

CURRICULUM VITAE ET STUDIORUM

Personal Data

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University website: <https://www.uniurb.it/persona/pierluigi-graziani>

Personal website: <https://sites.google.com/site/grazianipierluigi/>

ResearchGate: https://www.researchgate.net/profile/Pierluigi_Graziani

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Current Position

01/07/2024- Associate Professor in “Logic and Philosophy of Science”
University of Urbino Carlo Bo,
Department of Pure and Applied Sciences

Teaching activities

University of Urbino Carlo Bo,
Department of Pure and Applied Sciences
MA in *Philosophy of Information. Theory and management of knowledge*

- “Logic”
- “Logic and Computer Science”

National Scientific Qualifications

13/03/2025-13/03/2037 National Scientific Qualification (Abilitazione Scientifica Nazionale) to Full Professorship (I Fascia) in Italian University for the academic areas of “Logic, History of Science and Philosophy of Science” (11/C2).

13/05/2021-13/05/2032 National Scientific Qualification (Abilitazione Scientifica Nazionale) to Associate Professorship (II Fascia) in Italian University for the academic areas of “Logic, History of Science and Philosophy of Science” (11/C2).

26/11/2014-26/11/2025 National Scientific Qualification (Abilitazione Scientifica Nazionale) to Associate Professorship (II Fascia) in Italian University for the academic areas of “Logic, History of Science and Philosophy of Science” (11/C2).

Research Areas

Areas of Specialization

Logic and Computer Science • Foundation of Geometry • History and Philosophy of Logic

Areas of Competence

Philosophy of Science • History of Science • Epistemology.

Erdős number

4 (through Franck van Breugel, Michael Makkai, and Alessandro Aldini).

Academic Education

- 2007 Ph.D. in Logic and Epistemology
 Center: Department of Philosophical and Epistemological Studies, Faculty of
 Philosophy, University of Rome “La Sapienza” (Italy)
 Supervisors: Prof. Carlo Cellucci and Prof. Jan von Plato
 Final Defense: July 6, 2007
 Ph.D. Thesis: “*Analisi Strutturale e Fondazionale della Geometria del Piano
 di Euclide*”
 [English Title: “Structural and Foundational Analysis of Euclid’s Plane
 Geometry”]
- 2001 Master Degree in Philosophy
 Center: Institute of Philosophy, University of Urbino (Italy)
 Supervisors: Prof. Silvio Bozzi and Prof. Gino Tarozzi
 Final Defense: December 6, 2001
 Final Mark: 110/110 cum laude.
 Graduation Thesis: “*Analisi e Sintesi in Geometria. La Prospettiva della
 Teoria Intuizionista dei Tipi*” [English Title: “Analysis and Synthesis in
 Geometry. The Perspective of Intuitionistic Type Theory”]

Previous Positions

- 07/2021- 06/2024 Assistant Professor (RTD-B) in “Logic and Philosophy of Science”
(3 years) University of Urbino Carlo Bo,
 Department of Pure and Applied Sciences
- 11/2018-11/2021 Postdoctoral Fellowship in “Logic, History and Philosophy of Science
(3 years) Mathematical Logic and Complementary Mathematics”,
 University of Urbino Carlo Bo,
 Department of Pure and Applied Sciences,
 Project: Formal Systems for the History of Mathematics.

- 2019-2021 Adjunct Professor (Professore a Contratto) in “Logic and Computer Science”
University of Urbino Carlo Bo, Italy
Department of Pure and Applied Sciences.
- 2019-2021 Adjunct Professor (Professore a Contratto) in “Semantic Web”
University of Urbino Carlo Bo, Italy
Department of Pure and Applied Sciences.
- 2015-2019 Adjunct Professor in “Logic and Computer Science”
University of Urbino Carlo Bo, Italy
Department of Philosophy / Department of Pure and Applied Sciences
- 2014-2017 Postdoctoral Fellowship in “Logic and Philosophy of Science”,
(3 years) University of Chieti-Pescara “Gabriele d’Annunzio”,
Department of Philosophical, Pedagogical, and Economic-Quantitative
Sciences,
Project: Models and limits of rationality: theoretical and experimental
research on human reasoning and inferential strategies.
- 2010-2013 Postdoctoral Fellowship in “Logic and Philosophy of Science – History of
(3 years) Science and of Techniques”,
University of Urbino Carlo Bo, Italy
Department of Communication Studies / Department of Basic Sciences and
Foundations,
Project: Federico Commandino and the development of Mathematical
Humanism in Urbino.
- 2008-2015 Adjunct Professor in “Computer Science”
University of Urbino Carlo Bo, Italy
Department of Philosophy / Department of Pure and Applied Sciences
- 2009-2010 Adjunct Professor in “Logic”
University of Urbino Carlo Bo, Italy
Department of Philosophy / Department of Pure and Applied Sciences
- 2007-2009 Adjunct Professor in “Logic and Computer Science”
University of Urbino Carlo Bo, Italy
Department of Philosophy / Department of Pure and Applied Sciences

Teaching Activities at Foreign University

Courses at the Pontifical Lateran University, Vatican City

- 2022-2023 Logic of rational interactions and game theory, 6 CFU
- 2021-2022 Logic of rational interactions and game theory, 6 CFU
- 2020-2021 Logic of rational interactions and game theory, 6 CFU.

2019-2020 Logic of rational interactions and game theory, 6 CFU.

Teaching activities in PhD courses

11,12,13/12/2023 *Scientific Method and Experimental Design*
DiSPeA ReMeST PhD Students
University of Urbino Carlo Bo

23/12/2022 *Critical Thinking*
DiSPeA ReMeST PhD Students
University of Urbino Carlo Bo

14-15/12/2021 *Critical Thinking*
DiSPeA ReMeST PhD Students
University of Urbino Carlo Bo

3-4/02/2020 *Critical Thinking*
DiSPeA ReMeST PhD Students
University of Urbino Carlo Bo

14/06/2018 *Proofs and Derivations*
DiSPeA ReMeST PhD Students
University of Urbino Carlo Bo

Visiting

2023 University of Coimbra, Department of Mathematics, Coimbra, Portugal

2019 University of Coimbra, Department of Mathematics, Coimbra, Portugal.

2016 Max Planck Institute for the History of Science, Berlin, Germany.

2016 University of Coimbra, Department of Mathematics, Coimbra, Portugal.

Administrative roles

Roles within the Master Degree in Philosophy of Information: Theory and Management of Knowledge, Department of Pure and Applied Sciences, University of Urbino Carlo Bo,
<<https://filosofia.uniurb.it/responsabili-segreterie-e-sedi/>>:

2025- Degree Programme Director, Master Degree in Philosophy of Information

2022- Member of Master Degree's Quality Control Unit (Gruppo Assicurazione Qualità e Riesame del Corso di Laurea);

2022- Member of Master Degree's Curricula Unit (Commissione Verifica

Preparazione e Pratiche Studenti del Corso di Laurea);

2022- Member of Teaching Appointments Unit (Commissione Incarichi Didattici del Corso di Laurea);

2022- Master Degree's Tutoring Program Manager (Responsabile Tutorato del Corso di Laurea);

2022- Member of the Committee implementing the European Charter for Researchers, University of Urbino, Italy.

2022- Member of the Tutor Commission (DiSPeA, University of Urbino), 2022;
Member of the Ph.D. Commission (IULM University), 2022.

Selected Publications

Book

2024 *Introduzione alla logica. Teorie e applicazioni filosofiche.*
(with V. Fano, S. Bonzio and A. Corti), Carocci Editore, Rome,
ISBN 978-88-290-2236-6.

Edited Books

2024 *Current topics in Logic and the Philosophy of Science. Papers from SILFS 2022 postgraduate conference.*
(with F. Bianchini, V. Fano)
College Publication, the SILFS series.

