

LUCA ZANETTI

Ricercatore a tempo determinato (Rtd-A)

Scuola Universitaria Superiore IUSS Pavia, Piazza della Vittoria, 15, 27100 Pavia (Pavia), Italy
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ASN - National Scientific Habilitation: Associate Professor (11/C2), Logic and Philosophy of Science (12/2023-12/2033)

APPOINTMENTS

Ricercatore a tempo determinato PNRR (RTd-A) Pavia, Italy
Scuola Universitaria Superiore IUSS Pavia Oct 2022 –

- Project: *Normative Uncertainty: Epistemology, Rationality, Decisions*, founded by DM 737 PNRR
- Teaching: Epistemology of Uncertainty (2022/23), Imprecise Credences (2023/2024), Epistemology and Philosophy of Risk (2024/25)
- Adjunct professor of Philosophy of Technology b (University of Bergamo), Risk and Uncertainty in Decision-Making Processes (University of Bergamo), Ethics and Philosophy of Technology (B.Med., University of Pavia), Critical Thinking and Digital Ethics (Bocconi University)

Postdoc Milano, Italy
Politecnico di Milano May 2021 – Sept 2022

- Postdoctoral Researcher, Dept. of Civil and Environmental Engineering (DICA). Project: Epistemology and Ethics of Risk (coordinators: Lorenza Petrini, Daniele Chiffi)
- Adjunct Professor of Social Impact, Risk and Responsibility of Technology and Engineering, School of Civil, Environmental, and Land Engineering (ICAT)
- Member of the inter-departmental Study Group Social Sciences and Humanities for Technology and Engineering (META)
- TA, Dept. of Architecture and Urban Studies: 2.02.2021-16.07.2021. Courses: Critical Thinking, Ethics for Technology

Postdoc Pavia, Italy
Scuola Universitaria Superiore IUSS Pavia Oct 2019 – May 2021

- Postdoctoral Researcher (01.10.2019-30.09.2020), Dept. of Humanities and Life Sciences, Project: The Basis of Mathematical Knowledge: Definitions, Abstraction, and Grounding (coordinator: Andrea Sereni)
- Research Fellow (01.11.2020-15.05.2021), Dept. of Humanities and Life Sciences. Project: Limits and Perspectives of Abstractionism in the Philosophy of Mathematics
- Member of the IUSS Center for Neurocognition, Epistemology, and theoretical Syntax (NEtS)

Education

PhD, Cognitive Neuroscience and Philosophy of Mind 2019
Scuola Universitaria Superiore IUSS Pavia, Pavia, Italy / Vita-Salute San Raffaele University, Milan
Dissertation: *Abstraction and Conceptual Grounding: A Defence of Lightweight Aristotelianism in the Philosophy of Mathematics*. Supervisor: A. Sereni. Committee: Øystein Linnebo (reviewer), Massimiliano Carrara (reviewer, discussant), Francesca Boccuni (discussant). Marks: Excellent, *cum laude*.

Master, Analytic Philosophy (APhil) 2015
University of Barcelona (Spain) / Universitat Autònoma de Barcelona, Universitat Pompeu Fabra, University of Girona

Thesis (on Temporal Logic): *The Thin Red Line Defended Some More*. Supervisor: Sven Rosenkranz; discussant: Pepe Martinèz.
Grade: 9.2 (Excellent)

MA, Philosophy

2015

San Raffaele University, Milan

Thesis (in Epistemology and Philosophy of Mathematics): *Saving Hume's Principle from Bad Companions*. Supervisor: Andrea Sereni

Grade: 110/110 *cum laude*

BA, Philosophy [completed in two years]

2013

San Raffaele University, Milan

Thesis (in Philosophy of Mind): *Gareth Evans: Philosophy of Thought*. Supervisor: Michele Di Francesco

Grade: 110/110 *cum laude*

High School (Diploma di maturità classica), Istituto Superiore Balbo, Casale Monferrato

