

Gaetano Napoli

Curriculum Vitae

Personal information

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Appointments

- since nov16 **Associate Professor of Mathematical-Physics**, *Università del Salento*, Department of Mathematics and Physics, Lecce (Italy).
- may08–oct16 **Assistant Professor of Mathematical-Physics**, *Università del Salento*, Department of Engineering for Innovation, Lecce (Italy).
- 2014 **Italian National Scientific Qualification to function as Full Professor of Mathematical-Physics**, *competition sector 01/A4*.
- jul11 **Chercheur Invité**, *Université Paul-Verlaine*, Metz (France).
◦ 1 month Visiting Assistant Professor
- oct09 **Professeur Visiteur**, *Université Pierre et Marie Curie*, Laboratoire de Physique Statistique (LPS), Paris (France).
◦ 1 month Visiting Professor
- sep06–apr08 **Temporary Lecturer of Rational Mechanics**, *Politecnico di Milano*, Department of Mathematics, Milano (Italy).
- feb03–apr08 **Postdoctoral Researcher**, *Politecnico di Milano*, Department of Mathematics, Milano (Italy).
◦ Advisor: Prof. Paolo Biscari
- nov02–gen03 **Postdoctoral Researcher**, *Ecole Nationale des Ponts et Chaussées (ENPC)*, Laboratoire Analyse des Matériaux et Identification, Champs sur Marne (France).
◦ Advisor: Prof. Denis Duhamel
- nov99–oct02 **Ph.D. Researcher Student**, *Université Pierre et Marie Curie*, Laboratoire de Modélisation en Mécanique, Paris (France).
◦ Advisor: Prof. Raymonde Drouot
- aug98–apr99 **Postgraduate Researcher**, *CNR*, Istituto di Elaborazione della Informazione, Pisa (Italy).

Education

- 2002 **Ph.D. in Mechanics**, *Université Pierre et Marie Curie*, Paris, France.
◦ Advisor: Prof. Raymonde Drouot
◦ Thesis: Contribution à la Modélisation Thermodynamique des Fluides Electro-rhéologiques
- 1998 **Master Degree (Laurea) in Physics**, *Università degli Studi di Pisa*, Italy.
◦ Advisor: Prof. Gianfranco Capriz
◦ Thesis: Cristalli Liquidi Smettici entro la Teoria dei Continui con Microstruttura

Scientific Interests

Continuum mechanics of soft materials. Instabilities in liquid crystals, lipid membranes and hydrogels. Interplay between geometry and continuum physics: liquid crystal shells. Growth and morphology of confined flexible strips.

Academic Visits Abroad

- 2023 Laboratoire de Physique - *Ecole Normale Supérieure e Université Pierre et Marie Curie*, Paris, France (Prof. M. Ben Amar)
- 2017, 2019 Mathematical Institute - *University of Oxford*, UK (Prof. A. Goriely)
- 2015 School of Mathematics and Statistics - *University of Glasgow*, UK (Dr. L. Vergori)
- 2013 *Isaac Newton Institute for Mathematical Sciences*, Cambridge, UK
- 2012 Dipartimento di Matematica - *Politecnico di Milano*, Italia (Prof. P. Biscari)
- 2012 *Nordic Institute for Theoretical Physics*, Stockholm, Sweden (Dr. O. Manlyuhina)
- 2011 *Université Paul-Verlaine*, Metz, France (Dr. M.M. Muller)
- 2009 Laboratoire de Physique Statistique - *Ecole Normale Supérieure e Université Pierre et Marie Curie*, Paris, France (Prof. M. Ben Amar)

Membership

- since 2016 Member of *The International Society for the Interaction of Mechanics and Mathematics (ISIMM)*.
- since 1999 Member of the Italian *Gruppo Nazionale per la Fisica Matematica (GNFM)*.

