



## Mario Piazza

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Classe di Lettere e Filosofia  
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Corresponding Fellow of the Accademia Nazionale dei Lincei

### CURRENT POSITIONS AT SNS

- 2018- *Full Professor* of Logic and Philosophy of Mathematics.
- 2018- Coordinator of the Ph.D Program in Philosophy.

### PRIOR POSITIONS AT SNS

- 2019-22 Vice Director.
- 2018-2019 Pro-Rector for Education and Internationalization; Pro-Rector for Education, Third Mission Activities and Accreditation Process; Vice Dean of the Faculty of Humanities.

### APPOINTMENTS HELD

- 2010-2018 *Full Professor* of Logic and Philosophy of Science at the Department of Philosophical, Pedagogical and Economic-Quantitative Sciences, University of Chieti-Pescara.
- 2005-2010 *Associate Professor* of Logic and Philosophy of Science at the Department of Philosophy, University of Chieti-Pescara.
- 2007-2009 *Research Associate* at Istituto per le Applicazioni del Calcolo “Mauro Picone” (IAC-CNR) Rome (honorary appointment).
- 2000-2005 *Assistant Professor* of Logic and Philosophy of Science at the Department of Philosophy, University of Chieti-Pescara.

### RESEARCH AREAS

#### AREAS OF SPECIALIZATION

Logic and its relations with philosophy • Classical and non-classical logics: structural proof-theory and its applications • Incompleteness phenomena • Computation theory •

Philosophy of Mathematics.

#### AREAS OF COMPETENCE

History of Logic • Epistemology • General Philosophy of Science • Philosophy of reasoning • Philosophy of Language • Ancient Philosophy (esp. Plato).

#### AREAS OF INTEREST

Philosophy of Biology • Decision Theory • Metaphysics • Early Modern Philosophy • History of Analytic Philosophy.

#### ACADEMIC EDUCATION

- 1995 PhD in Philosophy of Science, University of Genoa.
- 1991 MA in Epistemology and Metaphysics (*Licentia*), Pontifical Gregorian University.
- 1990 MA in Philosophy (*Laurea*), University of Rome “La Sapienza”.

#### GRANTS & FELLOWSHIPS

- 1999-2000 École Normale Supérieure of Paris. Département d’Informatique. Fellowships from the “Atelier de Recherche”: Géométrie et Cognition.
- 2000 Research fellow at the Fondazione Giorgio Cini, Venice.
- 1997-98 Utrecht University. Utrecht Institute of Linguistics OTS. Research grant from the Dutch Minister of Foreign Affairs.
- 1996 Columbia University, New York. Department of Philosophy. Post-doctoral research grant.
- 1995-96 University of Warsaw. Department of Mathematics, Mechanics and Computer Science. Research grant from the Polish Ministry of Foreign Affairs.
- 1995 Grant from the Istituto Italiano per gli Studi Filosofici of Naples.
- 1991-95 Doctoral Fellowship from University of Genoa.
- 1992 Grant from Fondazione Ugo Bordoni.
- 1989 Grant from Philipp University of Marburg.
- 1986-90 Total exemption from university fees for outstanding results in education, University of Rome “La Sapienza”.

#### VISITING PROFESSORSHIPS

- 2015 Lingnan University, Hong Kong. Department of Philosophy. September-October
- 2014-15 University of Macau. Department of Philosophy and Religious Studies. November-March.
- 2013 Université Paris Diderot - Paris 7. Département Histoire et Philosophie des sciences. November.
- 2011 University of Macau. Department of History (Section of Philosophy). March-April.

- 2007 École Normale Supérieure of Paris, Département d'Informatique. January-March.  
 2004 Utrecht University. Utrecht Institute of Linguistics OTS. September.  
 2003 Utrecht University. Utrecht Institute of Linguistics OTS. May-June.  
 2001 Utrecht University. Utrecht Institute of Linguistics OTS. September-October.  
 2001 École Normale Supérieure of Paris, Département d'Informatique. June.