2024 *Realism and Antirealism in Metaphysics, Science and Language. Festschrift for Mario Alai.*
(with A. Angelucci, V. Fano, G. Ferretti, G. Galli, G. Tarozzi)
FrancoAngeli Editore.

2023 *Software Engineering and Formal Methods. SEFM 2022 Collocated Workshops - AI4EA, CIFMA, CoSim-CPS, F-IDE, Revised Selected Papers*
(with Paolo Masci, Cinzia Bernardeschi, Mario Koddenbrock, Maurizio Palmieri),
Lecture Notes in Computer Science Vol. n. 13765,
Springer.
DOI: <<https://doi.org/10.1007/978-3-031-26236-4>>.

- 2022 *Software Engineering and Formal Methods. SEFM 2021 Collocated Workshops - CIFMA, CoSim-CPS, OpenCERT, ASYDE, Virtual Event, December 6-10, 2021, Revised Selected Papers*
(with Antonio Cerone, Marco Autili, Alessio Bucaioni, Cláudio Gomes, Maurizio Palmieri, Marco Temperini, Gentiane Venture)
Lecture Notes in Computer Science Vol. n. 13230,
Springer.
DOI: <<https://doi.org/10.1007/978-3-031-12429-7>>.
- 2021 *Experience, Abstraction and the Scientific Image of the World. Festschrift for Vincenzo Fano on his 60th Birthday.*
(with C. Calosi, Davide Pietrini and G. Tarozzi)
FrancoAngeli Editore.
- 2014 *Mereology and the Sciences. Parts and Wholes in the Contemporary Scientific Context*
(with C. Calosi)
Synthese Library 371, Springer Cham Heidelberg New York Dordrecht London.
DOI:<<https://doi.org/10.1007/978-3-319-05356-1>>.
- 2013 *Open Problems in Philosophy of Sciences*
(with L. Guzzardi and M. Sangoi)
College Publications, London.
- 2012 *Prospettive Filosofiche: Ontologia,*
(with C. Tatasciore and G. Grimaldi)
Bonanno Editore, Napols.
- 2007 *Prospettive Filosofiche: Il Realismo*
(with C. Tatasciore and G. Grimaldi)
Istituto Italiano per gli Studi Filosofici, Naples.

Edited Journal Special Issues

- 2023 *Experimental and Integrative Approaches to Robo-ethics*
(with F. Bianchini, L. Damiano, E. Datteri)
Special Issue of *International Journal of Social Robotics*,
vol. 15, Issue 12, Springer.
- 2021 *Connecting Things in the Setting of Foundations and Philosophy of Science*
(with R. Giuntini, G. Sergioli, S. Sozzo)
Special Issue of *Foundations of Science*, vol. 28, Springer.
- 2020 *The Legacy of David Kellogg Lewis*
(with M. Antonutti Marfori)
Special Issue of *Synthese*, n. 197, Springer.

- 2015 *Filosofia e Scienze nel Rinascimento*
(with F. De Felice),
Special Issue of *Itinerari*, Lanciano.
- 2015 *Animali Razionali. Studi sui confini e le possibilità della razionalità umana*
(with G. Grimaldi and M. Sangoi),
Special Issue of *Isonomia Epistemologica*, vol. 8.
- 2012 *Complessità e Riduzionismo*
(with V. Fano, E. Giannetto and G. Giannini),
Special Issue of *Isonomia-Epistemologica*, vol. 2.

Encyclopedia Entries

- 2010 *Matematica; Metalinguaggio; Modalità; Negazione; Operatore; Ordine; Osservazione; Predicativismo; Preformazione; Previsione; Probabilità; Problema; Calcolo Proporzionale; Proposizione; Prova; Quantificazione; Sistema Formale; Termine; Teoria dei Tipi; Validità.*
In *Dizionario di Filosofia*, Istituto della Enciclopedia Italiana, Treccani.

Papers in peer-reviewed journals

- Forthcoming *Demonstrações Geométricas Automáticas, Simples, Legíveis e Interessantes*
(with Pedro Quaresma)
Lampião - Revista de Filosofia
- 2025 *A logical perspective on intending to keep a true secret,*
(with Alessandro Aldini, Davide Fazio, Raffaele Mascella, Mirko Tagliaferri)
Journal of Logic and Computation, Volume 35, Issue 5, July 2025, exaf028,
DOI: <<https://doi.org/10.1093/logcom/exaf028>>
- 2024 *A probabilistic modal logic for context-aware trust based on evidence,*
(with Alessandro Aldini, Gianluca Curzi, and Mirko Tagliaferri),
International Journal of Approximate Reasoning, Vol. 169,
DOI: <<https://doi.org/10.1016/j.ijar.2024.109167>>
- 2024 *Considerations on Approaches and Metrics in Automated Theorem Generation/Finding,*
(with Pedro Quaresma and Stefano Nicoletti),
Electronic Proceedings in Theoretical Computer Science,
Proceedings of the conference ADG 2023, vol. 398, pp. 85-100,
DOI: <<https://doi.org/10.4204/EPTCS.398.12>>
- 2023 *Experimental and Integrative Approaches to Robo-ethics. An Introduction*
(with F. Bianchini, L. Damiano, E. Datteri)

Special Issue of *International Journal of Social Robotics*,
Vol. 15, pp. 1977-1980
DOI: <<https://doi.org/10.1007/s12369-023-01084-z>>

- 2023 *A Hierarchical Characterization of Ignorance in Epistemic Logic*
(with Alessandro Aldini and Mirko Tagliaferri)
Argumenta 8, 2, 373-386.
DOI:<[10.14275/2465-2334/202316.ald](https://doi.org/10.14275/2465-2334/202316.ald)>.
- 2023 *A Logical Modeling of Severe Ignorance*
(with Stefano Bonzio, Vincenzo Fano, and Michele Pra Baldi)
in *Journal of Philosophical Logic*, 52, pp. 1053–1080.
DOI:<<https://doi.org/10.1007/s10992-022-09697-x>>.
- 2023 *Measuring the Readability of Geometric Proofs—The Area Method Case*
(with Pedro Quaresma)
in *Journal of Automated Reasoning*, pp. 67, 5.
DOI:< <https://doi.org/10.1007/s10817-022-09652-0>>
- 2023 *Connecting Things in the Setting of Foundations and Philosophy of Science: Introduction to the special issue.*
(with Roberto Giuntini, Giuseppe Sergioli and Sandro Sozzo)
Foundations of Sciences, vol. 28, pp. 109–114.
DOI:<<https://doi.org/10.1007/s10699-022-09845-1>>
- 2022 *On the Ethics of Digital Nudges. Two Steps to Make Digital Nudges Ethically More Commendable.*
(with S. Calboli),
AQUINAS, vol. 2, p. 353-369.
- 2022 *FCE: Feedback Based Counterfactual Explanations for Explainable AI*
(with M. Suffian, J. M. Alonso and A. Bogliolo),
in *IEEE Access*, vol. 10, pp. 72363-72372.
DOI: <[10.1109/ACCESS.2022.3189432](https://doi.org/10.1109/ACCESS.2022.3189432)>.
- 2020 *The Legacy of D. K. Lewis: Introduction to the Special Issue,*
(with M. Antonutti Marfori),
Synthese, n. 197, pp. 4639–4644, Springer.
DOI: <<https://doi.org/10.1007/s11229-020-02822-w>>
- 2020
(First online) *Melissus as an analytical metaphysicist,*
(with V. Fano, F. Marcacci and M. Tagliaferri M),
Axiomathes, n. 32 (suppl. 3), pp. 1105-1127, Springer, 2022.
DOI: <<https://doi.org/10.1007/s10516-020-09507-6>>
- 2020
(First online) *A Working Hypothesis for the Logic of Radical Ignorance*
(with V. Fano),
Synthese, n. 199, pp. 601-616, Springer, 2021.
DOI: <<https://doi.org/10.1007/s11229-020-02681-5>>

