

Vincenzo Marra

CONTACT INFORMATION	Dipartimento di Informatica e Comunicazione Università degli Studi di Milano via Comelico, 39–41 20135 Milano Italy	Room: P121, first floor Phone: +39 02 50316330 E-mail: marra@dico.unimi.it Web: http://marra.dico.unimi.it
BIOGRAPHICAL DATA	Born on 18 February 1972 in Melito P.S. (RC), Italy. Bachelor. One child (Carolina, 2 years old). Italian citizen.	
EDUCATION	Università degli Studi di Milano , Milano, Italy	
	Ph.D. in Computer Science	January 2003
	<ul style="list-style-type: none">• Thesis: <i>Non-Boolean partitions. A mathematical investigation through lattice-ordered Abelian groups and MV-algebras.</i>• Advisor: Prof. Daniele Mundici.• External Readers: Prof. Roberto L.O. Cignoli (Buenos Aires), Prof. A.M.W. Glass (Cambridge).	
	B.Sc. in Computer Science (<i>Laurea</i>)	March 1998
	<ul style="list-style-type: none">• Thesis: <i>Sull'ultrasimplicità dei gruppi abeliani reticolari.</i>• Full marks <i>cum laude</i>.• Advisor: Prof. Daniele Mundici.	
	United World College of the Atlantic , Wales, U.K.	
	International Baccalaureate	July 1990
	<ul style="list-style-type: none">• Full two-year scholarship.	
RESEARCH INTERESTS	Ordered algebraic structures, especially Abelian groups and vector spaces. Combinatorial and piecewise linear topology, especially in connection with ordered algebraic structures. Valuations on polytopes, polyhedra, and compact convex sets. Topological duality theories (Stone, Yosida, Kakutani, Pontryagin, and Priestley dualities). Algebraic theories and monadic categories. Non-classical logics, especially many-valued and intuitionistic logic. Reasoning with vague or uncertain information.	
POSITIONS	Dipartimento di Informatica e Comunicazione Università degli Studi di Milano, Italy	
	<i>Assistant Professor (Ricercatore)</i>	January 2004 to present
	Institut für Mathematik Freie Universität Berlin, Germany	
	<i>Post-Doctoral Fellow</i>	2002–2003
	<ul style="list-style-type: none">• Marie-Curie Research Training Network COMBSTRU (<i>Combinatorial Structure of Intractable Problems</i>).• Research group <i>Diskrete Mathematik</i> led by Prof. Martin Aigner.	

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

Researcher

2001–2002

- Research contract (*Assegno di ricerca*): *Formal methods for the treatment of uncertain information*.
- Research group *Soft Computing and Fuzzy Logic* led by Prof. Daniele Mundici.

VISITING
POSITIONS

CONICET, Argentina

Instituto Argentino de Matemática, Buenos Aires

- Visiting mathematician. July – September 2012
- Funded by the VII International Research Staff Exchange Scheme of the European Research Council.

Cambridge University, UK

Department of Pure Mathematics and Mathematical Statistics

- Junior visiting mathematician. September – January 2001
- Funded by Queens' College, Cambridge, and by the Computer Science Ph.D. Programme of the Università degli Studi di Milano.

SELECTED
RESEARCH
VISITS

New Mexico State University at Las Cruces, U.S.A.

Department of Mathematical Sciences

- Visiting Guram Bezhanishvili. November 2010

Scuola Normale Superiore, Italy

Centro di Ricerca Matematica E. De Giorgi

- Visiting Hykel Hosni and Massimo Mugnai. March 15–21, 2010

Radboud University, The Netherlands

Institute for Mathematics, Astrophysics, and Particle Physics

- Visiting Mai Gehrke. March 2008

Cambridge University, UK

Department of Pure Mathematics and Mathematical Statistics

- Visiting A.M.W. Glass. February 2006

Università degli Studi di Firenze, Italy

Department of Mathematics Ulisse Dini

- Visiting Daniele Mundici. Several times

FUNDED
PROJECTS

PRIN 2008–2010

Head of Research Unit in Milan

2010 – 2011

- National Research Project: *Logic and algebra of uncertain information*.
- Amount funded to the Research Unit: 24.000 euros for two years.
- Research Unit Team:

- V. Marra, head – assistant professor.
- S. Aguzzoli, deputy head – assistant professor.
- O. D’Antona, member – full professor.
- B. Gerla, member – assistant professor.
- One postdoctoral researcher and three Ph.D. students.