## PUBLICATIONS

### BOOKS

- 2023 *Perché la comprensione. Filosofia e razionalità umana*, under contract with Feltrinelli.  
 2008 *Senza parole. Ragionare con le immagini* (with V. Giardino), Bompiani, Milano.  
 2000 *Intorno ai numeri. Oggetti, proprietà, finzioni utili*, Bruno Mondadori, Milano.  
 1995 *Admissibility of structural rules in the multiplicative fragment of linear logic*. PhD Thesis, University of Genoa.

### EDITED BOOKS

- 2018 *Truth, existence and explanation. FilMat Studies in the Philosophy of Mathematics*, Boston Studies in the Philosophy and History of Science, Springer, 2018.

### LOGIC ARTICLES

- 2024 “Analytic calculi and extra-logical information” (with M. Tesi), *Journal of Logic and Computation*, Oxford University Press, to appear.  
 2023a “Abduction as deductive saturation: a proof-theoretic inquiry” (with G. Pulcini, A. Sabatini), *Journal of Philosophical Logic*, 52 (6), Springer, pp. 1575-1602.  
 2023b “Linear logic in a refutational setting” (with G. Pulcini, M. Tesi), *Journal of Logic and Computation*, Oxford University Press, doi.org/10.1093/logcom/exad048.  
 2023c “Non-contractive logics, paradoxes, and multiplicative quantifiers” (with C. Nicolai, M. Tesi), *The Review of Symbolic Logic*, Cambridge University Press, pp. 1-22.  
 2023d “Fractional-valued modal logic and soft bilateralism” (with G. Pulcini, M. Tesi), *Bulletin of the Section of Logic*, (52/3) pp. 275-299.  
 2023e “A proof-theory for a logic of exception and typicality” (with M. Tesi), under review.  
 2022b “Chrysippus’ logic in a natural deduction setting” (with M. D’Agostino), in F. Ademollo, F. Amerini, V. De Risi (Eds.), *Essays in Logic, Its History and Its Philosophical Applications in Honour of Massimo Mugnai*, Springer, pp. 83-99.  
 2021a “On the number of provable formulas” (with M. Pedicini, Q. W.Q. Puite), in L. Bellotti, G. Turbanti (eds), *Fourth Pisa Colloquium in Logic, Language and Epistemology. Essays in Honour of E. Moriconi*, Edizioni ETS, pp. 145-166.  
 2021b “Fractional-valued modal logic” (with G. Pulcini, M. Tesi), *The Review of Symbolic Logic*, Cambridge University Press, pp. 1-20.