2010

100/100 *e lode*

Visitings

- 24/06/2024-14/07/2024: Dept. of Philosophy, University of Bayreuth, Germany. Sponsor: Johanna Thoma.
- 15/04/2024-21/04/2024: Dept. of Philosophy, University of Stirling, to work with Philip Ebert.
- 18/05/2023-17/08/2023: Center for Philosophy and the Sciences (CPS), University of Oslo, Norway. Sponsors: Øystein Linnebo, Anders Strand. Awarded a ConceptLab Visiting Fellowship, 75000 NOK.
- 18/05/2023-17/08/2023: Center for Philosophy and the Sciences (CPS), University of Oslo, Norway. Sponsors: Øystein Linnebo, Anders Strand. Awarded a ConceptLab Visiting Fellowship, 75000 NOK.
- 01/07/2022-31/12/2022: Center for Philosophy of Natural and Social Sciences (CPNSS), London School of Economics and Political Sciences (LSE). Sponsor: Richard Bradley.
- 01/01/2019-01/03/2019: ConceptLab, University of Oslo. Awarded a ConceptLab Collaborative Visiting Fellowship, 20000 NOK.
- 01/09/2018-30/09/2018: Dept. of Linguistics and Philosophy, Massachusetts Institute of Philosophy (MIT), Boston, MA, US. Supervisor: Agustín Rayo.
- 01/03/2018-01/05/2018: Dept. of Classics, Philosophy, History of Art and Ideas (IFIKK), University of Oslo, Norway. Supervisor: Øystein Linnebo.

Awards

- SILFS Best Presentation prize, awarded to the best paper presented in the panel of General Philosophy of Science at the
- Juan de la Cierva-formation postdoctoral fellowship, 2021-23, University of Barcelona. Sponsor: Pepe Martínéz, *declined*.
- SIFA Young Scholar Prize (2018), awarded for the best abstract submitted to the 13th Conference of the Italian Society for Analytic Philosophy (SIFA)

Publications

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Books

Abstractionism (with Francesca Boccuni), Elements Series in the Philosophy of Mathematics, Cambridge University Press (under contract)

Articles

1. “Confidence in Probabilistic Risk Assessment”, forthcoming in *Philosophy of Science* (2023)
2. “A Fusion of Horizontals” (with Francesco Bellucci and Daniele Chiffi), *Theoria*, 89, 5: 690-709
3. “Epistemic and Non-Epistemic Values in Earthquake Engineering” (with Daniele Chiffi and Lorenza Petrini), *Sci Eng Ethics* 29, 18 (2023)
4. “Philosophical Aspects of Probabilistic Seismic Hazard Analysis” (with Daniele Chiffi and Lorenza Petrini), *Natural Hazards*. 117: 193–1212 (2023)
5. “Types of Technological Innovation in the Face of Uncertainty” (with Daniele Chiffi and Stefano Moroni), *Philosophy & Technology* 35, 94 (2022)
6. “Minimalism, Trivialism, Aristotelianism” (with Andrea Sereni), *Theoria*, 89, 3: 280-297 (2022)
7. “Cantor’s Abstractionism and Hume’s Principle” (with Claudio Ternullo), *History and Philosophy of Logic* 43(3): 284–300 (2021)
8. “For Better and for Worse: Abstractionism, Good Company and Pluralism” (with Andrea Sereni and Maria Paola Sforza Fogliani), *The Review of Symbolic Logic* 16(1): 268 - 297 (2021)
9. “Abstraction without Exceptions”, *Philosophical Studies*, 178 (10), 3197-3216 (2021)
10. “Grounding and auto-abstraction”, *Synthese* 198,10187–10205 (2020)
11. “On the Schwartzkopff-Rosen Principle” (with Ciro de Florio), *Philosophia*, 48, 405–419 (2020)

Book chapters

1. "The Use of Experts in Probabilistic Seismic Hazard Analysis: Towards a Confidence Approach"(with Lorenza Petrini and Daniele Chiffi), in V. Fano, P. Graziani, F. Bianchi (Eds.= *Current Topics in Logic and the Philosophy of Science*. College Publications (forthcoming)
2. “Thinking About Innovation: The Case of Autonomous Vehicles” (with Daniele Chiffi), in F. Fossa, F. Cheli (Eds.). *Connected and Automated Vehicles: Integrating Engineering and Ethics*. Springer (2023)
3. “Aristotle’s Problem”. In G. Oliveri, C. Ternullo, S. Boscolo (Eds), *Objects, Structures, and Logics*. Springer. pp. 17-29 (2022).