Grants and Fellowships

- 2021 Local Coordinator of the PRIN 2020 project "Mathematics for Industry 4.0", funded by Italian Ministry of University (PI prof. P. Ciarletta), Funding: 483 k€ (60k€ to my unit)
- 2017 Grant FABR 2017 for basic research funded by MIUR "Finanziamento delle attività base di ricerca" (3k€)
- 2011 Fellowship of the Université Paul Verlaine for one month visiting professorship in Metz (France)
- 2009-2011 Young Researcher Grant of the Engineering Department for Innovation. Università del Salento ($\simeq 3 \times 10\text{k€}$)
- 2009 Fellowship of the Université Pierre et Marie Curie for one month visiting professorship in Paris (France)
- 2006, 2007 GNFM Young Researcher Grant, project *Modellazione teorica e numerica di elastomeri smettici* ($2 \times 1.5\text{k€}$)
- 2003-2008 "Assegno di ricerca", postdoctoral fellowship of the projet *Mathematical Models for Fluids Membranes* of the MIUR (Italian Ministry of University)
- 2002 One year postdoctoral fellowship of the french *Egide Foundation* at ENPC (interrupted after 3 months)
- 1999-2002 "Allocation de recherche", doctoral fellowship of the French *Ministère de l'Éducation et de la Recherche Scientifique et Technologique*

Distinctions

2011 **AIMETA Junior Prize**, awarded by the Italian Association of Theoretical and Applied Mechanics.

Description: the AIMETA Junior Prize is awarded on the occasion of the biennial AIMETA Congress to young Italian researchers for outstanding research results concerning the theoretical and applied mechanics.

Institutional Responsibilities

since 2017 Academic Board, PhD in *Mathematics and Informatics*, Università del Salento.

2014-15 Academic Board, PhD in *Engineering of Complex Systems*, Università del Salento.

Teaching Experience

since 2021 Università del Salento, Course of *Applied Mathematics for Environmental Science*, Master programme in *Environmental Science* (**26 hours/year**)

since 2017 Università del Salento, Course of *Continuum Mechanics*, Master programme in *Mathematics* (**63 hours/year**)

since 2008 Università del Salento, Course of *Rational Mechanics*, undergraduate programme in *Civil Engineering* (**54 hours/year**)

2008-18 Università del Salento, Course of *Rational Mechanics*, undergraduate programme in *Industrial Engineering* (**54 hours/year**)

2010-11 Università del Salento, Course of *Mathematics for Engineers*, undergraduate programme in *Civil Engineering* (**27 hours/year**)

2006-08 Politecnico di Milano, Course of *Rational Mechanics*, undergraduate programme in *Environmental and Civil Engineering* (**60 hours/year**)

2003-08 Politecnico di Milano, Teaching Assistant of *Continuum Mechanics*, *Rational Mechanics*, *Theoretical and Applied Mechanics*, *Mathematical Analysis*, *Mathematical Methods and Models*

Supervision of graduate students and postdoctoral fellows

Postdoc Researchers Supervision of the activity of R. De Pascalis (Università del Salento), related to instabilities in nonlinear elasticity (since 2017).

- ◇ Supervision of the activity of R. De Pascalis (University of Manchester), related to modeling the growth and the stability of constrained flexible strips (2013).
- ◇ Supervision of the activity of L. Vergori (Università del Salento/National University of Ireland), related to modeling of nematic and cholesteric liquid crystals shells (2010-2012).
- ◇ Supervision of the activity of O. Manyuhina (Université Pierre et Marie Curie), related to instabilities in nematic liquid crystals and biological systems (2009), (*in collaboration with Prof. M. Ben Amar*)

PhD Students F. Lisi – PhD in Mathematics and Informatics – Università del Salento e Università della Basilicata (2020 - pres)

- ◇ S. Rizzello – PhD in Engineering of Complex Systems – Università del Salento (2020 - pres)
- ◇ R. Attanasi – PhD in Mathematics and Informatics – Università del Salento e Università della Basilicata (2021 - pres)
- ◇ A. Aramini – PhD in Mathematics and Informatics – Università del Salento e Università della Basilicata (2022 - pres)

- Master Dissertations* 2019 - La generalizzazione di master equations per strutture fluviali Hortoniane (S. Rizzello) – MS in Civil Engineering
- ◇ 2019 - Finite difference model of wave motion for structural health monitoring (N. Creti) – MS in Mathematics
 - ◇ 2018 - Equilibria of two nested elastic rings (F. Lombardo) – MS in Mathematics
 - ◇ 2014 - Development of a control-oriented planar model for very flexible aircraft (C. Cometa) – MS in Mechanical Engineering
 - ◇ 2013 - Elastica di Eulero e sue estensioni: problemi teorici, numerici e questioni computazionali (S. Leogrande) – MS in Mathematics

