

Università degli Studi di Milano

Procedura di selezione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 per il settore concorsuale 01/A1 – Logica Matematica e Matematiche Complementari (settore scientifico-disciplinare MAT/01 – Logica Matematica) presso il Dipartimento di Matematica “Federigo Enriques” (avviso bando pubblicato sulla G.U. n. 30 del 14/04/2020) - Codice concorso 4323

VINCENZO MARRA – CURRICULUM VITÆ

Vincenzo Marra

Date of birth: 18th February 1972

Place of birth: Melito di Porto Salvo (RC),
Italy

Dipartimento di Matematica
“Federigo Enriques”

Università degli Studi di Milano
via Cesare Saldini, 50
20133 Milano
Italy

Previous Positions

Dipartimento di Matematica “Federigo Enriques”
Università degli Studi di Milano, Italy

Associate Professor (Professore Associato)

2015–present

Dipartimento di Matematica “Federigo Enriques”
Università degli Studi di Milano, Italy

Assistant Professor (Ricercatore confermato)

2012–2015

Dipartimento di Informatica e Comunicazione
Università degli Studi di Milano, Italy

Assistant Professor (Ricercatore confermato)

2003–2012

Institut für Mathematik

Freie Universität Berlin, Germany

Marie Curie Post-Doctoral Fellow

2002–2003

- Marie-Curie Research Training Network COMSTRU (*Combinatorial Structure of Intractable Problems*).
- Research group *Diskrete Mathematik* led by Prof. Martin Aigner.

Dipartimento di Scienze dell'Informazione
Università degli Studi di Milano, Italy

Postdoc (Assegnista di ricerca)

2001–2002

Visiting Positions

CONICET–National Research Council, Buenos Aires, Argentina

Visiting mathematician

Jul – Sept 2012

Department of Pure Mathematics and Mathematical Statistics
Cambridge University, United Kingdom

Junior visiting mathematician (Queens' College)

Sept 2000 – Jan 2001

Ph.D. **Università degli Studi di Milano, Italy**

Ph.D. in Theoretical Computer Science (Dottorato in Informatica Teorica)

2002

- Thesis: *Non-Boolean partitions. A mathematical investigation through lattice-ordered Abelian groups and MV-algebras.*
- Supervisor: Prof. D. Mundici.
- External Readers: Prof. R. L.O. Cignoli (Buenos Aires), Prof. A.M.W. Glass (Cambridge).

Research Interests

- Algebraic logic.
 - Many-valued logics: Łukasiewicz logic and MV-algebras; Gödel-Dummett logics and their algebras; generalisations: Hájek’s Basic Logic, other substructural logics, and classes of residuated lattices.
 - Intermediate logics and Heyting algebras.
 - Stone Duality, Duality Theory, and generalisations.
- Ordered algebraic structures.
 - Distributive lattices, lattice-ordered groups, vector lattices, and their connections to topology and polyhedral geometry (Baker-Beynon Duality).
 - Rings and vector lattices of continuous functions.
 - Ordered groups and groups of ordered-preserving permutations.
- Logic, more broadly construed, and other themes.
 - Categorical universal algebra (Lawvere-Linton theories, infinitary algebraic languages), sheaves and toposes.
 - Finitely and recursively presented objects in various contexts (word problems in algebra, homeomorphism problems in geometry).
 - Algebraic foundations and generalisations of Bayesian probability theory.

Publications

- Submitted papers**
- [S1] W. Fussner, M. Gehrke, S. van Gool, and V. Marra, “Priestley duality for MV-algebras, and beyond”, 30 pp., 2020.
arXiv:2002.12715.
- [S2] V. Marra and L. Reggio, “A characterisation of the category of compact Hausdorff spaces”, 22 pp., 2019.
arXiv:1808.09738v3.
- [S3] T. Kroupa and V. Marra, “The two-sorted algebraic theory of states”, 19 pp., 2019.
arXiv:2001.03533.