- 2021c “Molecular biology meets Logic. Context-sensitiveness in focus” (with G. Boniolo, M. D’Agostino, G. Pulcini), *Foundations of Science*, Springer, <https://doi.org/10.1007/s10699-021-09789-y>.
- 2020 “Fractional Semantics for Classical Logic” (with G. Pulcini), *The Review of Symbolic Logic*, 13 (4), Cambridge University Press, pp. 810-828.
- 2019a “A New Approach to Proof-Theoretic Semantics for Classical Logic” in T. Piecha, P. Schroeder-Heister (eds.), *Proof-theoretic Semantics. Assessment and Future Perspectives. Proceedings of the Third Tübingen Conference on Proof-Theoretic Semantics, 27-30 March 2019*. University of Tübingen, 2019, pp. 253-266.
- 2019b “Abstract Machines, Optimal Reduction, and Streams” (with A. Lai, M. Pedicini), *Mathematical Structures in Computer Science*, 29(9), Cambridge University Press, pp. 1379-1410.
- 2018 “Kalmar elementary complexity and von Neumann Algebras” (with M. Pedicini), *PanAmerican Mathematical Journal* Volume 28, Number 4, 1-28.
- 2017 “Unifying logics via context-sensitiveness” (with G. Pulcini), *Journal of Logic and Computation*, Oxford University Press, 27 (1), 2017, pp. 21-40. Published online August 10, 2015.
- 2016a “Uniqueness of axiomatic extensions of cut-free classical propositional logic” (with G. Pulcini), *The Logic Journal of IGPL*, 24(5), Oxford University Press, pp. 708-718.
- 2016b “On the maximality of classical logic” (with G. Pulcini), in T. Piecha, P. Schroeder-Heister (eds.), *General Proof Theory. Celebrating 50 Years of Dag Prawitz’s “Natural Deduction”*. *Proceedings of the Conference held in Tübingen, 27-29 November 2015*. University of Tübingen, 2016, pp. 231-247.
- 2015a “How to go nonmonotonic through context-sensitiveness” (con M. D’Agostino, G. Pulcini), *L&PS - Logic and Philosophy of Science. An electronic journal*. Vol. XIII, No. 1, 2015, pp. 3-27.
- 2015b “Adding logic to the toolbox of molecular biology” (with G. Boniolo, M. D’Agostino, G. Pulcini), *European Journal for Philosophy of Science*, Volume 5, Issue 3, Springer, pp. 399-417.
- 2014a “Sequential and Parallel Abstract Machines for Optimal Reduction” (con M. Pedicini, G. Pellitta), *Electronic proceedings of the 15th Symposium on Trends in Functional Programming (TFP2014)*, Utrecht.
- 2014b “A logical calculus for controlled monotonicity” (with M. D’Agostino, G. Pulcini), *Journal of Applied Logic*, 12, Elsevier, pp. 558-569.
- 2013 “A logic of non-monotonic interactions” (with G. Boniolo, M. D’Agostino, G. Pulcini), *Journal of Applied Logic*, 11, Elsevier, pp. 52-62.
- 2010 “An application of von Neumann Algebras to computational complexity” (with M. Pedicini), in M. D’Agostino and C. Sinigaglia (eds.), *New Essays In Logic and Philosophy of Science*, College Publications, London, pp. 183-194.
- 2009 “Elementary Computation and Von Neumann Algebras” (with M. Pedicini), IAC-Research Report Series, pp. 1-22 (<https://arxiv.org/abs/0912.5342>).
- 2007 “Elementary Complexity into the Hyperfinite  $II_1$  factor  $\mathcal{R}$ ” (with M. Pedicini) in S. B. Cooper, T. F. Kent, B. Löwe, and A. Sorbi (eds.), *Computation and Logic in the Real World. CiE 2007*, Quaderni del Dipartimento di Scienze Matematiche e Informatiche “Roberto Magari”, pp. 297-305.
- 2004 “Geometric non commutative phase spaces”, *L&PS - Logic and Philosophy of Science. An*

*electronic journal* 2, pp.1-13.

- 2002 “A uniform phase semantics over related logics”, Utrecht Technical Report.
- 2001a “Linguistic Applications of First Order Intuitionistic Linear Logic” (with R. Moot), *Journal of Logic, Language and Information* 10, Kluwer, pp. 211-232.
- 2001b “Exchange Rules”, *Journal of Symbolic Logic* 66 (2001), Association for Symbolic Logic, pp. 509-516.
- 1998a “Saturated Formulas in Full Linear Logic” (with M. Castellan), *Journal of Logic and Computation* 8, Oxford University Press, pp. 665-668.
- 1998b “The characterization of the class of minimal Girard quantales”, in V. M. Abrusci *et al.*, *Prospettive della logica e della filosofia della Scienza, Atti del Convegno Triennale della SILFS*, Edizioni ETS, Pisa, pp. 227-232.
- 1996a “Quantales and Structural Rules” (with M. Castellan), *Journal of Logic and Computation* 6, Oxford University Press, pp. 709-724.
- 1996b “Propositional constants in classical and linear logic” in C. Martínez Vidal *et al.* (eds.) *Proceedings of the International Conference Truth: Logic, Representation and World*, Universidade de Santiago de Compostela Publicati6ns, pp. 211-217.
- 1995 “Algebraic structures and observations: Quantales for a noncommutative logic-theoretic approach to Quantum Mechanics” in C. Garola, A. Rossi (eds.), *The Foundation of Quantum Mechanics*, Kluwer, Dordrecht, pp. 381-394.
- 1994a “Quantale semantics for noncommutative classical linear logic with exchange connectives and exponentials” in M. Moortgat (ed.), *Linear Logic and Lambek Calculus*. Dyana Publications, Amsterdam, pp. 59-75.
- 1994b “A comparison between two different Tarski-style semantics for linear logic”, *Epistemologia* 17, pp. 101-116.