Bachelor Dissertations Supervisor of several numerous dissertations for the undergraduate programme in Mathematics, Civil and Mechanical Engineering

Editorial and Referee Activity

- 2018-pres Associate Editor of the *European Physical Journal Plus*
- 2015 Guest Editor (together with G. Saccomandi) for the Special Issue *Instabilities and nonlinearities in Soft Systems: from Fluids to Biomaterials*, *International Journal of NonLinear Mechanics*, 2015
- ◇ Served as referee for the journals: *Acta Applicandae Mathematica*, *Acta Mechanica*, *Applications in Engineering Science*, *Chemical Physics Letters*, *Crystals*, *European Physical Journal E*, *EPL*, *Frontiers Materials*, *International Journal for NonLinear Mechanics*, *Journal of Elasticity*, *Journal of Physics A*, *International Journal of Solids and Structures*, *Journal of Nonlinear Science*, *Meccanica*, *Mathematics and Mechanics of Solids*, *Mechanics of Materials*, *Nuovo Cimento B*, *Physical Review E*, *Physical Review Fluids*, *SIAM Journal on Applied Mathematics*, *Science*, *Soft Matter*, *Philosophical Transactions of the Royal Society A*
 - ◇ Served as referee for the *French National Research Agency*.
 - ◇ Served as referee for PhD theses from universities in Europe.

Conferences Organization

- 2023 In the organizing and scientific committees of the *USA and Italy: Biomechanists Outlining New Directions (U&I:BOND)* – Naples 24–27 September, 2023
- 2011 In the organizing committee of the *XVI Conference on Waves and Stability in Continuous Media (WaSCoM 2011)* – Brindisi 12–18 June, 2011

Publications

A. Referred Journals

- [A48] A. Cutolo, M. Fraldi, G. Napoli, G. Puglisi, *Growth of a flexible fibre in a deformable ring*, *Soft Matter* (Accepted), 2023.
- [A47] R. De Pascalis, F. Lisi, G. Napoli, *Electrolyte interphase elastic instability in Li-ion battery anodes*, *Extreme Mechanics Letters* (Accepted), 2023.
- [A46] S. Di Stefano, G. Florio, G. Napoli, N. Pugno, G. Puglisi, *On the role of elasticity in focal adhesion within the passive regime*, *International Journal of Non-Linear Mechanics* **146**, 104157, 2022.
- [A45] S. De Bartolo, S. Rizzello, E. Ferrari, F. Frega, G. Napoli, R. Vitolo, M. Scaraggi, C. Fallico, G. Severino, *Scaling behaviour of braided active channels: a Taylor's power law approach*, *The European Physical Journal Plus*, **137**, 622, 2022.