- 2020 *Taxonomies of Geometric Problems*
(with P. Quaresma, V. Santos and N. Baeta), in Francisco Botana, Zoltán Kovács, Tomas Recio (Ed. by), Special issue on dynamic geometry and automated reasoning, *Journal of Symbolic Computation*, Volume 97, pp. 31-55.
DOI: <<https://doi.org/10.1016/j.jsc.2018.12.004>>
- 2019 *A language for the human body: a tentative proposal*
(with M. Tagliaferri), in R. Lanfredini, N. Liberati, E. Pagni, L. Racciatti (ed. by), *Qualitative Ontology in Automated Information Systems and Robotics*. Special issue of *Philosophical Inquiries* VII, 1 pp. 83-108.
DOI: <<https://doi.org/10.4454/philing.v7i1.24>>
- 2015 *Ipotesi sui Punti Materiali*
(with A. Foligno) in F. De Felice and P. Graziani (ed. by), *Filosofia e Scienze nel Rinascimento*, Special Issue of *Itinerari*, pp. 75-104, Lanciano.
- 2015 *Alcune riflessioni sul fenomeno dell'Uncanny valley*
(with A. Angelucci, M. Bastioni, and M. G. Rossi), in P. Graziani, G. Grimaldi, M. Sangoi (ed. by), *Animali Razionali. Studi sui limiti e le possibilità della razionalità umana*, Special Issue of *Isonomia Epistemologica*, pp. 349-372, Urbino.
- 2014 *Proposta di nuovi simboli per la Mereologia Formale*
ISONOMIA Epistemologica, vol. 4, p. 105-110.
- 2013 *Mechanical Intelligence and Gödelian Arguments*
(with V. Fano)
EPISTEMOLOGIA, vol. XXXVI, p. 207-232.
- 2012 *Elementare ma complessa: la prospettiva della complessità computazionale attraverso il caso studio della geometria di Tarski*
in V. Fano, E. Giannetto, G. Giannini and P. Graziani (ed. by), *Complessità e Riduzionismo*, Special Issue of *Isonomia-Epistemologica*, vol. 2, pp. 59-74.
- 2011 *Gödel and the fundamental incompleteness of human self-knowledge.*
(with V. Fano),
in *Logic and Philosophy of Science*, vol. IX, No.1, pp. 263-274.
- 2011 *Quanta matematica serve per costruire un essere umano?*
(with M. Bastioni)
in *Lettera Matematica PRISTEM*, 78, pp. 26-37.
- 2010 *Report. A school on Open Problems in Philosophy of Sciences*
in C. Calosi (ed. by), *Physics and metaphysics*, Special Issue of *HumanaMente*, volume 13, April.
- 2009 *Movimento e velocità istantanea. Alcune note sul concetto di infinitesimo, sul concetto di limite, e sul paradosso della freccia di Zenone*
(with V. Fano and L. Ridolfi),
in *Thauma. Rivista annuale di arte e filosofia*, n. 3, pp. 165-179.

2008 *La sfera come nozione basilare per la geometria elementare*
(with P. Freguglia),
in *Lettera Matematica PRISTEM*, n. 68, pp. 31-38, Springer.

2005 *La Macchina Aritmetica di Blaise Pascal*
(with M. Sangoi),
in *Isonomia*.

Book peer-reviewed essays and chapters

2025 *On Group Secrets and the Metacommunicative Aspects of Revealing a True Secret*,
(with Alessandro Aldini, Davide Fazio, Raffaele Mascella, Mirko Tagliaferri)
In: Proença, J., Fervari, R., Martins, M.A., Kahle, R., Pluck, G. (eds)
Software Engineering and Formal Methods. SEFM 2024 Collocated
Workshops. SEFM 2024. *Lecture Notes in Computer Science*, vol 15551.
Springer, Cham.
DOI: <https://doi.org/10.1007/978-3-031-94748-3_12>

2024 *Frequentist Probability Logic*,
(with Alessandro Aldini and Mirko Tagliaferri)
in Aldini, A. (eds) *Software Engineering and Formal Methods. SEFM 2023 Collocated Workshops. SEFM 2023*. *Lecture Notes in Computer Science*, vol 14568. Springer, Cham.
DOI: <https://doi.org/10.1007/978-3-031-66021-4_4>

2024 *Considerations on Approaches and Metrics in Automated Theorem Generation/Finding*,
(with Pedro Quaresma and Stefano Nicoletti),
Electronic Proceedings in Theoretical Computer Science,
Proceedings of the conference ADG 2023, vol. 398, pp. 85-100,
DOI: <<https://doi.org/10.4204/EPTCS.398.12>>

2024 *Introduction*
(with A. Angelucci, V. Fano, G. Ferretti, G. Galli, G. Tarozzi)
Realism and Antirealism in Metaphysics, Science and Language. Festschrift or Mario Alai, pp. 7-8.
FrancoAngeli Editore

2023 *Knowledge-of-own-factivity, the definition of surprise, and a solution to the Surprise Examination paradox*
(with Alessandro Aldini and Samuel Allen Alexander)
in Paolo Masci, Cinzia Bernardeschi, Pierluigi Graziani, Mario Koddenbrock, Maurizio Palmieri (Eds.), *Software Engineering and Formal Methods. SEFM 2022 Collocated Workshops*, *Lecture Notes in Computer Science*, vol 13765, pp. 383–399, Springer International Publishing.
DOI: <https://doi.org/10.1007/978-3-031-26236-4_30>.

- 2023 *The Ethics of Robot-nudgers' Design*
(with Stefano Calboli and Jani Even)
in Raul Hakli, Pekka Makela, Johanna Seibt (Eds.), *Proceedings of Robophilosophy 2022 Conference - Social Robots in Social Institutions*, IOS Press, pp. 473-479.
DOI:<10.3233/FAIA220648>.
- 2022 *Critical Thinking and Integrated Curriculum: Developing a lens to problematize their relationship in secondary education*
(with Laura Branchetti and Stefano Calboli)
in Massimiliano Badino, Carla Canullo, Ivana Matteucci, Sebastiano Moruzzi and Giuseppe Sergioli (Eds.) *Beyond the two cultures. Experiences from a POT Project*, Edizioni Centro Studi Erickson, Trento, pp. 211-224.
- 2021 *Introduzione*
(with C. Calosi, P. Graziani, D. Pietrini, G. Tarozzi)
in Claudio Calosi, Pierluigi Graziani, Davide Pietrini, Gino Tarozzi (ed. by), *Experience, Abstraction and the scientific Image of the world. Festschrift for Vincenzo Fano*, vol. 490.111, Milano, FrancoAngeli, p. 9-10.
- 2021 *Geometric Construction: A Tentative Taxonomy*
in C. Calosi, P. Graziani e G. Tarozzi (Eds.) *Experience, Abstraction and the Scientific Image of the World. Festschrift for Vincenzo Fano on his 60th Birthday*, FrancoAngeli Editore, pp. 277-300.
- 2021 *Trust Evidence Logic*
(with A. Aldini, G. Curzi e M.Tagliaferri)
in Jiřina Vejnarova and Nic Wilson (Eds.) *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, 16th European Conference, ECSQARU 2021, Prague, Czech Republic, September 21–24, 2021, Proceedings, Lecture Notes in Computer Science, Springer Nature Switzerland AG 2021, pp. 575-589.
DOI: <https://doi.org/10.1007/978-3-030-86772-0_41>
- 2021 *Reasoning about Ignorance and Beliefs*,
(with A. Aldini and M. Tagliaferri)
Cleophas Loek and Massink Mieke (Eds.) *Software Engineering and Formal Methods. SEFM 2020 Collocated Workshops*, Lecture Notes in Computer Science, vol. 12524, Springer International Publishing, pp. 207-223.
https://doi.org/10.1007/978-3-030-67220-1_17
- 2020 *Idee per un approccio formale alla matematica antica*
in E. Montuschi e P. D. Omodeo (a cura di), *Ordinare il Mondo. Prospettive Logiche ed Epistemologiche su scienza, natura e societa*, pp. 50-70, Armando Editore, Roma.
- 2020 *Curricolo integrato e critical thinking*
in B. Martini, M.C. Michelini (a cura di), *Il curricolo integrato*, pp. 244-249, Milano, FrancoAngeli.