Automating Financial Trading through Fuzzy Logic

Project Head

2008 – 2009

- Research contract (*contratto di ricerca commissionata*) between Università degli Studi di Milano and Princes Gate Investment Advisory Group SA, Geneva, Switzerland.
- Amount funded: 35.000 euros for one year.
- Project Aim. To develop a prototype based on recent theoretical advances in mathematical many-valued logic that affords automated profitable trading on a given global stock-market portfolio.
- Project Team:
 - V. Marra, team leader.
 - S. Bova, Ph.D.
 - P. Codara, Ph.D.
 - D. Maccari, B.Sc.
 - A. Moravchick, B.Sc.

PUBLICATIONS

As author

Journal Papers

- [1] R. Cignoli and V. Marra, “Stone duality for real-valued multisets,” *Forum Mathematicum*, 2011, to appear.
- [2] S. Aguzzoli, O. M. D’Antona, and V. Marra, “Computing minimal axiomatizations in Gödel propositional logic,” *Journal of Logic and Computation*, 2011, to appear.
- [3] 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.
- [4] 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.
- [5] 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.
- [6] S. Aguzzoli, M. Bianchi, and V. Marra, “A temporal semantics for Basic Logic,” *Studia Logica*, vol. 92, no. 2, pp. 147–162, 2009.
- [7] V. Marra, “A characterization of MV-algebras free over finite distributive lattices,” *Archive for Mathematical Logic*, vol. 47, no. 3, pp. 263–276, 2008.
- [8] —, “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.
- [9] 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.
- [10] —, “De Finetti’s no-Dutch-book criterion for Gödel logic,” *Studia Logica*, vol. 90, no. 1, pp. 25–41, 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] 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.
- [14] 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.
- [15] 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.
- [16] V. Marra and D. Mundici, “Riemann average truth-value of Łukasiewicz formulas,” *Mathematica Slovaca*, vol. 56, no. 5, pp. 511–524, 2006.
- [17] 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. Second Series*, vol. 68, no. 3, pp. 545–562, 2003.
- [18] V. Marra and D. Mundici, “Combinatorial fans, lattice-ordered groups, and their neighbours: a short excursion,” *Séminaire Lotharingien de Combinatoire*, vol. 47, pp. Article B47f, 19 pp. (electronic), 2001.
- [19] V. Marra, “Every Abelian ℓ -group is ultrasimplicial,” *Journal of Algebra*, vol. 225, no. 2, pp. 872–884, 2000.

Papers in Collections and Book Chapters

- [20] 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.
- [21] 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.
- [22] 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.
- [23] 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.
- [24] ———, “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.

- [25] 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.
- [26] S. Aguzzoli, O. M. D’Antona, and V. Marra, “Brun normal forms for co-atomic Lukasiewicz 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.
- [27] V. Marra and D. Mundici, “Lukasiewicz logic and Chang’s MV algebras in action,” in *Trends in logic – 50 Years of Studia Logica*, ser. Trends Log. Stud. Log. Libr., V. F. Hendricks and J. Malinowski, Eds. Dordrecht: Kluwer Acad. Publ., 2003, vol. 21, pp. 145–192.
- [28] ———, “MV-algebras and Abelian ℓ -groups: a fruitful interaction,” in *Ordered algebraic structures*, ser. Dev. Math., J. Martinez, Ed. Dordrecht: Kluwer Acad. Publ., 2002, vol. 7, pp. 57–88.