As Author *Journal Papers*

Ordered Algebraic Structures

- [1] A. Colacito and V. Marra, “Orders on groups, and spectral spaces of lattice-groups”, *Algebra Universalis*, vol. 81, Paper No. 6, 30 pp. (online first), 2020.
- [2] R. N. Ball, V. Marra, D. McNeill, and A. Pedrini, “From Freudenthal’s Spectral Theorem to projectable hulls of unital Archimedean lattice-groups, through compactifications of minimal spectra”, *Forum Mathematicum*, vol. 30, no. 2, pp. 513–526, 2018.
- [3] G. Bezhanishvili, V. Marra, P. J. Morandi, and B. Olberding, “De Vries powers: a generalization of Boolean powers for compact Hausdorff spaces”, *Journal of Pure and Applied Algebra*, vol. 19, no. 9, pp. 3958–3991, 2015.
- [4] G. Bezhanishvili, V. Marra, P. J. Morandi, and B. Olberding, “Idempotent generated algebras and Boolean powers of commutative rings”, *Algebra Universalis*, vol. 73, no. 2, pp. 183–204, 2015.
- [5] V. Marra, “The Chinese Remainder Theorem for strongly semisimple MV-algebras and lattice-groups”, *Mathematica Slovaca*, vol. 65, no. 4, pp. 829–840, 2015, special issue dedicated to Antonio Di Nola.

- [6] M. Gehrke, S. J. van Gool, and V. Marra, “Sheaf representations of MV-algebras and lattice-ordered abelian groups via duality”, *Journal of Algebra*, vol. 417, pp. 290–332, 2014.
- [7] R. N. Ball and V. Marra, “Unital hyperarchimedean vector lattices”, *Topology and its Applications*, vol. 170, pp. 10–24, 2014.
- [8] V. Marra, “Lattice-ordered Abelian groups and Schauder bases of unimodular fans, II”, *Transactions of the American Mathematical Society*, vol. 365, no. 5, pp. 2545–2568, 2013.
- [9] V. Marra, “The Lebesgue state of a unital Abelian lattice-ordered group, II”, *Journal of Group Theory*, vol. 12, no. 6, pp. 911–922, 2009.
- [10] —, “Weinberg’s theorem, Elliott’s ultrasimplicial property, and a characterisation of free lattice-ordered Abelian groups”, *Forum Mathematicum*, vol. 20, no. 3, pp. 505–513, 2008.
- [11] V. Marra and D. Mundici, “The Lebesgue state of a unital Abelian lattice-ordered group”, *Journal of Group Theory*, vol. 10, no. 5, pp. 655–684, 2007.
- [12] A. M. W. Glass and V. Marra, “The underlying group of any finitely generated Abelian lattice-ordered group is free”, *Algebra Universalis*, vol. 56, no. 3-4, pp. 467–468, 2007.
- [13] C. Manara, V. Marra, and D. Mundici, “Lattice-ordered Abelian groups and Schauder bases of unimodular fans”, *Transactions of the American Mathematical Society*, vol. 359, no. 4, pp. 1593–1604, 2007.
- [14] A. M. W. Glass and V. Marra, “Embedding finitely generated abelian lattice-ordered groups: Higman’s theorem and a realisation of π ”, *Journal of the London Mathematical Society*, vol. 68, no. 3, pp. 545–562, 2003.
- [15] V. Marra and D. Mundici, “Combinatorial fans, lattice-ordered groups, and their neighbours: a short excursion”, *Séminaire Lotharingien de Combinatoire*, vol. 47, pp. 1–19, 2001.
- [16] V. Marra, “Every Abelian ℓ -group is ultrasimplicial”, *Journal of Algebra*, vol. 225, no. 2, pp. 872–884, 2000.