- 2019 *Realizing Computations*
(with V. Fano, M. Tagliaferri and G. Tarozzi), in B. Falkenburg and G. Schiemann (ed. by), *Mechanistic Explanations in Physics and Beyond*, European Studies in Philosophy of Science, pp. 207-220, Springer.
DOI: <https://doi.org/10.1007/978-3-030-10707-9_11>
- 2018 *Is a space interval a set of infinite points? A very old question*
(with V. Fano), in M. T. Catena and F. Masi (ed. by), *The changing faces of space*, Studies in Applied Philosophy, Epistemology and Rational Ethics (SAPERRE), pp. 195-205, Springer.
DOI: <https://doi.org/10.1007/978-3-319-66911-3_12>
- 2016 *Formal Logic and Ancient Mathematical Reasoning*
(with M. Colucci), in A. Moktefi and A. Moretti and F. Shang (ed. by), *Let's be Logical*, College Publications, pp. 97-116, London.
- 2016 *Theory of Knowing Machines: Revisiting Gödel and the Mechanistic Thesis*
(with A. Aldini and V. Fano), in F. Gadducci and M. Tavoanis (ed. by), *History and Philosophy of Computing*, IFIP Advances in Information and Communication Technology series, pp. 57-70, Springer.
DOI: <https://doi.org/10.1007/978-3-319-47286-7_4>
- 2016 *Alcune note sui Teoremi di Incompletezza di Gödel e la conoscenza delle macchine*
(with A. Aldini and V. Fano) in E. M. Ponti and M. Budassi (ed. by), *Computer parler soigner. Tra linguistica e intelligenza artificiale*, Pavia University Press, pp. 93-113, Pavia.
- 2016 *The Uncanny Valley. A Working Hypothesis*
(with A. Angelucci and M. G. Rossi) in M. Nørskov (ed. by), *Social Robots: Boundaries, Potential, Challenges*, Ashgate Publishing Ltd., pp. 123-137, Farnham, Surrey UK, Burlington VT.
- 2016 *Are Gandy Machines Really Local?*
(with V. Fano, R. Macrelli, and G. Tarozzi) in V. Müller (ed. by), *Computing and Philosophy*. Springer, Synthese Library 375, pp. 27-44, Cham, Heidelberg, New York, Dordrecht, London.
DOI: <https://doi.org/10.1007/978-3-319-23291-1_3>
- 2015 *Do the self-knowing machines dream of knowing their factivity?*
(with A. Aldini and V. Fano),
in A. Lieto (ed. by), *Proceedings of International Workshop on Artificial Intelligence and Cognition 2015*, CEUR_WS.org, pp. 125-132, Aachen.
- 2015 *A Note on Knowing Machines*
(with A. Aldini and V. Fano),
in Fabio Gadducci and Mirko Tavoanis (ed. by), Preliminary Proceedings of the 3rd International Conference on the History and Philosophy of Computing (HaPoC 2015). p. 15-17, PISA:Pisa University Press, Pisa, 8-11 ottobre 2015.

- 2015 *Philosophy of mathematics and logic.*
in M. Alai, M. Buzzoni, G. Tarozzi (ed. by), *Science between truth and ethical responsibility. Evandro Agazzi in the contemporary scientific and philosophical debate.* p. 153-162, Springer.
- 2014 *A Philosophical Look at the Uncanny Valley*
(with A. Angelucci, M. Bastioni, and M. G. Rossi),
in J. Seibt, R. Hakli, M. Nørskov (ed. by), *Sociable Robots and the Future of Social Relations*, IOS Press, pp. 165-171, Amsterdam - Berlin - Tokyo - Washington DC.
- 2014 *Tarozzi on change of logic*
in V. Fano (ed. by), *Gino Tarozzi's Philosophy of Nature*, FrancoAngeli, pp. 124-133, Milano.
- 2014 *Continuity of motion in Whitehead's geometrical space.*
(with V. Fano),
in C. Calosi and P. Graziani (ed by), *Mereology and the Sciences. Parts and Wholes in the Contemporary Scientific Context.*
Synthese Library 371, pp. 85-99. Springer Cham Heidelberg New York Dordrecht London.
DOI: <https://doi.org/10.1007/978-3-319-05356-1_4>
- 2014 *Parts, Wholes and Contemporary Sciences.*
(with C. Calosi)
in C. Calosi and P. Graziani (ed by), *Mereology and the Sciences. Parts and Wholes in the Contemporary Scientific Context.*
Synthese Library 371, pp. XIII-XVIII, Springer Cham Heidelberg New York Dordrecht London.
- 2014 *A Structural and Foundational Analysis of Euclid's plane geometry: the case study of continuity*
in V. Fano, F. Orillia and G. Macchia (ed. by), *Space and Time. A priori and A posteriori Studies.* DeGruyter-Ontos Verlag, pp.63-106. Berlin/Boston.
<https://doi.org/10.1515/9783110348927.63>
- 2014 *Physics, Metaphysics and Reality of Nothing in Quantum Mechanics*
(with G. Tarozzi),
in E. Agazzi (ed. by), *Science, Metaphysics, Religion*
FrancoAngeli, pp. 117-128, Milano.
- 2013 *Reflecting on Open Problems in Philosophy of Sciences*
(with L. Guzzardi and M. Sangoi),
in P. Graziani, L. Guzzardi and M. Sangoi (ed. by), *Open Problems in Philosophy of Sciences*, College Publications.
- 2013 *Mechanical Intelligence and Gödelian Arguments*
(with V. Fano)
in Agazzi E. (ed. by), *The Legacy of A. M. Turing.*
EPISTEMOLOGIA, p. 48-71, Milano, FrancoAngeli.

- 2012 *Sulla oggettività del continuo negli Elementi di Euclide*
in C. Tatasciore, P. Graziani, G. Grimaldi (ed. by), *Prospettive Filosofiche: Ontologia*, Bonanno Editore, pp. 61-74, Acireale-Roma.
- 2012 Reflecting on Open Problems in Philosophy of Sciences
(with L. Guzzardi and M. Sangoi)
in P. Graziani, L. Guzzardi, M. Sangoi (ed. by) *Open Problems in Philosophy of sciences*, London, College Publications, p. 1-3.
- 2012 *Frammenti, premonizioni, intuizioni di Modernità nel Rinascimento urbinato.*
(with E. Gamba),
in G. Grimaldi (ed. by), *Pensare la Modernità*, Limina Mentis Editore, pp. 195-112, Villasanta.
- 2012 *Alcune note sulla proposizione I.1 degli Elementi di Euclide*
in R. Mantovani (ed. by), *Atti del XXX Congresso Nazionale della Società Italiana di Storici della Fisica e dell'Astronomia*, Argalia Editore, pp. 59-65, Urbino.
- 2012 *I principi metafisici sono veramente privi di significato?*
(with G. Tarozzi),
in R. De Mucci, K. Leube (ed. by), *Un 'austriaco' in Italia. Festschrift in onore del professor Dario Antiseri*, Rubbettino, pp. 637-651, Soveria Mannelli.
- 2007 *The logic of the ancient analytical-synthetical method*
in N. Herran, J. Simon, X. G. Llobat, T. Lanuza Navarro, P. Ruiz Castell; J. Navarro (ed by) *Synergia: Premier Encuentro de Jóvenes Investigadores en Historia de la Ciencia*, Consejo Superior de Investigaciones Científicas, pp. 429-447, Madrid.
- 2007 *Alcune note sul rapporto costruzione-esistenza negli Elementi di Euclide*
in C. Tatasciore, P. Graziani, G. Grimaldi (ed. by), *Prospettive Filosofiche: Il Realismo*, Istituto Italiano per gli Studi Filosofici, pp. 27-39, Napoli.
- 2007 *Analisi Strutturale e Fondazionale della Geometria del Piano di Euclide*
Tesi di Dottorato, Dottorato di Ricerca in Logica ed Epistemologia,
Dipartimento di Studi Filosofici ed Epistemologici, Facoltà di Filosofia,
Università degli Studi di Roma "La Sapienza".
- 2006 *What is a correct description of the Euclidean Postulates?*
in F. Martinez Manrique, L. M. Peris-Viné (ed. by), *Actas del V congreso de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia en España*, pp. 368-372, Granada.
- 2006 *Another look at ancient analytical-synthetical reasoning*
in C. Cellucci and P. Pecere (ed. by), *Demonstrative and Non-Demonstrative Reasoning in Mathematics and Natural Science*, Edizioni dell'Università degli Studi di Cassino, pp. 338- 372, Cassino, 2006.

