheure, Université libre de Bruxelles)

Selected Invited Talks:

1997 Workshop “Nonlinear Boundary Value problems”, Torino

1997 Universidad de Granada, Departamento de Análisis Matemático, invited by Prof. David Arcoya

1998 “Variational Methods and Partial Differential Equations in Mathematical Physics”, Scuola Normale Superiore di Pisa, Pisa

1999 XVI Congresso Unione Matematica Italiana, (invited talk for young researcher), Napoli

2000 “Third World Congress of Nonlinear Analysts”, Catania

2000 University of Rome III, Department of Mathematics

2001 International Workshop “Nonlinear Differential equations”, Bergamo

2001 SISSA (Scuola Internazionale Superiore di Studi Avanzati), Trieste, invited by Prof. Antonio Ambrosetti

2001 Universidad Autonoma de Madrid, invited by Prof. Ireneo Peral

2002 University of Pisa, Department of Mathematics

2002 International Workshop “Calculus of Variations in Nonlinear Phenomena”, Martina Franca

2002 Ecole Polytechnique Federale de Lausanne, invited by Prof. Charles Stuart

2003 University of Rome “La Sapienza”, Department of Mathematics

2003 “Equadiff 2003”, International Conference on Differential Equations, Hasselt (Belgium)

2004 “Variational methods and Nonlinear Schrödinger equations”, Bernoulli Centre, Ecole Polytechnique Federale de Lausanne, Lausanne (Switzerland)

2004; 2007 University of Rome “La Sapienza”, Department of Mathematical Methods and Models

2006 International Workshop “Current Trends in Nonlinear Analysis”, Otranto

2009 6th European Conference on Elliptic and Parabolic Problems, Gaeta

2009 The first Bicocca Junior Workshop on Nonlinear PDE’s and Variational Methods, Università di Milano-Bicocca

2010 *Gender Equality in Science*, Le prospettive del Progetto “STReGA”, Lecce (January 21).

2010 International Workshop on “Variational Methods in Nonlinear Differential equations”, Oaxaca (Mexico)

2011 International Workshop on “Nonlinear Differential Equations”, Pienza

2011 Université de Franche-Comté, Laboratoire de Mathématiques UMR CNRS, Besancon Cedex, France, invited by Prof. Louis Jeanjean

2011 University of Milan, Department of Mathematics

2012 7th European Conference of Elliptic and Parabolic Problems, Gaeta

- 2012** Karlsruhe Institut für Technologie, invited by Prof. Wolfgang Reichel
- 2012** Nonlinear PDE Days: Variational Methods in Mathematical Physics, Karlsruhe Institut für Technologie, Karlsruhe (Germany)
- 2013** Variational and Topological Methods in the study of Nonlinear Phenomena, Alghero
- 2013** Variational Methods and Partial Differential Equations, Workshop on the occasion of Michel Willem's 60th birthday, Louvain-la-Neuve (Belgium)
- 2013** Dispersive PDEs: models and dynamics, Pisa
- 2013** University of Calabria
- 2014** Université Libre de Bruxelles, invited by Prof. Denis Bonheure
- 2014** 8th European Conference of Elliptic and Parabolic Problems, Gaeta
- 2015** Variational and Topological Methods in the study of nonlinear problems, Workshop on the occasion of Charles Stuart's 70th birthday, Besancon (France)
- 2015** Université Libre de Bruxelles, invited by Prof. Bonheure
- 2016** Achievements and Perspectives in Nonlinear Analysis, on the occasion of Donato Fortunato's 70th birthday, Bari
- 2016** University of Stockholm, invited by Prof. Szulkin
- 2017** Rome CAPUT PDE, Roma
- 2017** Nonlinear days in Turin, Torino
- 2017** Waseda University of Tokyo, invited by Prof. Kazunaga Tanaka
- 2018** Variational Problems arising from Physics and Geometry, on the occasion of the 60th birthday of Thomas Bartsch Rauschholzhausen Castle, Germany
- 2018** New Advances in PDE, Workshop on the occasion of Annamaria Micheletti's birthday, Riemann International School of Mathematics, Varese
- 2018** Nonlinear Analysis & PDEs, Caserta
- 2018** Université Libre de Bruxelles. invited by prof. Bonheure
- 2019** VI Italian-Japanese Workshop Geometric Properties for Parabolic and Elliptic PDE's, Cortona-Palazzone della Scuola Normale
- 2019** XI Brazilian-Italian Workshop on Nonlinear Differential Equations, Riemann International School of Mathematics, Varese
- 2021** PDE's Italia vs Espana
- 2021** Nonlinear meeting, Manfredonia