Algebraic Logic, and Stone Duality

- [17] O. Caramello, V. Marra, L. Spada, “General affine adjunctions, *Nullstellensätze*, and dualities”, *Journal of Pure and Applied Algebra*, in press.
- [18] N. Bezhanishvili, V. Marra, D. McNeill, and A. Pedrini, “Tarski’s theorem on intuitionistic logic, for polyhedra”, *Annals of Pure and Applied Logic*, vol. 169, no. 5, pp. 373–391, 2018.
- [19] V. Marra and L. Reggio, “Stone duality above dimension zero: axiomatising the algebraic theory of $C(X)$ ”, *Advances in Mathematics*, vol. 307, pp. 253–287, 2017.
- [20] V. Marra and L. Spada, “Duality, projectivity, and unification in Łukasiewicz logic and MV-algebras”, *Annals of Pure and Applied Logic*, vol. 164, no. 3, pp. 192–210, 2013.
- [21] S. Aguzzoli, L. M. Cabrer, and V. Marra, “MV-algebras freely generated by finite Kleene algebras”, *Algebra Universalis*, vol. 70, no. 3, pp. 245–270, 2013.
- [22] V. Marra and L. Spada, “The dual adjunction between MV-algebras and Tychonoff spaces”, *Studia Logica*, vol. 100, no. 1-2, pp. 253–278, 2012, special issue *in memoriam* Leo Esakia.
- [23] R. Cignoli and V. Marra, “Stone duality for real-valued multisets”, *Forum Mathematicum*, vol. 24, no. 6, pp. 1317–1331, 2012.
- [24] S. Aguzzoli and V. Marra, “Finitely presented MV-algebras with finite automorphism group”, *Journal of Logic and Computation*, vol. 20, no. 4, pp. 811–822, 2010.
- [25] V. Marra, “A characterization of MV-algebras free over finite distributive lattices”, *Archive for Mathematical Logic*, vol. 47, no. 3, pp. 263–276, 2008.
- [26] S. Aguzzoli, B. Gerla, and V. Marra, “Gödel algebras free over finite distributive lattices”, *Annals of Pure and Applied Logic*, vol. 155, no. 3, pp. 183–193, 2008.

- [27] S. Aguzzoli, M. Busaniche, and V. Marra, “Spectral duality for finitely generated nilpotent minimum algebras, with applications”, *Journal of Logic and Computation*, vol. 17, no. 4, pp. 749–765, 2007.
- [28] O. M. D’Antona and V. Marra, “Computing coproducts of finitely presented Gödel algebras”, *Annals of Pure and Applied Logic*, vol. 142, no. 1-3, pp. 202–211, 2006.

Logic, more broadly construed

- [29] T. Kroupa and V. Marra, “Generalised states: a multi-sorted algebraic approach to probability”, *Soft Computing*, vol. 21, no. 1, pp. 57-67, 2017.
- [30] V. Marra, “The problem of Artificial Precision in Theories of Vagueness: A note on the rôle of maximal consistency”, *Erkenntnis*, vol. 79, no. 5, pp. 1015–1026, 2014.
- [31] P. Codara, O. M. D’Antona, and V. Marra, “The logical content of triangular bases of fuzzy sets in Łukasiewicz infinite-valued logic”, *Fuzzy Sets and Systems*, vol. 247, pp. 290–332, 2014.
- [32] —, “Valuations in Gödel logic, and the Euler Characteristic”, *Journal of Multiple-Valued Logic and Soft Computing*, vol. 19, pp. 71–84, 2012.
- [33] S. Aguzzoli, O. M. D’Antona, and V. Marra, “Computing minimal axiomatizations in Gödel propositional logic”, *Journal of Logic and Computation*, vol. 21, no. 5, pp. 791–812, 2011.
- [34] P. Codara, O. M. D’Antona, and V. Marra, “An analysis of Ruspini partitions in Gödel logic”, *International Journal of Approximate Reasoning*, vol. 50, no. 6, pp. 825–836, 2009.
- [35] S. Aguzzoli, M. Bianchi, and V. Marra, “A temporal semantics for Basic Logic”, *Studia Logica*, vol. 92, no. 2, pp. 147–162, 2009.
- [36] S. Aguzzoli, B. Gerla, and V. Marra, “De Finetti’s no-Dutch-book criterion for Gödel logic”, *Studia Logica*, vol. 90, no. 1, pp. 25–41, 2008.
- [37] V. Marra and D. Mundici, “Riemann average truth-value of Łukasiewicz formulas”, *Mathematica Slovaca*, vol. 56, no. 5, pp. 511–524, 2006.