Selected Conference Presentations and Talks

- 2025 How Heavy is a Light-Looking Proof? Towards a Readability Criterion for Humans and Machines
Department of Mathematics, University of Cagliari, 08/05/2024
- 2024 *Three Values, Four States, and the Logic of Error Propagation in Distributed Systems.*
DeKLA Workshop,
University of Cagliari, Cagliari 17-18/10/2024
- 2024 *Readability in Geometric Automated Theorem Proving: A Human-Machine Perspective.*
Workshop on non-classical logics in epistemology,
University of Padua, Padua 26/09/2024
- 2024 *Simplicity, readability and interestingness.*
Scuola Normale Superiore, Pisa, 18/06/2024
- 2024 *From Simplicity to Interestingness*
Machines in Thoughts - Philosophy and Epistemology of Robotics and AI
University of Bologna, Bologna, 09/05/2024
- 2024 *L'intelligenza artificiale e l'interazione uomo-macchina. Il caso studio dell'Uncanny Valley.*
Università per Stranieri di Perugia, Perugia, 14/03/2024.
- 2023 *From Simplicity to Readability*
1st Bilateral Workshop Teramo - Urbino on Logic, cognition, language and the philosophy of science, University of Teramo, 26/05/2023.
- 2022 *New Studies on Geometrography*
New Perspectives in Logic and Philosophy of Sciences, University of Cagliari, 16/09/2022.
- 2022 *La biblioteca di Leibniz*
Summer School, CodeMOOC "Coding e pensiero computazionale in Biblioteca" Urbino, 25/08/2022
- 2022 *Euclid's geometric constructions and beyond. Philosophical problems and computer science perspectives*
New Trends in Logic and the Philosophy of Science, University of Bologna 19/05/2022

- 2021 *Costruzioni Geometriche: problemi filosofici e prospettive informatiche*
Department of Mathematics, University of Milan
Milan, 22/10/2021
- 2021 *Proposta di un percorso per il Liceo Matematico*
Department of Mathematics, University of Milan
Milan, 21/10/2021
- 2021 *Critical thinking e limiti della razionalità*
POT laboratory for teachers
Urbino, 24/09/2021
- 2021 *La comunicazione e i suoi codici: dai linguaggi naturali ai linguaggi artificiali*
POT laboratory for teachers
Urbino, 4-5/09/2021
- 2021 *Un viaggio empirico attraverso l'Uncanny Valley*
with Stefano Calboli
Summer School, CodeMOOC "Coding e Intelligenza Artificiale a Scuola"
Urbino, 27/08/2021
- 2021 *Che cos'è l'Uncanny Valley?*
University of Verona, 11/05/2021.
- 2020 *Macchine logiche e computer di carte*
Summer School, CodeMOOC. Teoria e pratica del coding unplugged
University of Urbino, 24-28 Agosto 2020.
- 2019 *Costruzioni Geometriche*
Conference: *Ordering the world: Logical and epistemological perspectives on science, nature and society*
Cà Foscari University of Venice, 30/05/2019.
- 2019 *La dimostrazione automatica: la necessità e il valore di una prospettiva interdisciplinare*
University of Parma, 13/05/2019.
- 2019 *Geometric Constructions: some working hypotheses*
CMUC – Geometry Seminar
University of Coimbra, 02/04/2019.
- 2019 *What is a Geometric Construction?*
Pontifical Lateran University, 09/01/2019.
- 2018 *Taxonomies of Geometric Problems,*
Summer School: *Summer School on the Foundations of Geometry in Historical Perspective*
Max Planck Institute for Mathematics in the Sciences, Leipzig, 04/07/2018.

- 2018 *Dimostrazioni e Derivazioni*
Workshop for PhD Students: *Learning to Think and Thinking to Learn*
Università di Urbino, 14/06/2018.
- 2018 *Meccanizzare il ragionamento umano: una prospettiva storica e filosofica*
University of Teramo, 18/03/2018.
- 2017 “[...] solo impegnato in una ricerca logica [...]”. *Riflessioni sulla prova ontologica di K. Gödel.*
Conference: *Come nascono le teorie scientifiche tra scienza, filosofia e teologia*
Pontifical Lateran University, 17/01/2018.
- 2016 *Criteri di formalizzazione logica*
Seminar: *Synergia Seminar*
University of Urbino, 10/04/2016.
- 2016 *On the Use and Abuse of Formal Logic in the Study of Euclid’s Elements*
Conference: *Days in Logic 2016*
Universidade Nova De Lisboa, 29/01/2016.
- 2016 *The Universal Generalization Problem. Euclid’s mathematical solutions and contemporary formal accounts*
Seminar: *Seminário – Álgebra e Combinatória, Álgebra, Lógica e Topologia*
University of Coimbra, 18/01/2016.
- 2015 *Do the self-knowing machines dream of knowing their factivity?*
Workshop: *International Workshop on Artificial Intelligence and Cognition 2015,*
University of Turin, 29/09/2015.
- 2014 *Gödel, Menti e Macchine*
Conference: *Compter, Parler, Soigner. Tra Linguistica e Intelligenza Artificiale,*
Collegio Ghislieri, University of Pavia, 16/12/2014.
- 2014 *Are Gandy Machines Really Local?*
Conference: *The 2014 Annual Meeting of the International Association for Computing and Philosophy*
Anatolia College/ACT, Thessaloniki, Greece, 03/07/2014.
- 2013 *On the Transparency Principle in the Formal History of Mathematics*
Conference: *MPIWG-Urbino Workshop on Mathematics, Physics and Logic at the Crossroads,*
University of Urbino, 31/10/2013.
- 2013 *On Euclid’s Prototype deductions*
Conference: *2nd Barcelona-Urbino Meeting on History and Philosophy of Science,*
University of Barcelona, 22/09/2013.