Conference Proceedings

- [29] S. Bova, P. Codara, D. Maccari, and V. Marra, “A Logical Analysis of Mamdani-type Fuzzy Inference, I. Theoretical Bases,” *Proceedings of the IEEE International Fuzzy Systems Conference (FUZZ-IEEE 2010)*, 2010, to appear.
- [30] ———, “A Logical Analysis of Mamdani-type Fuzzy Inference, II. An Experiment on the Technical Analysis of Financial Markets,” *Proceedings of the IEEE International Fuzzy Systems Conference (FUZZ-IEEE 2010)*, 2010, to appear.
- [31] S. Aguzzoli, B. Gerla, and V. Marra, “The automorphism group of finite Gödel algebras,” *Proceedings of the 40th IEEE International Symposium on Multiple-Valued Logic (ISMVL 2010)*, 2010, to appear.
- [32] P. Codara, O. M. D’Antona, and V. Marra, “The Euler Characteristic of a formula in Gödel logic,” *Proceedings of the 40th IEEE International Symposium on Multiple-Valued Logic (ISMVL 2010)*, 2010, to appear.
- [33] ———, “A characterisation of bases of triangular fuzzy sets,” *Proceedings of the IEEE International Fuzzy Systems Conference (FUZZ-IEEE 2009)*, pp. 604–609, 2009.
- [34] S. Aguzzoli, B. Gerla, and V. Marra, “Defuzzifying formulas in Gödel logic through finitely additive measures,” *Proceedings of the IEEE International Fuzzy Systems Conference (FUZZ-IEEE 2008)*, pp. 1886–1893, 2008.
- [35] ———, “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 (IPMU 2008)*, pp. 992–999, 2008.
- [36] P. Codara, O. M. D’Antona, and V. Marra, “Propositional Gödel logic and Delannoy paths,” *Proceedings of the IEEE International Fuzzy Systems Conference (FUZZ-IEEE 2007)*, pp. 1–5, 2007.
- [37] 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 (ISMVL 2002)*, pp. 104–114, 2002.

As editor

Volumes

- [38] 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.
- [39] 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 Issues

- [40] I. Leuştean and V. Marra, Eds., “Algebra and probability in many-valued reasoning,” *Studia Logica*, 2010, Springer Verlag, to appear.
- [41] 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*, 2010, Oxford University Press, to appear.

Miscellanea

Scholarpedia

- [42] Invited curatorship for the Scholarpedia entry on MV-algebras, 2010, to appear.

EDITORIAL BOARDS

Mathematica Slovaca, Springer Berlin-Heidelberg

Member of the editorial board

May 2011 to present

Soft Computing, Springer Berlin-Heidelberg

Member of the editorial board

January 2006 to present

PROGRAMME COMMITTEES

ManyVal

Università degli Studi di Milano, Italy

A series of biennial international conferences

2006 to present

- Co-founder of the series.
- Co-chair of the programme committee.

Algebraic Semantics for Uncertainty and Vagueness

Università degli Studi di Salerno, Italy

International conference

May 18–20, 2011

- Kick-off meeting for a project under the VII International Research Staff Exchange Scheme of the European Research Council.
- Member of the programme committee.

ECSQARU 2009

Università degli Studi di Verona, Italy

International conference

July 1–3, 2009

- The 10th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty.
- Member of the programme committee.

Algebra and Probability in Many-Valued Logics

Technische Universität, Darmstadt, Germany

International conference

May 14–16, 2009

- Member of the programme committee.
- Sponsored by the Alexander von Humboldt Foundation, Germany.

From Combinatorics to Philosophy. The legacy of G.-C. Rota.

Università degli Studi di Milano, Italy

International conference

February 16–17, 2009

- Member of the programme committee.
- Sponsored by Ariadsl s.p.a.

SELECTED
INVITED
ADDRESSES

TACL 2011: Topology, Algebra, and Categories in Logic

Université de Provence, Marseille, France

Saint-Charles Campus

26 July 2011

- *In memoriam* Leo Esakia (1934–2010).
- Address: *Through the looking-glass: unification, projectivity, and duality.*

2nd International Conference on Order, Algebra, and Logics

Jagellonian University, Krakow, Poland

Faculty of Mathematics and Computer Science

8 June 2011

- Honoring Ralph McKenzie, Hiroakira Ono, and Andrzej Wroński on the occasion of their 70th birthdays.
- Address: *Unification modulo equational theories: the role of homotopy theory.*