Papers in Collections, and Book Chapters

- [38] S. Aguzzoli and V. Marra, “Two principles in many-valued logic”, in *Petr Hájek on Mathematical Fuzzy Logic*, ser. Outstanding Contributions to Logic, F. Montagna, Ed. New York: Springer, 2015, pp. 159–174.
- [39] V. Marra, “Is there a probability theory of many-valued events?”, in *Probability, Uncertainty, and Rationality*, ser. Centro di Ricerca Matematica “Ennio De Giorgi”, Publications of the Scuola Normale Superiore, H. Hosni and F. Montagna, Eds. Pisa: Springer, 2010, vol. 10, pp. 141–166.
- [40] S. Aguzzoli, S. Bova, and V. Marra, “Applications of finite duality to locally finite varieties of BL-algebras”, in *Logical Foundations of Computer Science (International symposium, LFCS 2009, Deerfield Beach, FL, USA)*, ser. Lecture Notes in Computer Science, S. Artemov and A. Nerode, Eds. Berlin: Springer, 2009, vol. 5407, pp. 1–15.
- [41] S. Aguzzoli, B. Gerla, and V. Marra, “Algebras of Fuzzy Sets in Logics based on Continuous Triangular Norms”, in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty (10th European Conference, ECSQARU 2009, Verona, Italy)*, ser. Lecture Notes in Computer Science, C. Sossai and G. Chemello, Eds. Berlin: Springer, 2009, vol. 5590, pp. 875–886.
- [42] P. Codara, O. M. D’Antona, and V. Marra, “Open partitions and probability assignments in Gödel logic”, in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty (10th European Conference, ECSQARU 2009, Verona, Italy)*, ser. Lecture Notes in Computer Science, C. Sossai and G. Chemello, Eds. Berlin: Springer, 2009, vol. 5590, pp. 911–922.

- [43] —, “Best approximation of Ruspini Partitions in Gödel logic”, in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty (9th European Conference, ECSQARU 2007, Hammamet, Tunisia)*, ser. Lecture Notes in Computer Science, K. Mellouli, Ed. Berlin: Springer, 2007, vol. 4724, pp. 161–172.
- [44] A. M. W. Glass, V. Marra, and D. Mundici, “Embedding in finitely presented lattice-ordered groups: explicit presentations for constructions”, in *Groups St. Andrews 2005. Vol. 2*, ser. London Math. Soc. Lecture Note Ser., C. M. Campbell, M. R. Quick, E. F. Robertson, and G. C. Smith, Eds. Cambridge: Cambridge Univ. Press, 2007, vol. 340, pp. 438–444.
- [45] S. Aguzzoli, O. M. D’Antona, and V. Marra, “Brun normal forms for co-atomic Łukasiewicz logics”, in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty (8th European Conference, ECSQARU 2005, Barcelona, Spain)*, ser. Lecture Notes in Computer Science, L. Godo, Ed. Berlin: Springer, 2005, pp. 650–661.
- [46] V. Marra and D. Mundici, “Łukasiewicz logic and Chang’s MV algebras in action”, in *Trends in logic – 50 Years of Studia Logica*, ser. Trends in Logic, V. F. Hendricks and J. Malinowski, Eds. Dordrecht: Kluwer Acad. Publ., 2003, vol. 21, pp. 145–192.
- [47] —, “MV-algebras and Abelian ℓ -groups: a fruitful interaction”, in *Ordered algebraic structures*, ser. Developments in Mathematics, J. Martinez, Ed. Dordrecht: Kluwer Acad. Publ., 2002, vol. 7, pp. 57–88.

Conference Proceedings

- [48] P. Codara, O. D’Antona, and V. Marra, “The Euler Characteristic of a formula in Gödel logic”, in *Proceedings of the 40th IEEE International Symposium on Multiple-Valued Logic*, 2010, pp. 108–112.
- [49] S. Aguzzoli, B. Gerla, and V. Marra, “The automorphism group of finite Gödel algebras”, in *Proceedings of the 40th IEEE International Symposium on Multiple-Valued Logic*, 2010, pp. 21–26.
- [50] S. Bova, P. Codara, D. Maccari, and V. Marra, “A logical analysis of Mamdani-type fuzzy inference, I. theoretical bases”, in *Proceedings of the IEEE International Conference on Fuzzy Systems*, 2010, pp. 254–261.
- [51] —, “A logical analysis of Mamdani-type fuzzy inference, II. An experiment on the technical analysis of financial markets”, in *Proceedings of the IEEE International Conference on Fuzzy Systems*, 2010, pp. 262–269.
- [52] P. Codara, O. M. D’Antona, and V. Marra, “A characterisation of bases of triangular fuzzy sets”, *Proceedings of the IEEE International Fuzzy Systems Conference*, pp. 604–609, 2009.
- [53] S. Aguzzoli, B. Gerla, and V. Marra, “Defuzzifying formulas in Gödel logic through finitely additive measures”, *Proceedings of the IEEE International Fuzzy Systems Conference*, pp. 1886–1893, 2008.
- [54] —, “Embedding Gödel propositional logic into Prior’s tense logic”, *Proceedings of the 12th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems*, pp. 992–999, 2008.
- [55] P. Codara, O. M. D’Antona, and V. Marra, “Propositional Gödel logic and Delannoy paths”, *Proceedings of the IEEE International Fuzzy Systems Conference*, pp. 1–5, 2007.
- [56] V. Marra and D. Mundici, “Consequence and complexity in infinite-valued logic: a survey”, *Proceedings of the 32nd IEEE International Symposium on Multiple-Valued Logic*, pp. 104–114, 2002.