#### PHILOSOPHY OF MATHEMATICS AND LOGIC ARTICLES

- 2023 “A Reflection Principle for Kripke-Feferman Truth” (with M. Fischer and C. Nicolai), submitted.
- 2019 “On implicit commitment of arithmetical theories and its semantic core” (with C. Nicolai), *Erkenntnis*, 84, Springer, pp. 913-937.
- 2016a “Regole logiche e razionalit  umana”, in M. Dell’Utri and A. Rainone (eds.) *Modelli filosofici della razionalit *, Mimesis Edizioni, pp. 11-28.
- 2016b “What is so special about the G6del sentence  $\mathcal{G}$ ?” (with G. Pulcini), in F. Boccuni F. and A. Sereni (eds.) *Objectivity, Realism, and Proof. FilMat Studies in the Philosophy of Mathematics*, Boston Studies in the Philosophy and History of Science, Springer, pp. 245-263.
- 2015 “A Deflationary Account of the Truth of the G6del Sentence  $\mathcal{G}$ ” (with G. Pulcini), in G. Lolli *et al.* (eds.) *From Logic to Practice*. Boston Studies in the Philosophy and History of Science, Springer, Heidelberg, pp. 71-90.
- 2014 “Strange Case of Dr. Soundness and Mr. Consistency” (with G. Pulcini), in V. Pun och a , M. Dan  k (eds.), *The Logica Yearbook 2013*, College Publications, London, pp. 161-172.
- 2012 “Pathways of mathematical cognition” in P. Graziani *et al.* (eds.), *Open Problems in Philos-*

*ophy of Science*, College Publications, London, pp. 49-56

- 2011 “Disentangling Truth from Undecidability: the Gödelian view”, unpublished manuscript, (<http://logica.uniroma3.it/files/Disentangling.pdf>), pp. 1-13.
- 2006 “Contro l’equilibrio riflessivo”, *Rivista di filosofia* 97, pp. 209-232.
- 1995 “‘One must always topologize’: il teorema di Stone, la ‘topologia influente’ e l’epistemologia matematica”, *Rivista di Storia della Scienza*, s. II, 3, pp. 1-24.
- 1992 “L’errore e la sorpresa: due concetti in matematica”, *Archimede* 44, pp. 90-96.

#### EPISTEMOLOGY ARTICLES

- 2019 “What does Arrow’s information paradox say (to philosophers)” (with M. Pedicini) in M. V. d’Alfonso and D. Berkich, *On the Cognitive, Ethical, and Scientific Dimensions of Artificial Intelligence*, Philosophical Studies Series 134, Springer, pp. 83-94.
- 2015 “Possibilities regained. Neo-Lewisian contextualism and ordinary life” (with N. Dolcini), *Synthese*, Springer, DOI 10.1007/s11229-015-0963-2, pp. 1-20.
- 2008 “Descartes e la conoscenza perfetta”, in Aa.Vv. *Quid animo satis?. Studi di filosofia e scienze umane in onore di L. Gentile.*, Roma, pp. 145-190.
- 2007 “Goodbye Gettier”, unpublished manuscript, pp. 1-17.

#### ANCIENT PHILOSOPHY ARTICLES

- 2020 “Platone e la comprensione matematica”, in G. Lolli (ed.), *L’arte di pensare. Matematica e filosofia*, Utet, pp. 40-61.
- 2012a “Plato and the dice. A reassessment of *Theaetetus* 154a-155d”, *The Cambridge Classical Journal*, 58, Cambridge University Press, pp. 231-256.
- 2012b “Platone e la confutazione” in R. Chiaradonna (ed.), *Il Platonismo e le scienze*, Carocci, Rome, pp. 25-43.
- 2011 “Una nota sulla confutazione socratica” in Aa.Vv. *Logica, ontologia ed etica*. Franco Angeli, Milano 2011, pp. 483-95.