- [A44] G. Napoli, G. Puglisi, *Transition between partially and fully delaminated configurations of glued thin films*, ***Applications in Engineering Science***, **9**, 100081, 2022.
- [A43] G. Napoli, O. V. Pylypovskiy, D. D. Sheka, L. Vergori, *Nematic shells: new insights in topology-curvature-induced effects*, ***Soft Matter***, **17**, 10322-10333, 2021.
- [A42] G. Bevilacqua, V. Biancalana, Y. Dancheva, A. Fregosi, G. Napoli, A. Vigilante, *Electromagnetic induction imaging: signal detection based on tuned-dressed optical magnetometry*, ***Optic Express***, **29**(23), 37081-37090, 2021.
- [A41] M. Curatolo, P. Nardinocchi, G. Napoli, S. Turzi, *Dehydration-induced mechanical instabilities in active elastic spherical shells*, ***Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science***, **477**, 20210243, 2021.
- [A40] G. Napoli, L. Vergori, *Cooling a spherical nematic shell*, ***Physical Review E: Statistical, Nonlinear, and Soft Matter Physics***, **104**, L022701, 2021.
- [A39] D. De Tommasi, G. Devillanova, F. Maddalena, G. Napoli, G. Puglisi, *Elastic multi-blisters induced by geometric constraints*, ***Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science***, **477**, 20200562, 2021.
- [A38] G. Napoli, A. Goriely, *Elastocytosis*, ***Journal of Mechanics and Physics of Solids***, **145**, 104133, 2020.
- [A37] G. Napoli, S. Turzi, *Spontaneous helical flows in active nematics lying on a cylindrical surface*, ***Physical Review E: Statistical, Nonlinear, and Soft Matter Physics***, **101**, 022701, 2020.
- [A36] G. Napoli, R. De Pascalis, *Weak anchoring effects in smectic-A Fréedericksz transitions*, ***ZAMP***, **70**, 132, 2019.
- [A35] R. De Pascalis, G. Napoli, G. Saccomandi, *Kink-type solitary waves within the quasi-linear viscoelastic model*, ***Wave Motion***, **86**, 195–202, 2019.
- [A34] F. Lombardo, A. Goriely, G. Napoli, *Asymmetric equilibria of two nested elastic rings*, ***Mechanics Research Communications***, **94**, 91–94, 2018.
- [A33] G. Napoli, L. Vergori, *Influence of the extrinsic curvature in two-dimensional nematic films*, ***Physical Review E: Statistical, Nonlinear, and Soft Matter Physics***, **97**, 052705, 2018.
- [A32] G. Napoli, A. Goriely, *A tale of two nested elastic rings*, ***Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science***, **473**, 20170340, 2017.
- [A31] G. Napoli, S. Turzi, *The delamination of a growing elastic sheet with adhesion*, ***Meccanica***, **52**, 3481–3487, 2017.
- [A30] G. Napoli, L. Vergori, *Hydrodynamic theory for nematic shells: The interplay among curvature, flow, and alignment*, ***Physical Review E: Statistical, Nonlinear, and Soft Matter Physics***, **94**, 020701(R), 2016.
- [A29] P. Aursand, G. Napoli, J. Ridder, *On the dynamics of the weak Fréedericksz transition for nematic liquid crystals*, ***Communications in Computational Physics***, **20**, 1359, 2016.
- [A28] G. Napoli, M. Scaraggi, *Nematic liquid crystals in a spatially step-wise magnetic field*, ***Physical Review E: Statistical, Nonlinear, and Soft Matter Physics***, **93**, 012701, 2016.
- [A27] G. Napoli, S. Turzi, *Snap buckling of a confined thin elastic sheet*, ***Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science***, **471**, 20150444, 2015.
- [A26] R. De Pascalis, G. Napoli, S. Turzi, *Growth-induced blisters in a circular tube*, ***Physica D: Nonlinear Phenomena***, **283**, 1–9, 2014.
- [A25] G. Napoli, L. Vergori, *Effective free energies for cholesteric shells*, ***Soft Matter***, **9**(34), 8378, 2013.
- [A24] G. De Matteis, G. Napoli, *Electric-field-induced density modulations in a nematic liquid crystal cell*, ***SIAM Journal on Applied Mathematics***, **73**, 882, 2013.
- [A23] G. Napoli, L. Vergori, *Curvature-induced ordering in cylindrical nematic shells*, ***International Journal of NonLinear Mechanics***, **49**, 66, 2013.