- [57] G. Bezhanishvili, S. Löbner, V. Marra, and F. Richter, Eds., *Logic, Language, and Computation*, ser. Lecture Notes in Computer Science, vol. 7758. Berlin: Springer, xii+277 p., 2013.
- [58] E. Damiani, O. M. D’Antona, V. Marra, and F. Palombi, Eds., *From combinatorics to philosophy. The legacy of G.-C. Rota*. New York: Springer, xvii+260 p., 2009.
- [59] S. Aguzzoli, A. Ciabattini, B. Gerla, C. Manara, and V. Marra, Eds., *Algebraic and proof-theoretic aspects of non-classical logics. Papers in honor of Daniele Mundici on the occasion of his 60th birthday*, ser. Lecture Notes in Computer Science, vol. 4460. Berlin: Springer, viii+309 p., 2007.

Journal Special Issues

- [60] S. Aguzzoli, D. Ciucci, and V. Marra, Eds., “Rough sets and Logic”, *International Journal of Approximate Reasoning*, vol. 55, no. 1, 2014.
- [61] I. Leuştean and V. Marra, Eds., “Algebra and probability in many-valued reasoning”, *Studia Logica*, vol. 94, no. 2, 2010.
- [62] S. Aguzzoli, B. Gerla, and V. Marra, Eds., “Applications of topological dualities to measure theory in algebraic many-valued logic”, *Journal of Logic and Computation*, vol. 21, no. 3, 2011.

Projects and Funding

Futuro in Ricerca	<i>Principal Investigator</i> of the FIRB–Futuro in Ricerca project “Teoria della probabilità degli eventi non classici” (“Probability theory of non-classical events”), 2012–2016.
ERC	<p><i>Marie Curie Post-Doctoral Fellow</i> of the COMBSTRU Research Training Network, Freie Universität, Berlin, 2002–2003.</p> <p><i>Member</i> of European Research Council projects:</p> <ul style="list-style-type: none"> • Sysmics 2016–2019 – “Syntax Meets Semantics”, coordinator Luca Spada. Research and Innovation Staff Exchange (RISE) action. • MaToMUVI 2010–2013 – “Applying Logics to Uncertainty”, coordinatore Luca Spada. International Research Staff Exchange Scheme (IRSES) action. <p><i>Scientific supervisor</i> of the Marie Curie Intra-European Fellowship 2014–2016: “Ordered Algebraic Structures in Game Theory”. <i>Principal Investigator</i>: Tomáš Kroupa, Academy of Sciences of the Czech Republic. Hosting Institution: Dipartimento di Matematica “Federigo Enriques”.</p>
COST	<i>Member</i> , COST Action #15, 1995–1999 – <i>Many-valued logics for Computer Science applications</i> , coordinator Luisa Iturrioz
MIUR	<p>Member or group coordinator (<i>responsabile di unità</i>) of several research projects funded by the Italian Ministry of Research:</p> <ul style="list-style-type: none"> • <i>Member</i>, PRIN 2010 – “Strumenti logici per il trattamento dell’informazione”, national coordinator Antonio Di Nola. • <i>Group coordinator</i> (Milan team), PRIN 2008 – “Semantiche algebriche per l’incertezza”, national coordinator Antonio Di Nola. • <i>Member</i>, PRIN 2004 – “Logica a più valori e informazione in condizioni di incertezza”, national coordinator Franco Montagna. • <i>Member</i>, PRIN 2002 – “Fondamenti algebrici e applicazioni della logica a più valori”, national coordinator Franco Montagna. • <i>Member</i>, Bilateral project Italy-Austria 2000 – “Teoria della dimostrazione analitica per le logiche fuzzy”, Italian coordinator Daniele Mundici.