#### ENCYCLOPAEDIA ARTICLES AND ENTRIES

- 2015 “La logica dell’Ottocento” in U. Eco e R. Fedriga, *La filosofia e le sue storie: L’età contemporanea*, Laterza, Roma-Bari, pp. 180-185.
- 2015b “La filosofia dei matematici” in U. Eco e R. Fedriga (a cura di) *La filosofia e le sue storie: L’età contemporanea*, Laterza, Roma-Bari, pp. 521-525.
- 2013 “La logica e i fondamenti della matematica tra Ottocento e Novecento” in *Il contributo italiano alla storia del pensiero. Scienze. Ottava appendice*, Istituto dell’Enciclopedia italiana, Roma, pp. 476-488.
- 2008 “Analogia”; “Assioma”, “Assiomatizzazione”. Treccani Filosofia, Istituto dell’Enciclopedia italiana, Roma, 2008 (pp. 35-36; 78-80; 80-1).

#### SELECTED CONFERENCE PRESENTATIONS & TALKS

2021

- Accademia Nazionale dei Lincei. Centro Linceo Interdisciplinare “Beniamino Segre”. “Sui limiti del calcolabile: informazione, conoscenza, natura umana”. 13 April 2021.
- 2019a “Partial truths in classical logic”. 1st SNS Pisa-MCMP-Meeting. Munich Center for Mathematical Philosophy (MCMP), Munich, 27 May.
- 2019b “A New Approach to Proof-Theoretic Semantics for Classical Logic”. Conference “Proof-Theoretic Semantics. Assessment and Future Perspectives”. Third Tübingen Conference on Proof-Theoretic Semantics, 28 March.
- 2016a “Logical commitments in belief revision”. Invited speaker. Symposium “Theoretical Frameworks of Psychology”. ICP 2016-The 31th Congress of Psychology, Yokohama, Japan, 28 July.
- 2016b “What does Arrow’s information paradox say (to philosophers)”. IACAP 2016- International Association for Computing and Philosophy. Keynote speaker. University of Ferrara, June 14.
- 2016b “Le conseguenze di Gödel”, University of Rome “La Sapienza”, Dipartimento di Filosofia, Science & Philosophy Colloquia, May 11.
- 2015a “Logic, belief revision, and Koznyshev’s thesis”. Conference: “Rationality and its Rivals”, Philosophy and Religious Studies Programme, University of Macau, China, December 10.
- 2015b “On the maximality of classical logic”, Conference: “General Proof Theory”, University of Tübingen, November 29.
- 2015c “Crossing the bridge between classical and non-classical logics”, Department of Philosophy, Lingnan University, Hong Kong, October 19.
- 2015d “Logical pluralism and empirical knowledge”. Conference: “Formalized and empirical approaches between Physics, Biomedicine, and Cognitive Science”, University of Sassari, Alghero, July 10.
- 2015e “How logic does unify logics”, *MBR’015*, Symposium: “Models of logic: mathematics, economics, linguistics, and cognitive sciences”. Sestri Levante, June 26
- 2014 “Incompleteness and the flow of truth”. Conference: “Philosophy of Mathematics: Objectivity, Cognition, and Proof”, San Raffaele University, May 30.
- 2014 “The evolutionary origin of logic: some hypotheses”, Department of Psychology, University of Hong Kong, January 13.
- 2013a “The evolution and function of reasoning”. Workshop: “Natural Cognition: Logic, Evolution, Organisms”, Department of Philosophy and Religious Studies, University of Macau, China, December 15.
- 2013b “A logical calculus for controlling monotonicity”, Université Paris Diderot - Paris 7, November 28 2013.
- 2013c “Strange Case of Dr. Soundness and Mr. Consistency”, LOGICA 2013, Hejnice Monastery (Czech Republic), June 20.
- 2011a “Deflationism, Incompleteness, and  $\omega$ -rule”, Université Paris 1 Panthéon-Sorbonne, Projet “Vérité et Preuves”, October 22.
- 2011b “A new approach to non-monotonicity”, Université Bordeaux 1, Laboratoire Bordelais de Recherche en Informatique, October 21.
- 2011c “Identifying proofs: logic, geometry, cognition”. Workshop: “Truth, Proof and Consequence. Perspectives on Logic”, University of Pisa, February 28.
- 2007a “Logical Proofs through von Neumann Algebras”. Boston University (Center for Philosophy and History of Science). Trends in Italian Philosophy of Science, September 12.
- 2007b “Elementary Complexity into the Hyperfinite  $II_1$  factor  $\mathcal{R}$ ”, Computation and Logic in the Real World, CiE 2007. Siena, June 20.
- 2003 “Towards a Geometry of Language”, Utrecht University. Conference: “Logic, Mathematics and Linguistics”, June 13.