Editorships

Guest Editor (with Massimiliano Carrara), Special Issue of *Theoria: A Swedish Journal of Philosophy* on Thin Objects, contains an introduction by the Editors (“Thin Objects: An overview”, pp. 239-246) and 11 papers (including two papers by Øystein Linnebo). *Theoria*, 89(3), link: <https://onlinelibrary.wiley.com/toc/17552567/89/3>

Presentations (starred are invited)

1. “Entitlement, Bad Company, and the Epistemology of Abstraction”, Workshop Abstract Objects: From Explanation to Existence, Santiago de Compostela, 21.01.2016

2. “Abstraction and Grounding”, XII Conference of the Italian Society for Analytic Philosophy (SIFA), Pistoia, 07.09.2016
3. “Foundations for Conceptual Grounding”, International Conference Grounding Grounding, Alghero, 27.10.2016
4. * “On the Foundations of Arithmetic” (with Ciro de Florio), OntoForMat Seminar, State University of Milan, 20.05.2017
5. “The Less I Know the Better? Bad Company in the Philosophy of Logic and Mathematics”, Triennial International Conference of the Italian Society for Logic and the Philosophy of Science (SILFS), Bologna, 21.06.2017
6. “On the Foundations of Arithmetic”, Masterclass in Theoretical Philosophy with Jonathan Schaffer, Tübingen, 21.07.2017
7. “Grounds by T-biconditionals”, Ninth European Congress of Analytic Philosophy (ECAP 9), LMU Munich, 21/08/2017
8. “Grounds by T-biconditionals and the Like”, Salzburg Conference for Young Analytic Philosophy (SOPhA), 13.09.2017
9. “What Was Frege’s Ideal of Dependence?”, 3rd International conference of the Italian Network for the Philosophy of Mathematics (FilMat), Mussomeli, 28.05.2018
10. * “Grounds by T-biconditionals”, Mini-Workshop on Grounding, Oslo, 30.05.2018
11. “For Better and for Worse: Abstractionism, Good Company, and Pluralism” (with Maria Paola Sforza Fogliani), Workshop Varieties of Mathematical Abstraction, Vienna, 01.08.2018
12. “Grounding and auto-abstraction”, FilMat Symposium on Abstractionism, 13th Conference of the Italian Society for Analytic Philosophy (SIFA), Novara, 05.09.2018
13. “Minimalism, Trivialism, and Aristotelianism” (with Andrea Sereni), 13th Conference of the Italian Society for Analytic Philosophy (SIFA), Novara, 05.09.2018
14. “‘Just Is’ isn’t just ‘Is’”, 13th Conference of the Italian Society for Analytic Philosophy (SIFA), Novara, 07.09.2018
15. * “Pluralism about Abstraction”, Formal Concepts Seminar, Oslo, 13.02.2019
16. * “Nothing Exceptional About Abstraction” (with Andrea Sereni and Maria Paola Sforza Fogliani), Anti-Exceptionalism and Pluralisms Conference, School for Advanced Studies IUSS Pavia, 09.03.2019
17. “A Roundabout Ticket to Pluralism” (with Andrea Sereni and Maria Paola Sforza Fogliani) First Annual Conference of The Middle East Society for Analytic Philosophy (MESAP) Pluralism, Relativism and Skepticism, The American University in Cairo, 20.03.2019
18. “From Bolzano to Frege: A Cantorian Path” (with Claudio Ternullo) SILFS Post Grad Conference, Urbino, 05.06.2019
19. “Supervenience and HP”, FINO Grad Conference Contemporary Issues Across Ethics and Epistemology, Università di Pavia, 24.06.2019
20. “Abstraction and Grounding”, FilMat Grad Conference Philosophy of mathematics: logic, language and methodology, San Raffaele University, 18.07.2019
21. “For Better and for Worse: Abstractionism, Good Company, and Pluralism” (with Andrea Sereni and Maria Paola Sforza Fogliani), 16th International Congress of Logic, Methodology and Philosophy of Science and Technology (CLMPST), Prague, 07.08.2019
22. “Modelling Minimalism and Trivialism in the Philosophy of Mathematics Through a Notion of Conceptual Grounding” (with Andrea Sereni), 16th International Congress of Logic, Methodology and Philosophy of Science and Technology (CLMPST), Prague, 09.08.2019
23. “Open Texture and Logic”, Workshop Philosophy, Logic, and Analytical Metaphysics (FILOMENA), Bergen, 16.10.2019
24. * “Minimalism, Trivialism, and Aristotelianism” (with Andrea Sereni), Workshop on Thin Objects, Università di Padova, 18.10.2019