- 2013 *A Sequent Calculus for Euclid's Plane Geometry*
 CONFERENCE: *Logic Colloquium 2013*
 University of Evora, 25/07/2013.
- 2013 *Dalla Cross-fertilization Logic alla Formal History of Science*
 Lesson: for PhD Students,
 University of Urbino, 15/07/2013.
- 2013 *Logica formale e storia della matematica greca*
 Seminar: *Seminars of Philosophy of Language and Mind*
 University of Milan, 10/03/2013.
- 2012 *Introduzione ai Teoremi di Gödel*
 University of Chieti-Pescara, 04/04/2012.
- 2011 *Introduzione alla Complessità Computazionale*
 University of Chieti-Pescara, 08/04/2011.
- 2011 *Calcolo dei Sequenti e Tableaux*
 University of Chieti-Pescara, 07/04/2011.
- 2011 *Introduzione alla Teoria degli Insiemi*
 Seminar: *Synergia Seminar*,
 University of Urbino, 06/04/2011.
- 2010 *How subtle are Gödelian arguments?*
 Conference: *International Conference of the Italian Society for Logic and Philosophy of Sciences*,
 University of Bergamo, 16/12/2010.
- 2010 *Tavole di verità e tableaux semantici: alcune questioni sulla complessità*
 School: *XIII Scuola estiva di filosofia della fisica: complessità e riduzionismo*, organized by University of Urbino "Carlo Bo"; by Centro Interuniversitario di Ricerca in Filosofia e Fondamenti della Fisica; by Società Italiana di Logica e Filosofia delle Scienze
 Cesena, 18/09/2010.
- 2010 *Alcune note sulla Proposizione I.1 degli Elementi di Euclide*
 Workshop: *XXX Convegno Nazionale della Società Italiana degli Storici della Fisica e dell'Astronomia*.
 University of Urbino, 10/04/2010.
- 2009 *Continuity in Euclid's geometry. The mystery of the sixth postulate".*
 Workshop: Continuity and discreteness between science and metaphysics, organized by University of Urbino "Carlo Bo", Department of Philosophy.
 University of Urbino, 19/11/2009.
- 2009 *Sulla oggettività del continuo negli Elementi di Euclide*
 Workshop: *Prospettive Filosofiche 2009: Ontologia*, organized by Società Filosofica Italiana, in cooperation with Istituto Italiano di Studi Filosofici.
 Francavilla al Mare, 28/09/2009.

- 2009 *Il dibattito sulla logica e sull'interpretazione presso la scuola matematica urbinata.*
Conference: *Federico Commandino (1509-1575): Umanesimo e Matematica nel Rinascimento Urbinate*, sponsored by Centro Internazionale di Studi Urbino e la Prospettiva; in cooperation with University of Urbino "Carlo Bo", Department of Philosophy; with Max Planck Institute for the History of Science di Berlino, with Domus Galilaeana di Pisa, with Centre d'Etude Supérieures de la Renaissance del CNRS, with Società Pesarese di Studi Storici. University of Urbino, 19/09/2009.
- 2008 *Continuous Configurations in Euclid's Elements*
Workshop: *50 Years from the Syntactic Calculus*, organized by the Department of Philosophy, Human Sciences and Educational Sciences, University of Chieti-Pescara, 11/07/2008.
- 2008 *Sviluppi della Teoria della Dimostrazione*
Department of Philosophy, Human Sciences and Educational Sciences, University of Chieti-Pescara, March.
- 2008 *Sull'antico metodo di analisi e sintesi*
Department of Philosophy, Human Sciences and Educational Sciences, University of Chieti-Pescara, March.
- 2008 *Antinomie del linguaggio e della logica*
Department of Philosophy, University of Urbino "Carlo Bo", May.
- 2006 *Alcune note sul rapporto costruzione-esistenza negli Elementi di Euclide*
Workshop: *Prospettive Filosofiche 2006: Il Realismo*, organized by Società Filosofica Italiana, in cooperation with Istituto Italiano di Studi Filosofici. Francavilla al Mare (Italy), 19/09/2006.
- 2006 *Some Remarks about the heuristic value of geometrical constructions in Euclid's Elements*
Workshop: *Sixth International Congress of History of Philosophy of Science (HOPOS 2006)*, organized by The International Society for The History of Philosophy of Science, in cooperation with Société de Philosophie des Sciences. École Normale Supérieure, Paris, 15/06/2006.
- 2005 *La Logica delle procedure di costruzione euclidee*
Workshop: *XVI Convegno Nazionale dei Dottorati di Ricerca in Filosofia*, organized by Istituto Banfi, in cooperation with Coordinamento Nazionale dei Dottorati di Ricerca in Filosofia. Reggio Emilia (Italy), 16/12/2005.

- 2005 *The logic of the ancient analytical-synthetical method*
Meeting: *I Meeting for Postgraduate Students in History of Science*, organized by Sociedad Española de Historia de las Ciencias y de las Técnicas (SEHCYT) and by Societat Catalana d'Història de la Ciència i de la Tècnica (SCHCT).
University of Valencia (Spain), 20/11/2005.
- 2005 *What is a correct description of the ancient analytical-synthetical method?*
Conference: *16th Novembertagung on the History of Mathematics*.
École Normale Supérieure, Paris, 05/11/2005.
- 2005 *Another look at ancient analytical-synthetical reasoning*
Workshop: *Demonstrative and Non-Demonstrative Reasoning in Mathematics and Natural Science*. Organized by the Department of Philosophical and Epistemological Studies, Faculty of Philosophy, University of Rome "La Sapienza" (Italy)
University of Rome La Sapienza (Italy), 17/06/2005.

Event Organization

- 2007- Organizer of: *Lectiones Commandinianae*
(<https://sites.google.com/site/lectionescommandinianae/>)
- 2024 *XXVII Summer School in Philosophy of Physics: Philosophy of Dark Energy*
(with E. Cinti, V. Fano, M. Sanchioni)
03-07 June, 2024, University of Urbino.
- 2023 *Cognitive Robo-Ethics*,
(with F. Bianchini and L. Damiano)
Symposium of AISC 2023, 19th Annual Conference of the Italian Association of Cognitive Sciences "Values and Cognition",
16th December 2023, Genoa.
- 2023 Workshop: *Formal Modeling of Ignorance*
(with Stefano Bonzio)
7-8 September, 2023, University of Urbino.
- 2023 *SILFS Triennial Conference*
(with Vincenzo Fano and Francesco Bianchini)
4-7 September, 2023, University of Urbino.
- 2022 *Social Robots as means of indirect influence*
Workshop of ICSR 2022 - *International Conference on Social Robotics*
(with Francesco Bianchini), December 13th 2022, Florence.
- 2022 *4th International Workshop on Cognition: Interdisciplinary Foundations, Models and Applications (CIFMA 2022)* parts of SEFM 2022,
27th September 2022, Berlin.

- 2022 *XXV Summer School in Philosophy of Physics: Dualities Between Physics and Philosophy* (with E. Cinti, V. Fano, M. Sanchioni) 06-11 June 2022, University of Urbino.
- 2021 *3rd International Workshop on Cognition: Interdisciplinary Foundations, Models and Applications* (CIFMA 2021) parts of SEFM 2021, 6th December 2020, ONLINE
- 2021 *XXIV Summer School in Philosophy of Physics: Black Holes and the Information Loss Paradox* (con E. Cinti, V. Fano, M. Sanchioni) 07-10 Giugno, 2021, Università di Urbino.
- 2020 *2nd International Workshop on Cognition: Interdisciplinary Foundations, Models and Applications* (CIFMA 2020) parts of SEFM 2020, (with P. Quaresma) 14th September 2010, Centrum Wiskunde & Informatica (CWI), Amsterdam.
- 2020 *XXIII Summer School in Philosophy of Physics: Philosophy of Quantum Computation* (with V. Fano, G. Macchia and M. Tagliaferri) 15-18 June, 2020, University of Urbino.
- 2019 Workshop “*Experimental and Integrative Approaches to Robo-ethics*” (EIAR 2019), parts of ICSR 2019, (with F. Bianchini, E. Datteri, and Luisa Damiano) 29 November, 2019 Madrid.
- 2019 *XXII Summer School in Philosophy of Physics: Philosophy of Cosmology* (with V. Fano and G. Macchia), 17-20 June, 2019, University of Urbino.
- 2019 *4th SILFS Postgraduate Conference* (with F. Bianchini, V. Fano, M. Giunti, R. Giuntini and G. Sergioli) 3-7 June, 2019, University of Urbino
- 2018 *XXI Summer School in Philosophy of Physics: Philosophy of Quantum Field Theory* (with V. Fano, C. Calosi, G. Macchia and G. Valente) 10-13 July, 2018, University of Urbino.
- 2017 *XX Summer School in Philosophy of Physics: Spacetime and Quantum Physics* (with V. Fano and C. Calosi) 10-13 July, 2017, University of Urbino.