- [A22] G. Bevilacqua, G. Napoli, *Parity of the weak Fréedericksz transition*, **European Physical Journal E**, **35**, 133, 2012.
- [A21] G. Napoli, L. Vergori, *Surface free energies for nematic shells*, **Physical Review E**, **85**, 061701, 2012.
- [A20] G. Napoli, L. Vergori, *Extrinsic curvature effects on nematic shells*, **Physical Review Letters**, **108**, 207803, 2012
- [A19] A. Pandolfi, G. Napoli, *A numerical investigation on field induced distortions in nematic liquid crystals*, **Journal of Nonlinear Science**, **21**, 785, 2011.
- [A18] M. Ben Amar, O. V. Manyuhina, G. Napoli, *Cell motility: a viscous fingering analysis of active gels*, **The European Physical Journal Plus**, **126**, 19, 2011.
- [A17] G. Napoli, *Influence of K_{24} in periodic splay-twist Fréedericksz transitions*, **Europhysics Letters**, **92**, 46006, 2010.
- [A16] G. Napoli, L. Vergori, *Equilibrium of Nematic Vesicles*, **Journal of Physics A: Mathematical and Theoretical**, **43**, 44520, 2010.
- [A15] G. Bevilacqua, G. Napoli, *Periodic splay-twist Freedericksz transition for nematics confined between two concentric cylinders*, **Physical Review E**, **81**(3), 031707, 2010.
- [A14] G. Napoli, A. Nobili, *Mechanically induced Helfrich-Hurault effect in lamellar systems*, **Physical Review E**, **80**(3), 031710, 2009.
- [A13] P. Biscari, G. Napoli, *Axial-symmetry breaking in constrained membranes*, **Philosophical Transactions of the Royal Society A**, **367**, 3363-3378, 2009.
- [A12] G. Napoli, S. Turzi, *On the determination of nontrivial equilibrium configurations close to a bifurcation point*, **Computers and Mathematics with Applications**, **55**(2), 299–307, 2008.
- [A11] P. Biscari, G. Napoli, *Inclusion-induced boundary layers in lipid vesicles*, **Biomechanics and Modeling in Mechanobiology**, **6**, 297–301, 2007.
- [A10] P. Biscari, G. Napoli, S. Turzi, *Bulk and surface biaxiality in nematic liquid crystals*, **Physical Review E**, **74**, 031708, 2006.
- [A09] G. Napoli, *Weak anchoring effects in electrically driven Freedericksz transitions*, **Journal of Physics A: Mathematical and General**, **39**, 11-31, 2006.
- [A08] G. Napoli, *On smectic-A liquid crystals in an electrostatic field*, **IMA Journal of Applied Mathematics**, **71**, 34–46, 2006.
- [A07] G. Bevilacqua, G. Napoli, *Reexamination of the Helfrich-Hurault effect in smectic-A liquid crystals*, **Physical Review E**, **72**, 041708, 2005.
- [A06] G. Bevilacqua, G. Napoli, *The slight distortions induced by an electrostatic field on finite samples of smectic-A liquid crystals*, **Molecular Crystals Liquid Crystals**, **436**, 1081–1090, 2005.
- [A05] P. Biscari, G. Napoli, *Nonlinear shape perturbations induced by vesicle inclusions*, **Molecular Crystals Liquid Crystals**, **434**, 599–607, 2005.
- [A04] P. Biscari, S. Canavese, G. Napoli, *Impermeability effects in three dimensional vesicles*, **Journal of Physics A: Mathematical and General**, **37**, issue 27, 6859–6875, 2004.
- [A03] R. Drouot, G. Napoli, G. Racineux, *Continuum modelling of electrorheological fluids*, **International Journal of Modern Physics B**, **16**, 2649–2654, 2002.
- [A02] G. Capriz, G. Napoli, *Swelling and tilting in smectic layers*, **Applied Mathematics Letters**, **14**, Issue 6, 673–678, 2001.
- [A01] G. Napoli, *Smectic liquid crystals with compressible elastic layers*, **Meccanica**, **34**, 251–258, 1999.

B. Comments and other

- [B01] G. Napoli, *The remodeling of the fibers texture Comment on "Towards a unified approach in the modeling of fibrosis: A review with research perspectives" by Martine Ben Amar and Carlo Bianca*, **Physics of Life Reviews**, **17**, 108, 2016.
- [B02] G. Napoli, G. Saccomandi, *Foreword*, **International Journal of NonLinear Mechanics**, **75**, 1, 2015.

C. Conference Proceedings

- [C05] A. Pandolfi, G. Napoli, *Field-Induced Phase Transitions in Nematic Liquid Crystals: A Numerical Study*, Third Euro Mediterranean Symposium on Advances in Geomaterial and Structures, AGS, Djerba, (Tunisia), 10-12 maggio 2010.
- [C04] G. Napoli, A. Nobili, *Instability in layered materials*, XVIII Congresso dell'Associazione Italiana di Meccanica Teorica ed Applicata (AIMETA), Brescia (Italy) 11-16 settembre 2007.
- [C03] G. Napoli, R. Drouot et G. Racineux, *Modélisation du comportement électromécanique des suspensions électrorhéologiques en traction-compression*, 38^{ème} Colloque annuel du Groupe Français de Rhéologie, Brest, France, 15-17 ottobre 2003.
- [C02] G. Napoli, R. Drouot et G. Racineux, *Un modèle thermodynamique de fluide électro-rhéologique*, on the Proceedings of the XV-ième Congrès Français de Mécanique, CD-ROM n. 380, pp. 1-6, 2001.
- [C01] R. Drouot, G. Napoli, G. Racineux, *Continuum modelling of electrorheological fluids*, on the Proceedings of the 8th International Conference on Electrorheological and Magnetorheological Suspensions, pp. 739-744, 2001.