25. * “Cantor’s Abstractionism and Hume’s Principle” (with Claudio Ternullo), Logic and Philosophy of Mathematics Seminar, Campinas, 16.07.2020
26. “Cardinality and Vagueness” (with Andrea Sereni and Maria Paola Sforza Fogliani), Tenth European Congress of Analytic Philosophy (ECAP 10), Utrecht, 24.08.2020
27. * “How to Hamlet a Caesar” (with Francesca Boccuni), CRESA Seminar, Università Vita-Salute San Raffaele, 04.11.2020
28. * “How to Hamlet a Caesar” (with Francesca Boccuni), Science&More Talks, University of Turin, 24.02.2021
29. * “How to Hamlet a Caesar” (with Francesca Boccuni), Synergia Seminars, Urbino, 30.03.2021
30. * “How to Hamlet a Caesar” (with Francesca Boccuni), IUSS Philosophy Seminars, 11.05.2021
31. “Cardinality and Vagueness” (with Andrea Sereni and Maria Paola Sforza Fogliani), SIFA Conference, 22.09.2021
32. “How to Hamlet a Caesar” (with Francesca Boccuni), SIFA Conference, 24.09.2021
33. * “Philosophical Aspects of Probabilistic Seismic Hazard Analysis”, Science&More Talks, University of Torino, 19.01.2022
34. “Philosophical Aspects of Probabilistic Seismic Hazard Analysis”, META WIP Seminar, Politecnico di Milano, 16.02.2022
35. “Ensemble Modelling and Credibility”, SILFS Graduate Conference, Milano Bicocca, 13-18.06.2022 (awarded SILFS Best Presentation Prize).
36. “The Adoption Problem and Computability”, Joint Session of the Aristotelian Society & Mind Association, 09.07.2022.
37. “Is Hume’s Principle Analytic?”, 4th FilMat Conference, Pavia, 29.09.2022/01.10.2022.
38. ““Confidence in Probabilistic Risk Analysis”, Varieties of Risk Seminar, Edinburgh, 11.10.2022
39. “The Adoption Problem and Computability”, Logic Seminar, King’s College London, 09.11.2022
40. “Normative Uncertainty and Model Risks”, Workshop Risk Aversion and Normative Uncertainty, University of Stirling , 23.03.2023
41. “Groundwork for Arithmetic”, Infinity& Intensionality Seminars, University of Oslo, 17.06.2023
42. “Pluralism about Criteria”(with A. Sereni and M.P. Sforza Fogliani), Logic Colloquium, University of Milan
43. “The Use of Experts in Probabilistic Risk Assessment: A Confidence Approach”, SILFS Triennial Conference, University of Urbino, 5.09.2023
44. “Philosophical Aspects of Probabilistic Seismic Hazard Analysis” (with L. petrini and D. Chiffi), 2nd Joint Workshop IUSS pavia/Politecnico di Milano *Risk, Uncertainty and Values*, IUSS Pavia, 28.11.2023
45. “Moral Uncertainty and Ambiguity Aversion”, Research Center of Applied and Experimental Epistemology (CRESA), San Raffaele University, 16/04/2024
46. “Risk as Intersubjective Probability”, Workshop Modelling Uncertainty Between Logic and Epistemology, Università del Piemonte Orientale, Vercelli, 24/05/2023
47. “Existential Catastrophic Risk with Non-Standard Measures” (with Federico Faroldi), Formal Ethics Conference, Greifswald, 15-17/07/2024 (cancelled)
48. “Cost-Benefit Analysis, Incommensurability, and Imprecise Utilities” (with Malvina Ongaro), Conference of the European Network for the Philosophy of the Social Sciences (ENPOSS), Bergen, 28-30/08/2024
49. “Formal Models of Existential Risks” (with Federico Faroldi), IUSS Pavia-University of Pavia Workshop *Risk, Harm and Freedom*, Pavia, 10.10.2024