- 2017 *Proof Theory Afternoon*
(with M. Piazza)
11 April, 2017, University of Chieti-Pescara.
- 2016 *XIX Summer School in Philosophy of Physics:
Many-Worlds Interpretations, Quantum mechanics, metaphysics and
cosmology*
(with V. Fano and C. Calosi)
05-09 Settembre 2016, Cesena-Urbino.
- 2016 *3rd SILFS Postgraduate Conference*
(with G. Corsi, V. Fano, R. Giuntini, and E. Orlandelli)
30, 31 May, 1 June 2016, University of Urbino.
- 2016 *FilMat 2016: Philosophy of mathematics: truth, existence, and explanation*
(with M. Piazza and G. Pulcini)
26, 27, 28 May, 2016, University of Chieti-Pescara.
- 2015 *Indagine sulle leggi del pensiero. In occasione dei 200 anni dalla nascita di
George Boole*
(with C. Casadio and M. Piazza)
30 October, 2015, University of Chieti-Pescara.
- 2015 *XVIII Summer School in Philosophy of Physics:
Einstein Philosopher-Scientist. A celebration for 100 years of General Theory
of Relativity*
(with C. Calosi and V. Fano)
07-12 Settembre 2015, Cesena-Urbino.
- 2014 *XVII Summer School in Philosophy of Physics:
Geometry and Physics,*
(with C. Calosi, V. Fano, and G. Tarozzi)
15-19 September 2014, Cesena.
- 2013 *Archimede nel Rinascimento,*
(with G. Tarozzi P. Napolitani)
13-16 December 2013, Cesena e Urbino.
- 2013 *SILFS Postgraduate Conference,*
(with C. Calosi, V. Fano and G. Tarozzi)
29-31 May 2013, Urbino.
- 2012 *First Barcelona-Urbino Meeting: Perspectives on Science and Metaphysics*
(with C. Calosi and M. Alai)
2-3 November 2012, University of Urbino.
- 2012 *Congress of Académie Internationale de Philosophie des Sciences on The
Legacy of Alan M. Turing,*
(with G. Tarozzi, V. Fano and M. Alai)
25-27 September 2012, University of Urbino.

- 2012 *XV Summer School in Philosophy of Physics: La Natura dell'Artificiale*,
(with C. Calosi)
19-24 September 2012, Cesena.
- 2012 *Metafora e Argomentazione. Cagliari-Urbino Workshop*
(with F. Ervas and M. Sangoi)
Sponsored by University of Cagliari; by University of Urbino, by APhEx.
June 2012, University of Cagliari.
- 2012 *The relations between Quantum Physics and Statistics. Joint workshop between the Quantum History Group at the MPIWG (Berlin) and Synergia Research Group (Urbino)*
(with M. Badino and J. Renn)
11-12 April 2012, MPIWG Berlin.
- 2011 *XIV Scuola Estiva di Filosofia della Fisica: Oltre la fisica Normale.*
(with G. Tarozzi)
Sponsored by Centro Interuniversitario di Ricerca in Filosofia e Fondamenti della Fisica; by Centro Internazionale di Studi Interculturali di Semiotica e Morfologia; by Dipartimento di Filosofia dell'Università degli Studi di Urbino; by Società Italiana di Logica e Filosofia delle Scienze.
12-17 September 2011, Cesena.
- 2011 *Another world is possible. Conference on David Lewis*,
(with M. A. Marfori, F. Ervas, D. Santoro, V. Tripodi, S. Vaselli)
Sponsored by AphEx; by SIFA; by Centro Interuniversitario di Ricerca in Filosofia e Fondamenti della Fisica; by Centro Internazionale di Studi Interculturali di Semiotica e Morfologia; by Dipartimento di Filosofia dell'Università degli Studi di Urbino; by Società Italiana di Logica e Filosofia delle Scienze.
16-18 June 2011, University of Urbino.
- 2010 *Open Problems in Philosophy of Sciences*,
(with M. Sangoi)
Sponsored by University of Urbino, Società Italiana di Logica e Filosofia delle Scienze, Cesena Municipality,
15-17 April 2010, Cesena.
- 2009 *Prospettive Filosofiche 2009: Ontologia*
(with C. Tatasciore and G. Grimaldi)
Sponsored by *Società Filosofica Italiana*, in cooperation with Istituto Italiano per gli Studi Filosofici, Francavilla al Mare (Italy),
Autumn 2009.
- 2006 *Prospettive Filosofiche 2006: Realismo*
(with C. Tatasciore and G. Grimaldi)
sponsored by *Società Filosofica Italiana*, in cooperation with Istituto Italiano per gli Studi Filosofici, Francavilla al Mare (Italy), Autumn 2006.

Participation in Projects

International Project

2020 Erasmus+ Project *One Block for Educational Credentials* (OBEC): KA2 Strategic Partnership 2020-1-SE01-KA204-077803 (01/10/2020 - 30/09/2022).
Technician and Lecturer during the testing phase of the project,
Member of the University of Urbino Unit.

National Projects

2023 PRIN 2022
Developing Kleene Logics and their Applications (DeKLA)
Member of the University of Urbino Unit.

2023 POT 2023-2025
“Universities, schools, and territory in a network for tangible and intangible cultural heritage: participation, inclusion, valorization”
Member of the University of Urbino Unit.

2021 PANN20_00029
“Alle radici dell’umanesimo scientifico. Valorizzazione con le tecnologie della realtà virtuale aumentata delle macchine rappresentate nelle formelle del Palazzo Ducale di Urbino”.
Member of the University of Urbino Unit.

2021 POT 2019-2020
“Oltre le due culture: Per un dialogo interdisciplinare fra logica, filosofia e scienze della comunicazione. Seconda fase.”
Member of the University of Urbino Unit.

2019 PRIN (Research Projects of National Interest) 2017
“The Manifest Image and The Scientific Image”,
(01/08/2019-31/08/2021)
Member of (Postdoctoral Fellowship funded by) the University of Chieti-Pescara Unit.

2019 POT 2017-2018
“Oltre le due culture: Per un dialogo interdisciplinare fra logica, filosofia e scienze della comunicazione.”
Member of the University of Urbino Unit.

2014 PRIN (Research Projects of National Interest) 2012
“Models and inferences in science. Logical, Epistemological, and Cognitive Aspects”, (08/03/2014 – 08/09/2017)
Member of (Postdoctoral Fellowship funded by) the University of Chieti-Pescara Unit.

2011 PRIN (Research Projects of National Interest) 2009
"Mathematical Schools and National Identity in Modern and Contemporary Italy," (17/10/2011-17/04/2014)
Member of the University of Pisa Unit.