- 2000 “Why Mathematics is (reasonably) effective”. University of Bonn, *Euroconference* on “Applications of Mathematical Logic in Philosophy and Linguistics”, November 12.
- 1998 “Linguistics and Proof-Theory”, Rennes, INRIA, Workshop: “New Perspectives in Logic and Formal Linguistics”, July 18.
- 1996 “Quantales and Structural Rules”, University of Warsaw, Department of Mathematics, January 9.
- 1995 “Proof-Theory and the Flow of Information”. University of Florence, Conference “Proof-Theory for Natural Languages”. *10th International Congress of Logic, Methodology and Philosophy of Science*, August 21.

### PARTICIPATION IN NATIONAL & INTERNATIONAL PROJECTS

- 2023- Principal investigator of the PRIN 2022 Project: “Proof and understanding in mathematics. Purity of methods, simplicity, and explanation in mathematical reasoning”.
- 2021-2023 Coordinator of the Project PRO3: “Understanding public data: experts, decisions, epistemic values”.
- 2012-2014 Co-principal investigator of the Project “Human reasoning: the logic of metacognition”, financed by the University of Macau.
- 2008-2010 Participant of the Project “Control and Certification of Resource Usage”, cofinanced by Italian Ministry for University and Research.
- 2006-2007 Participant of the Bilateral Project CNR/CNRS “Interaction and Complexity”.
- 2005-2006 Participant of the Project “Logical Foundations of Abstract Programming Languages”, cofinanced by Italian Ministry for University and Research.
- 2002-2004 Participant of the Action de Recherche Coopérative de l’INRIA “The acquisition of categorial grammars”.
- 2003-2004 Participant of the Project “From Proof to Computation through Linear Logic”, cofinanced by Italian Ministry for University and Research.
- 2001-2004 Participant of the Project “Dynamics of Computational Processes”, Istituto per le Applicazioni del Calcolo CNR.
- 2001-2002 Participant of the Project ‘Linear Logic and beyond’, cofinanced by Italian Ministry for University and Research.
- 1998-2002 Participant of the Project UE TMR “Linear Logic in Theoretical Computer Science”.
- 1998-1999 Participant of the French – Italian Project *Galileo*: “The use of non commutative linear logic for the syntax of Romance languages”.
- 1993-1994 Participant of the Esprit BRA project 6852: “Dynamic interpretation of natural language”.

### MEMBERSHIP IN SCHOLARLY ASSOCIATIONS

*SILFS* (Italian Society for Logic and Philosophy of Sciences);  
*AILA* (Italian Association of Logic and Applications);  
*FOLLI* (European Association for Logic, Language and Information);  
 Scandinavian Logic Society;  
 Swiss Society for Logic and Philosophy of Science;  
*LIGC* (Logique et Interaction: vers une Géométrie de la Cognition);



*Roman Group for Logic and Geometry of Cognition*, University of Rome III (<http://logica.uniroma3.it>);

Italian Network for the Philosophy of Mathematics (<http://filmatnetwork.com>)

RES VIVA, Centro Interuniversitario di Ricerche Epistemologiche e Storiche sulle Scienze del Vivente.

## TEACHING ACTIVITIES

### UNDERGRADUATE COURSES

- Introductory logic
- Formal methods in philosophy
- Introduction to theoretical computer science
- Introduction to epistemology.

### GRADUATE COURSES

- Advanced logic
- Philosophy of mathematics
- Philosophy of logic
- Proof-theory
- Philosophy of science
- Computability theory
- Skepticism in epistemology
- Mid-20th Century Analytic Philosophy

### PH.D PROGRAMS

- Advanced proof-theory
- Substructural logics and context-sensitiveness
- Incompleteness phenomena
- Truth and paradoxes
- The concept of necessity
- Philosophical problems in logic
- Diagrammatic reasoning
- Plato's *Theaetetus*
- Logic in linguistics.
- Negation: logical explorations.

2022-

Member of the faculty board of the joint Ph.D Program: “The Human Mind and Its Explanations: Language, Brain and Reasoning” with the University of Milan and the University School for Advanced Studies IUSS of Pavia.