Teaching

1. Critical Thinking (undergrad), Bocconi University, Milan. 16 hours (x 2)
2. Epistemology and Philosophy of Uncertainty (undergrad), IUSS Pavia. 25 h.
3. Ethics and Philosophy of Technology (co-taught with Giulia Piredda), Master MEET – Medicine Enhanced by Engineering Technologies, University of Pavia. 24 hours. Taught module B: Science Without Values? The contemporary debate on inductive risk in philosophy of science (16 hours)
4. Philosophy of Technology (co-taught with Giulia Piredda), MA Philosophical Knowledge, University of Bergamo, 36 hours. Taught module B: Existential risk (18 hours)
5. Risk and Uncertainty in Decision-making Processes (co-taught with Nicola Canessa), MA Philosophical Knowledge, University of Bergamo, 24 hours. Taught part B: Decision theory (12 hours)
6. Risk, Uncertainty and Value (co-taught with Francesco Guala), PhD program HuME – Human Mind and its Understanding, University of Milan, 10 hours
7. Ethics and Philosophy of Technology (co-taught with Giulia Piredda), PhD program HADRON – Risk and complexity in high tech medical innovation, IUSS Pavia, 10 hours. Taught module B: Philosophy of Risk Analysis

2023-24

1. Imprecise credences, (undergrad), IUSS Pavia, 25 hours. Student evaluation: 10/10
2. Philosophy of Technology (co-taught with Giulia Piredda), MA Philosophical Knowledge, University of Bergamo, 36 hours. Taught module B: Existential risk (18 hours)
3. Risk and Uncertainty in Decision-making Processes (co-taught with Nicola Canessa), MA Philosophical Knowledge, University of Bergamo, 24 hours. Taught part B: Decision theory (12 hours)
4. Ethics and Philosophy of Technology (co-taught with Giulia Piredda), Master MEET – Medicine Enhanced by Engineering Technologies, University of Pavia. 24 hours. Taught module B: Science Without Values? The contemporary debate on inductive risk in philosophy of science (8 hours)

2022-23

1. Epistemology and Uncertainty, (undergrad), IUSS Pavia. Student evaluation: 9.67/10
2. Social Impact, Risk and Responsibility of Technology and Engineering (MSc Civil Engineering), School of Civil, Environmental and Land Engineering (ICAT), Politecnico di Milano, 42 hours

2021-22

1. Social Impact, Risk and Responsibility of Technology and Engineering (MSc Civil Engineering), School of Civil, Environmental and Land Engineering (ICAT), Politecnico di Milano, 42 hours

Supervisions

1. F. Lippolis. Thesis in digital ethics (exp. 2025). Master's in Philosophy, University of Bergamo.
2. F. Di Betta, Diploma in Humanities, School for Advanced Studies IUSS Pavia (exp. 2024). Thesis on reflection principles; co-supervisor: Bernhard Salow (Oxford)
3. (co-supervisor) A. Guerra, PhD in Philosophy, University of Milan (exp. 2027). Thesis: *Communicating Climate Risks* (provisional title); main supervisor: Francesco Guala (University of Milan)

- (co-supervisor) A. Guerra, MA Philosophy, San Raffaele University, Milan (exp. 2024). Thesis on moral uncertainty; main supervisor: Sarah Songhorian (San Raffaele)

Organisation

Workshops and conferences

- IUSS Pavia-University of Pavia Workshop *Risk, Harm and Freedom*. IUSS Pavia, 10/10/2024
- 2nd Joint Workshop IUSS Pavia-Politecnico di Milano *Risk, Uncertainty and Values*. IUSS Pavia, 12/11/2023. 8 speakers, keynotes: V. Crupi (Torino), P. Ebert (Stirling)
- 1st Joint Workshop IUSS Pavia-Politecnico di Milano *Risk, Uncertainty and Decisions*. IUSS Pavia, 21/10/2022. 7 speakers, keynote: S. Roeser (TU Delft)

Public engagement

- Early-Career Development Workshop (SeED) of the Italian Society for Analytic Philosophy, University of Bologna, 13-14 June 2024. 80+ participants (selected).

Misc.

Reviewer for *Australasian Journal of Philosophy* (1), *Philosophia Mathematica* (2), *Journal of Philosophical Research* (1), *British Journal for the Philosophy of Science* (1), *Review of Symbolic Logic* (1), *Erkenntnis* (2), *Synthese* (2), *Analysis* (1), *Dialectica* (1), *Theoria* (1), *Argumenta* (1).

Member of the steering committee of the Italian Society for Analytic Philosophy (SIFA), 2021-23 (elected), 2023-25 (elected); treasurer (2021-24, 2023-25)

Member of the Italian Society for Analytic Philosophy (SIFA, since 2016), Italian Society for Logic and Philosophy of Science (SILFS, since 2022), Italian Network for the Philosophy of Mathematics (FilMat, since 2018), and European Society for the Philosophy of Mathematics (ESPM, since 2022)