D. Master and PhD Theses

- [D02] G. Napoli, *Contribution à la modélisation thermodynamique des fluides electro-rhéologiques*, pp. 122, UPMC-Paris, October 2002 (in french).
- [D01] G. Napoli, *Cristalli liquidi smettici entro la teoria dei continui con microstruttura*, Dipartimento di Fisica, pp. 82, Pisa (Italy), Juin 1998 (in italian).

Communications

Talks ([IS] = Invited Speaker)

- 2023 XIX Red Raider Minisymposium, Lubbock (USA) [IS]
- 2022 14th National SICL Meeting, Padova (Italy)
- ◇ 28th International Liquid Crystal Conference, Lisbon (Portugal)
- 2021 Active Materials: from Mechanobiology to Smart Devices, Cortona (Italy) [IS]
- ◇ DOS Meeting on Anisotropic Materials, Durham-Oxford-Strathclyde (UK) (in remote) [IS]
 - ◇ Curvilinear Condensed Matter: Fundamentals and Applications, Bad Honnef (Germany)(in remote)
 - ◇ Engineered Materials for Sustainable Structures, Modena (Italy) (in remote) [IS]
- 2019 DPG Spring Conference, Regensburg (Germany), [IS]
- ◇ Mathematical Physics in Florence, Firenze (Italy), [IS]
- 2018 Mathematics of Thin Structures, Dresden (Germany), [IS]
- ◇ XXVII International Liquid Crystal Conference, Kyoto (Japan)
- 2017 INdAM Meeting Mathematical Physics of Living Systems, Cortona (Italy) [IS]
- 2015 18-ème Rencontres du non Linéaire: Morphogenesis, Paris (France) [IS]
- ◇ XX Congresso dell'Unione Matematica Italiana, Siena (Italy) [IS]
- 2012 SIAM Annual Meeting, Minneapolis (USA) [IS]
- ◇ Assemblea Scientifica GNFM, Montecatini (Italy)

- 2011 XX Congresso AIMETA, Bologna (Italy) [*IS*]
 - ◇ XVI Conference on Waves and Stability in Continuous Media, Brindisi (Italy)
- 2007 Mathematics Modeling, Mechanics & Materials, Bressanone (Italy)
- 2003 Modelli Matematici per la Scienza dei Materiali, Bressanone (Italy)
- 2002 Fifth Micro Colloquium “Microstructures”, Marne la Vallée (France)
 - ◇ Modelli Matematici per la Scienza dei Materiali, Torino (Italy)
 - ◇ Journée Jeunes Chercheurs du LMM, Versailles (France)
- 2001 Modelli Matematici per la Scienza dei Materiali, Bressanone (Italy)
 - ◇ XV-ième Congrès Français de Mécanique, Nancy (France)
 - ◇ Journée Jeunes Chercheurs du LMM, Paris (France)
- 2000 Journée Fluides Electro-Rhéologiques, Versailles (France)
 - ◇ Modelli Matematici per la Scienza dei Materiali, Bressanone (Italy)

Posters

- 2014 Soft Matter in Paris, Paris (France)
- 2004 XX International Liquid Crystal Conference, Ljubljana (Slovenia)
- 1998 Second Micro Colloquium “Microstructures”, Pisa (Italy)

Invited seminars

- 2023 Université de Lorraine, Nancy (France)
- 2022 Texas Tech University, Lubbock (USA) (in remote)
- 2018 Università Cattolica del Sacro Cuore, Brescia (Italy)
- 2016 Università degli Studi di Modena e Reggio Emilia (Italy)
 - ◇ Università di Roma "La Sapienza" (Italy)
 - ◇ Université de Paris Nord (Paris XIII), Villetaneuse (France)
- 2015 University of Glasgow (UK)
- 2012 Università degli Studi di Pavia (Italy)
- 2011 Università degli Studi di Modena e Reggio Emilia (Italy)
- 2009 Ecole Normale Supérieure de Paris (France)
- 2007 Università degli Studi di Verona (Italy)
- 2005 Università degli Studi “Mediterranea” di Reggio Calabria (Italy)