Topological Methods in Logic II

Georgian American University, Tbilisi, Georgia

Georgian American University

3 June 2010

- Address: *Stone duality above dimension zero: a survey of old and new results.*

Probability, Uncertainty, and Rationality

Scuola Normale Superiore, Pisa, Italy

Certosa di Pontignano

2 November 2009

- Address: *Is there a probability theory of non-classical events?*

Non-Classical Logics: from Foundations to Applications

Scuola Normale Superiore, Pisa, Italy

Centro di Ricerca Matematica E. De Giorgi

24 April 2008

- Address: *De Finetti's coherence criterion and finitely additive measures on algebras of many-valued logics.*

Residuated Structures: Algebra and Logic

CONICET, Buenos Aires, Argentina

Instituto Argentino de Matemática

17 April 2008

- Address: *Tarski-Lindenbaum algebras that are free over finite distributive lattices.*

RECENT
RESEARCH
VISITORS

Dr. Tomáš Kroupa

Academy of Sciences of the Czech Republic, Prague, Czech Republic
Institute of Information Theory and Automation

October 2010

- Prof. Peter Jipsen** July 2010
Chapman University, USA
Faculty of Mathematics
- Course taught for the Computer Science Ph.D. Programme.
 - Title: *Decision procedures in algebra and logic.*
- Prof. Nikolas Galatos** June 2010
University of Denver, USA
Department of Mathematics
- Course taught for the Computer Science Ph.D. Programme.
 - Title: *Algebraic proof theory.*
- Dr. Olivia Caramello** December 2009
Cambridge University, Cambridge, UK
Jesus College
- Prof. Costantine Tsinakis** September 2009
Vanderbilt University, Nashville, USA
Department of Mathematics
- Course taught for the Computer Science Ph.D. Programme.
 - Title: *Residuated structures: algebraic and logical perspectives.*
- Prof. Didier Dubois** Spring 2009
Université Paul Sabatier, Toulouse, France
Raisonnements Plausibles, Décision, Méthodes de Preuves Group
- Course taught for the Computer Science Ph.D. Programme.
 - Title: *A unified view of uncertainty theories: treating incompleteness and variability in knowledge representation and reasoning.*
- Prof. Manfred Droste** September 2008
Universität Leipzig, Leipzig, Germany
Institut für Informatik
- Prof. Roberto L.O. Cignoli** September 2008
CONICET, Buenos Aires, Argentina
Instituto Argentino de Matemática
- Dr. Hykel Hosni** June 2008
Scuola Normale Superiore, Pisa, Italy
Non-classical Logics Group
- Dr. Nick Bezhanishvili** May 2008
University of Leicester, UK
Computer Science Department
- Prof. Lluís Godo** March 2008
CSIC, Barcelona, Spain
Institut d'Investigació en Intel·ligència Artificial
- Course taught for the Computer Science Ph.D. Programme.
 - Title: *Uncertainty Theories in Knowledge Representation and Reasoning.*

Prof. Matthias Baaz
Technische Universität Vienna, Austria
Computational Logic Group

March 2007

- Course taught for the Computer Science Ph.D. Programme.
- Title: *Proof Theory with Applications to Many-Valued Logics*.

Prof. A.M.W. Glass
Cambridge University, Cambridge, UK
Queens' College

January 2007

Dr. Manuela Busaniche
Universidad Nacional del Litoral, Santa Fe, Argentina
Instituto de Matemática Aplicada del Litoral

May 2006

ACADEMIC
MEMBERSHIPS

INDAM, the National Institute for Higher Mathematics *Francesco Severi*, Algebraic and Geometric Structures group (GNSAGA).
AILA, the Italian Association for Logic and its Applications.
MATHFUZZLOG, the EUSFLAT working group on Mathematical Fuzzy Logic.
The American Mathematical Society.
Reviewer of the American Mathematical Society (for the *Mathematical Reviews*).