Organization of International Conferences:

- Organization Committee Member of the XXVIII Congresso dell' Unione Matematica Italiana, September 24-29 (2007) Bari, Italy
- Scientific Committee Member of the Workshop *Primo Incontro delle Donne del Laplaciano*, June 13-16 (2008), Cortona, Italy
- Organization Committee Member of the International Workshop *Second Meeting of Women of the Laplacian*, June 3-6 (2010), Monopoli (Bari), Italy

- Scientific Committee Member of the International Workshop *Critical Point Theory and Nonlinear Differential Problems*, September 02-04 (2015), Canazei (Dolomites), Italy
- Organizer of the Thematic Section “Schrödinger equations”, International Workshop *Workshop in Nonlinear PDEs*, September 07-11 (2015), Université libre de Bruxelles, Bruxelles, Belgium
- Organizer of the Miny-Symposium “PDEs around the world”, International Workshop *European Women in Mathematics General Meeting 2018*”, September 03-7 (2018), University of Graz, Austria
- Organizer of the International Workshop *Advances and Challenges in Nonlinear Analysis ... and Beyond! On the occasion of Vieri Benci’s 70th birthday*, September 24-27 (2019), University of Bari and Polytechnic University of Bari, Italy
- Organizer of the International Workshop *RoMANs: Research On Mathematical Analysis aNd Semigroups, On the occasion of Silvia Romanelli’s 70th birthday*, July 7-8 (2021), University of Bari, Italy
- Organizer of Thematic Session *Variational Equations and Applications to Differential Equations*, 33° Coloquio Brasileiro de Matemática, IMPA, August 2-5 (2021)
- Organizer of the International Workshop *Geometric PDEs @ Caserta*, September 13-16 (2021), University of Vanvitelli, Caserta, Italy
- Organizer of the International Workshop *Recent Developments in Mathematical Analysis, On the occasion of Francesco Altomare’s 70th birthday*, September 23-24 (2021), University of Bari, Italy
- Organizer of *First Adriatic Meeting of Nonlinear Differential Equations*, May 12-14 (2022), Marche Polytechnic University, Ancona, Italy

Grants:

- Co-investigator in PRIN Projects: *Variational Methods and nonlinear differential equations* by MIUR (Ministero Istruzione Università e Ricerca, Italy), P.I.: Prof. A. Ambrosetti (1995/1996, 1997/98).
- Co-investigator in PRIN Projects: *Variational and topological methods in the study of nonlinear phenomena* by MIUR (Ministero Istruzione Università e Ricerca, Italy), P.I.: Prof. V. Benci. (2001/2002, 2003/2004, 2005/2006, 2007/2008, 2009/2010).
- Co-investigator of Projects: “Azione Integrata Italia-Spagna” (2001; 2009).
- Principal investigator of INdAM Gnampa’s Projects (2011/12; 2012/13; 2013/14; 2014/15; 2015/16; 2016/17): Co-investigator of INdAM Gnampa Project (2017/2018)
- Co-investigator of the European Project MIS F.4508.14 (FNRS) P.I. D. Bonheure (2014/16) (<http://www.fnrs.be/index.php>)
- Co-investigator of PRIN 2017JPCAPN Project “Qualitative and quantitative aspects of nonlinear PDEs” (P.I.: B. Sciunzi)

Bari, May 2, 2022


Silvia CINGOLANI