### SUMMER SCHOOL COURSES

History and philosophy of logic (AILA Summer School, Gargnano, Italy, August 2019).

## STUDENTS

2000- Supervised 36 master's theses, and 21 PhD dissertations in logic, proof-theory and philosophy of mathematics.

## SUPERVISOR OF RESEARCH GRANTS

2022-2024 Supervisor of a two year research grant «Formal methods for reasoning in social settings» (SNS).  
2021-2022 Supervisor of a research grant «*Quod erat videndum*: heuristic, logical and cognitive aspects of diagrams in mathematical reasoning» (SNS).  
2018-2019 Supervisor of a research grant as part of the research program «The implicit commitment of mathematical theories through intensional notions» (SNS).  
2010-2012 Supervisor of a biennial research grant in proof-theory (University of Chieti-Pescara).

## PROFESSIONAL SERVICE

2024 XXV World Congress of Philosophy, Rome, Philosophy of Mathematics Program Chair.  
2021 Reviewer for the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR), Program for the Evaluation of Research Quality (VQR 2015-2019)  
2018-2021 Member of the Committee for the National Scientific Qualification ("Abilitazione Scientifica Nazionale", ASN) in *Logic and Philosophy of Science*.  
2021- Member of the editorial board of *Annals of Mathematics and Philosophy*.  
2018- Member of the editorial board of *Annali della Scuola Normale Superiore di Pisa. Classe di Lettere e Filosofia*.  
2016 Chair of *FilMat2016*: "Philosophy of mathematics: truth, existence and explanation", Chieti, May 26-28.  
2016- Reviewer for *Mathematical Reviews*.  
2015- Expert Peer-Reviewer for Italian Scientific Evaluation.  
2015 Promotion and tenure committees member for Lingnan University, Hong Kong.  
2003- External examiner for doctoral theses at Utrecht University (2003), University of Rome "La Sapienza" (2005; 2006), University of Roma Tre (2006), University of Genoa (2009), University of Siena (2010), University of Urbino (2012), Université Paris Diderot - Paris 7 (2013), University of Turin (2014), Scuola Normale di Pisa (2015), Helsinki University (2022). Ph.D. admissions committee, University of Florence (and Pisa) (2015; 2019).  
Member of the program committee and/or referee for many international conferences and workshops in Logic and Philosophy of Mathematics.  
Journal Refereeing: *Journal of Symbolic Logic*, *Fundamenta Informaticae*, *Studia Logica*, *Reports on Mathematical Logic*, *Bulletin of the Section of Logic*, *Logic Journal of the IGPL*, *Journal of Logic and Computation*, *Mathematical Structures in Computer Science*, *Research on Language and Computation*, *Journal of Applied Non-Classical Logics*, *Synthese*, *Erkenntnis*, *Philosophical Studies*, *Review of Philosophy and Psychology*, *Topoi*, *Apeiron*, *Ancient Philosophy*, *European Journal for Philosophy of Science*, *Entropy*, *Progress in Biophysics and Molecular Biology*, *Briefings in Bioinformatics*, *The Mathematical Intelligencer*.

Referee for books and contributions to books published with Kluwer, Springer, Ontos, Oxford University Press, de Gruyter.

External reviewer for the University of Catania, FIR 2014.

2012-2013 Reviewer for the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR), Program for the Evaluation of Research Quality 2004-2010 (VQR 2004-2010).

2002-2016 Member of the editorial board of *L&PS - Logic and Philosophy of Science. An electronic journal* ([www.units.it/~episteme/](http://www.units.it/~episteme/)).

#### DEPARTMENTAL AND UNIVERSITY SERVICE AT UNIVERSITY OF CHIETI-PESCARA.

2013-2018 Member of the faculty board of the Ph.D Program in 'Human Sciences'.

2013 Member of the Committee on the redesign of the Ph.D. Program in 'Human Sciences'.

2008-2013 Faculty Delegate for the Socrates/Erasmus Program.

2005-2012 Member of the PhD Committee programme in 'Logic, Ontology and Ethics'.

2008-2011 Member of the Departmental Committee (Giunta), Department of Philosophy.

2002-2005 Computing Resources Committee.