Private Funding Head of the research project “Automating Financial Trading through Fuzzy Logic”, 2008–2009. Commissioned research project contract between Università degli Studi di Milano and *Princes Gate Investment Advisory Group* SA, Geneva, Switzerland. Project aim: To develop a software application for automated trading in the stock market, based on algorithms that apply many-valued logic to the treatment of vague information.

Invited Addresses, Editorial Boards, Scientific Committes

Invited Addresses (short selection)	UMI2019: XXI Congresso dell’Unione Matematica Italiana Pavia, Italy	6 Sept 2019
	BLAST2018 Denver, USA	10 Aug 2018
	AMS Sectional Meeting – Algebraic Logic Session Denver, USA	8 Ott 2016
	LATD 2014: Logic, Algebra, and Truth Degrees Vienna Summer of Logic, Vienna, Austria	16–19 Jul 2014
	XV SLALM: 15th Latin American Symposium on Mathematical Logic Bogotá, Colombia	5 Jun 2012
	TACL 2011: Topology, Algebra, and Categories in Logic Université de Provence, Marseille, France	26 Jul 2011
	International Conference on Order, Algebra, and Logics Krakow, Poland	8 Jun 2011
	Topological Methods in Logic II Tbilisi, Georgia	3 June 2010
	Probability, Uncertainty, and Rationality Scuola Normale Superiore, Pisa, Italy	2 Nov 2009
	Non-Classical Logics: from Foundations to Applications Scuola Normale Superiore, Pisa, Italy	24 Apr 2008
Editorial Boards	Residuated Structures: Algebra and Logic CONICET, Buenos Aires, Argentina	17 Apr 2008
	Algebra Universalis , Springer <i>Member of the editorial board</i>	2019–present
	Mathematica Slovaca , Springer <i>Member of the editorial board, Algebra section</i>	2011–2019
	Journal of Multiple-Valued Logic , Old City Publishing. <i>Member of the editorial board</i>	2011–2016
	Soft Computing , Springer <i>Member of the editorial board</i>	2006–2011

Steering Committees	Logic, Algebra, and Truth Degrees	
	<i>A series of biennial international conferences</i> <ul style="list-style-type: none"> • Member of Steering Committee. • Member of Programme Committee of several instalments. 	2015–present
	ManyVal	
	<i>A series of biennial international workshops</i> <ul style="list-style-type: none"> • Co-founder of the series and member of Steering Committee. • Member of Programme Committee of several instalments. 	2006–present
	ERCIM Working Group on Many-Valued Logic	
	The European Research Consortium for Informatics and Mathematics	
	<i>Member of the Board of the Working Group</i> <ul style="list-style-type: none"> • Co-founder of Working Group. 	2014–2017
Programme Committees (short selection)	TACL 2019: Topology, Algebra, and Categories in Logic	
	Nice, France	
	<i>Member of programme committee</i>	
	TACL 2015: Topology, Algebra, and Categories in Logic	
	Isola di Ischia, Italy	
	<i>Co-chair of programme committee</i>	
	TACL 2013: Topology, Algebra, and Categories in Logic	
	Vanderbilt University, Nashville, USA	
	<i>Member of programme committee</i>	
	Algebraic Semantics for Uncertainty and Vagueness	2011
	Università degli Studi di Salerno, Italy	
	<i>Member of programme committee</i>	
	ECSQARU 2009	
	Università degli Studi di Verona, Italy	
	<i>Member of programme committee</i>	
	Algebra and Probability in Many-Valued Logics	2009
	Technische Universität, Darmstadt, Germany	
	<i>Member of programme committee</i>	
	From Combinatorics to Philosophy. The legacy of G.-C. Rota.	2009
	Università degli Studi di Milano, Italy	
	<i>Member of programme committee</i>	