FUNDING

The research activities above have been financially supported by, among others:

- Princes Gate Investment Advisory SA, Geneva, Switzerland.
- Ariadsl s.p.a.
- Rettorato dell'Università degli Studi di Milano.
- The Kurt Gödel Society (Vienna).
- The COMBSTRU Research Training Network.
- INDAM, the National Institute for Higher Mathematics *Francesco Severi*.
- Dipartimento di Informatica e Comunicazione (Milan).
- Dipartimento di Scienze dell'Informazione (Milan).
- Dipartimento di Informatica e Comunicazione (Varese).
- Dipartimento di Matematica *Ulisse Dini* (Firenze).
- Dipartimento di Matematica e Informatica (Salerno).
- Department of Pure Mathematics and Mathematical Statistics (Cambridge).
- Queens' College (Cambridge).
- Institute for Mathematics, Astrophysics, and Particle Physics (Nijmegen).
- The consortium for Order and Algebra in Logic (USA).
- Department of Mathematics (Vanderbilt University at Nashville).
- Department of Mathematics (University of Florida at Gainesville).
- PRIN project 2004–2006: *Logica a più valori e informazione in condizioni di incertezza*, coordinated by Prof. Franco Montagna.
- PRIN project 2002–2004: *Fondamenti algebrici e applicazioni della logica a più valori*, coordinated by Prof. Franco Montagna.
- Bilateral Italian-Austrian project 2000: *Analytic proof methods for fuzzy logics*, responsabile italiano Prof. Daniele Mundici.
- European Union COST Action #15, 1995-1999: *Many-valued logics for Computer Science applications*.

TEACHING
EXPERIENCE

Università degli Studi di Milano

Undergraduate

- Laboratorio di Programmazione. 2004 to present
- Logica Fuzzy (co-taught by Stefano Aguzzoli). 2005 to present
- Lectures and lab on assembly programming. 2004 to present
(Within the Corso di Architettura degli Elaboratori)

- Advisor or co-advisor of several graduation theses.
(Both *Laurea triennale* and *Laurea magistrale*).

Postgraduate

- Ph.D. Course 2006
Algebra and geometry of lattice-ordered groups and MV-algebras.
Ph.D. Programme in Mathematics and Statistics for the Computational Sciences.
- SILSIS Course 2006 to present
Metodologie di programmazione.
Courses taught within the *Scuola Interuniversitaria Lombarda di Specializzazione per l'Insegnamento Secondario*.

PH.D. STUDENTS **Andrea Pedrini**

Ph.D. in Theoretical Computer Science

- Topic: Hadwiger's Functional Theorem on intrinsic volumes, and lattice-ordered vector spaces.
- Thesis: To be decided.
- To be defended in February 2013.

Pietro Codara

Ph.D. in Mathematics and Statistics for the Computational Sciences

- Thesis: *A theory of partitions of partially ordered sets.*
- Defended in October 2008.
- Committee: Prof. A. Di Nola, Prof. S. Ghilardi, Dr. E. Munarini.
- Co-supervised by Prof. Ottavio D'Antona.
- External Readers: Prof. Roberto L.O. Cignoli (Buenos Aires), Prof. Joseph Kung (North Texas).

OTHER EDITORIAL ACTIVITIES

Curatorships

Curator of the 8th Italian edition of A. SILBERSCHATZ, P. B. GALVIN, G. GAGNE, *Operating Systems Concepts*, Pearson Addison-Wesley, Milano 2009.

Curator of the 7th Italian edition of A. SILBERSCHATZ, P. B. GALVIN, G. GAGNE, *Operating Systems Concepts*, Pearson Addison-Wesley, Milano 2006.

Curator of a new Italian edition of B. W. KERNIGHAN, D. T. RITCHIE, *The C Programming Language*, Pearson Prentice Hall, Milano 2004.

Translations

Translator of the 1st Italian edition of D. E. COMER, *Computer Networks and Internets*, Pearson Prentice Hall, Milano 2000.

Translator of the 5th Italian edition of A. SILBERSCHATZ, P. B. GALVIN, *Operating Systems Concepts*, Addison-Wesley, Milano 1998.

SERVICE

Coordinamento Didattico di Scienze e Tecnologie Informatiche Università degli Studi di Milano

- Commissione Piani di Studio. 2008 to present
- Commissione Tesi di Laurea. 2004 to 2007

Last updated June 2011.