University of Urbino Research Projects

2024 Research Project, 2024
Dipartimento di Scienze Pure e Applicate
"Role and relevance of formal models in the analysis of social phenomena"
Scientific Coordinator: Pierluigi Graziani

2023-2025 Research Project 2023-2025
Department of Pure and Applied Sciences,
"Formal Logic and History of Science"
Scientific Coordinator: Vincenzo Fano(University of Urbino)

2022-2024 Research Project 2022-2024
Department of Pure and Applied Sciences,
"Epistemological and formal analyses of the concept of ignorance"
Scientific Coordinator: Pierluigi Graziani (University of Urbino)

2021-2023 Research Project 2021-2023
Department of Pure and Applied Sciences,
"A journey through data and interpretations. Understanding scientific practices to combat skepticism towards science."
Scientific Coordinator: Mario Alai (University of Urbino)

2020-2022 Research Project 2020-2022
Department of Pure and Applied Sciences,
"From the 'docta ignorantia' to the Dunning-Kruger effect. Ignorance analyzed from the logic and philosophy of science points of view"
Scientific Coordinator: Gino Tarozzi (University of Urbino)

2019-2021 Research Project 2019-2021
Department of Pure and Applied Sciences,
"Research on the compatibility between the scientific image and the manifested image of the world"
Scientific Coordinator: Vincenzo Fano (University of Urbino)

2018-2020 Research Project 2018-2020
Department of Pure and Applied Sciences,
"Are metaphysical principles really meaningless? A proposal for the characterization of philosophical propositions"
Scientific Coordinator: Gino Tarozzi (University of Urbino)

- 2017-2019 Research Projects 2017-2019
Department of Pure and Applied Sciences,
“Realism and Ontological Impact of Scientific Theories”
Scientific Coordinator: Mario Alai (University of Urbino)
- 2015-2017 Research Project 2015-2017
Department of Pure and Applied Sciences,
“Formal models for complex systems: semantics, properties, and
verification techniques”
Scientific Coordinator: Alessandro Aldini (University of Urbino)

Scholarship and Prize

- 2001 “Lanciano and Sulmona Bank”, scholarship.
- 1996 “Ennio Flaiano Poetry Prize”, 2nd place.

Services to Profession

Editorial Boards

Associate Editor: Foundations of Science

URL: <<https://link.springer.com/journal/10699>>.

Editor in Chief: *Isonomia - Epistemologica*

URL: <<http://isonomia.uniurb.it/epistemologica>>.

Editor, “Letture Critiche” section: *AphEx*

URL: <www.aphex.it>.

Member of the editorial board of “*Nuova Lettera Matematica*”

URL: <https://www.unipapress.it/it/category/nuova-lettera-matematica_98/>

URL: <<https://www.nuovaletteramatematica.it/>>

Review Editor per *Theoretical and Philosophical Psychology*, *Frontiers in Psychology* 2021-2023

URL: <<https://www.frontiersin.org/journals/psychology/sections/theoretical-and-philosophical-psychology>>

Refereeing

Expert Review for National Science Center, Ministry of Science and Higher Education, Poland (2022).

Expert Review for National Science Center, Ministry of Science and Higher Education, Poland (2014).

Reviewer for (journals): *Argumenta*; *APhEx*; *Foundations of Physics*; *Frontiers in Psychology*, *Isonomia*; *Journal of Social Robotics*; *Logic Journal of the IGPL*; *Nuova Lettera Matematica*; *Paradigmi*; *Philosophical Inquiries*, *Philosophia Scientiae*; *Synthese*; *Studia Philosophica*; *TOPOI*.

Reviewer for (book series): *Boston Studies in the History and Philosophy of Science*, Springer; *Logic, Epistemology and the Unity of Sciences*, Springer; *SAPERRE series*, Springer; *Studies in History and Philosophy of Science*, Springer;

Membership in Scholarly Associations

- Italian Society for Logic and Philosophy of Science (www.silfs.it)
- Italian Philosophical Society (www.sfi.it)
- The Proof Society (<https://www.proofsociety.org/>)
- Game Science Research Center (<https://gamescience.imtlucca.it/>)
- Association for the Philosophy of Mathematical Practice (<http://www.philmathpractice.org/>)

Member of juries

- | | |
|------|---|
| 2024 | Coordinator of the Evaluation Committee for the 'Ettore Casari' Prize for Logic 2024
URL: < https://www.silfs.it/_provvisorio/wp-content/uploads/2024/03/Premio-Casari_2024.docx-1.pdf >. |
| 2020 | Member of the Evaluation Committee for the 'Ettore Casari' Prize for Logic 2020
URL: < https://www.silfs.it/prizes/ettore-casari-logic-prize-2020/ >. |
| 2020 | Member of the Evaluating Committee for the Mauro Orsi Prize for the best master's thesis in Philosophy of Information, curriculum Linguaggi della Rete, University of Urbino, on the topic "knowledge and enterprise. |
| 2018 | Member of the Evaluating Committee at the Philosophy Olympiad, provincial selections, Abruzzo. |
| 2015 | Member of the Evaluating Committee at the Philosophy Olympiad, provincial selections, Abruzzo. |

Coordination of research groups

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| 2013- | Coordination of the Research Group "Archimedes in the Renaissance",
URL: < https://archimedeneirinascimento.uniurb.it/ >. |
| 2007- | Coordination of the SYNERGIA Research Group of the University of Urbino
URL: < https://sites.google.com/a/uniurb.it/synergia >. |

Thesis Supervising

- Antonio Guarini (2025) "*Una logica per il malfunzionamento*" [MA].
- Alice Sara Rovinelli (2025) "*Recruitment Gamification: Quando Il Processo di Selezione Diventa un Gioco*" [MA].
- Raffaella Curcio (2025) "*Il Diritto All'oblio: Essere Dimenticati nell'Era Digitale*" [MA].
- Federica Sasso (2024), "*Il concetto di onniscienza: un'analisi tra filosofia, logica e computer science*" [MA].
- Gianmarco Giovagnoli (2024), "*AI Generativa al sostegno del Wellbeing*" [MA].
- Alessio Cerulli (2023), "*Un'analisi critica della psicologia del senso comune*" [MA].
- Elisa Lazzarini (2023), "*Definire la segretezza: verso un modello formale*" [MA].
- Vittoria Muscetti (2023), "*Riflessioni sulle soft skills ai tempi dell'intelligenza artificiale*" [MA].
- Antonio Musumeci (2023), "*Riflessioni sulle bolle di filtraggio, camere d'eco e polarizzazione*" [MA].
- Simona Ottaviani (2023), "*Sviluppo tecnologico e innovazione sostenibile: potenzialità e sfide nell'era digitale*" [MA].
- Alessia Tomassini (2023), "*Alle origini delle macchine logiche*" [MA].
- Chiara Ricchiuto (2022), "*Etica dell'intelligenza artificiale e degli algoritmi*" [MA].
- Lucienne Huby (2022), "*Riflessioni storiche sullo sviluppo delle memorie semantiche*" [MA].
- Laura Fanelli (2022), "*Analisi del concetto di ignoranza*" [MA].
- Vittorio Carvutto (2021), "*Tra il virtuale e il reale: riflessioni filosofiche sulla realtà virtuale*" [MA].
- Maria Raffa (2020), "*Dimostrazione e dimostrare. Prospettive storiche, didattiche, cognitive e tecnologiche*" [MA].
- Priscilla Fabbri (2020), "*Delusion*" [MA].
- Giorgia Russo (2020), "*Disgusto. Alcune riflessioni sul suo significato e sul suo ruolo*" [MA].
- Antonio Napoletano (2019), "*Epistemologia della simulazione. Il caso studio del cambiamento climatico*" [MA].
- Stefano Nicoletti (2019), "*I fondamenti della computer virology e il problema della viral detection*" [MA].
- Marco Pertosa (2019), "*Epistemologia della misurazione*" [MA].
- Beatrice Bergantili (2018), "*Intelligenza artificiale per le risorse umane: la rivoluzione dei chatterbot di reclutamento*". [MA].
- Giulia di Muzio (2018), "*Emozioni Artificiali*" [MA].
- Giulia Di Muzio (2016), "*Lo strano caso dell'Uncanny Valley*" [BA].
- Francesco Angelillo (2014), "*Alcune note sul Natural Computing*" [BA].
- Laura Pezzi (2014), "*Note sulla filosofia della pratica matematica*" [BA].
- Mirko Tagliaferri (2013), "*Note sull'Omega Regola*" [BA].
- Stefania Cenci (2013), "*Note sulle logiche temporali e loro aspetti computazionali*" [BA].
- Gianluca Curzi (2013), "*Sulla natura definitoria della Tesi di Church-Turing*" [BA].
- Stefano Marini (2011), "*Alcuni principi dell'Intuizionismo*" [BA].

Urbino, 27/09/2025

In Fede