Teaching

Note *On sabbatical leave for the academic year 2019–2020.*

Courses (B.Sc., M.Sc., Ph.D.)	Università degli Studi di Milano	
	Laurea Triennale in Matematica	
	• Programmazione 1	2013–present
	• Laboratorio di Programmazione 1.	2013–2018
	• Elementi di Matematica di Base.	2018
	Laurea Triennale in Informatica	
	• Laboratorio di Programmazione.	2004–2013
	• Complementi di Logica (Logica Fuzzy)	2005–2015
	• Laboratorio di Programmazione Assembly.	2004–2010
	(All'interno del Corso di Architettura degli Elaboratori.)	
	Laurea Magistrale in Matematica	
	• Logica matematica 2	2016–today
	• Logica matematica 1	2017
	Laurea Magistrale in Informatica	
	• Metodi Formali	2017
	Ph.D.	
	• <i>Reading course on Topos Theory</i> (co-run by Sandra Mantovani). Università degli Studi di Milano Dottorato in Matematica	2019
	• <i>Short course on Baker-Beynon Duality.</i> Bowling Green State University, Ohio, Usa.	2009
	• <i>Algebra and geometry of lattice-ordered groups and MV-algebras.</i> Dottorato in Matematica e Statistica per le Scienze Computazionali.	2006
	Post Lauream	
	• <i>Metodologie di programmazione.</i> Corsi SILSIS.	2006–2008

Advising, supervisions, seminars. (Didattica integrativa e Servizio agli studenti.)

B.Sc. and M.Sc. students	Laurea Magistrale in Matematica	
	Adviser for nine M.Sc. theses.	2012–present.
	Adviser for several B.Sc. final reports (<i>elaborato finale</i>).	
	Laurea Triennale e Magistrale in Informatica	
	Adviser or co-adviser for several B.Sc. and M.Sc. theses.	2004–2012
Ph.D. students	Marco Abbadini	
	current	
	Università degli Studi di Milano Dottorato in Matematica, XXXIII ciclo. <ul style="list-style-type: none">• Thesis: <i>On the axiomatisability of the dual of compact ordered spaces.</i>	

Francesco Aloe 2018

Università degli Studi di Milano
Dottorato in Filosofia, XXX ciclo.

- Thesis: *Intermediate logics and polyhedra*.
- Co-supervised by Marcello D'Agostino.

Rossella Marrano 2016

Scuola Normale Superiore, Pisa
Corso di Perfezionamento della Classe di Lettere (Dottorato in Filosofia, XXVII ciclo).

- Thesis: *Truth from comparison*.
- Co-supervised by Massimo Mugnai and Hykel Hosni.

Andrea Pedrini 2013

Università degli Studi di Milano
Dottorato in Informatica, XXV ciclo.

- Thesis: *Vector lattices, polyhedral geometry, and valuations*.

Pietro Codara 2008

Università degli Studi di Milano
Dottorato in Matematica e Statistica per le Scienze Computazionali, XX ciclo.

- Thesis: *A theory of partitions of partially ordered sets*.
- Co-supervised by Prof. Ottavio D'Antona.

Seminars

Logic Seminar

2008–present.

- Co-founder and co-organiser of a permanent Logic Seminar at l'Università degli Studi di Milano and Università degli Studi dell'Insubria.

Dipartimento di Matematica “Federigo Enriques”

Università degli Studi di Milano

Commissione Informatica.	2012–2019
Giunta del Consiglio di Dipartimento.	2014–2017
Membro del Collegio di Dottorato.	2014–present

Coordinamento Didattico di Scienze e Tecnologie Informatiche

Università degli Studi di Milano

Commissione Piani di Studio.	2008–2012
Commissione Tesi di Laurea.	2004–2007

**Academic
Societies**

Istituto Nazionale di Alta Matematica *Francesco Severi*, gruppo GNSAGA.
Associazione Italiana di Logica e sue Applicazioni.
Unione Matematica Italiana.
European Mathematical Society (not current)
American Mathematical Society (not current)

**Other
Editorial
Activities**

Italian Editions of College Textbooks

Curatore della ottava edizione italiana di A. SILBERSCHATZ, P. B. GALVIN, G. GAGNE, *Operating Systems Concepts*, Pearson Addison-Wesley, Milano 2009.

Curatore della settima edizione italiana di A. SILBERSCHATZ, P. B. GALVIN, G. GAGNE, *Operating Systems Concepts*, Pearson Addison-Wesley, Milano 2006.

Curatore della nuova edizione italiana di B. W. KERNIGHAN, D. T. RITCHIE, *The C Programming Language*, Pearson Prentice Hall, Milano 2004.

Italian Translations of College Textbooks

Traduttore della prima edizione italiana di D. E. COMER, *Computer Networks and Internets*, Pearson Prentice Hall, Milano 2000.

Traduttore della quinta edizione italiana di A. SILBERSCHATZ, P. B. GALVIN, *Operating Systems Concepts*, Addison-Wesley, Milano 1998.

Milano, 10 maggio 2020