Leonardo Ceragioli

Email: leo.crg.uni@gmail.com
Email: leonardo.ceragioli@unimi.it
URL: https://leonardocera.netlify.app/
Academic website

Born: March 23, 1990—Viareggio, Italy
Nationality: Italian

Current Position

1/11/2024–30/10/2025	Postdoc research position under the supervision of prof. Giuseppe Primiero, dep. of Philosophy, University of Milan, within the PRIN project *SMARTEST: Simulation of Probabilistic Systems for the Age of the Digital Twin*

Areas of specialisation

Logic; Proof Theory; Proof-Theoretic Semantics; Intuition; Disagreement in Logic

Appointments held (Academic)

15/02/2024–15/10/2024	Postdoc research position *"purity and simplicity of mathematical proofs"* under the supervision of prof. Gabriele Pulcini, dep. of Literary, Philosophical and Art History Studies, University of Rome Tor Vergata, within the PRIN project *PUMa: Proof and Understanding in Mathematics*
16/07/2021–16/09/2021	*Research job "ricerche bibliografiche e preparazione cornice teorica all'interno della quale organizzare eventi sul tema: il "Pluralismo logico" e la possibilità di un dialogo tra logiche formali differenti"* within the framework of "Nuove sfide per l'etica applicata", University of Pisa
1/07/2019–31/12/2019	*Six months research scholarship "Possibilità e limiti dell'approccio pluralista per la trattazione del disaccordo in logica"* within the framework of PRA_2018_6 "Etica, scienza, democrazia", University of Pisa

Appointments held (Non Academic)

3/10/2020–30/06/2021	Assistant Teacher for Istituto di Istruzione Superiore "Galilei-Artiglio" at Viareggio.
10/10/2021–30/06/2022	Assistant Teacher for Istituto di Istruzione Superiore "Carlo Piaggia" at Viareggio.
5/10/2022–30/06/2023	Assistant Teacher for Liceo Scientifico "Barsanti e Matteucci" at Viareggio.
6/10/2023–15/02/2024	Assistant Teacher for Liceo Scientifico "Michelangelo" at Forte dei Marmi.

Education

01/10/2016– 29/04/2020
Ph.D. in Philosophy earned *cum laude* at the Universities of Pisa and Florence (Title of the thesis: *Pluralism in Proof-Theoretic Semantics*).

21/11/2013– 30/09/2016
Master's degree in Philosophy earned *cum laude* at the University of Pisa (Title of the thesis: *Il pluralismo logico nelle prospettive realista e antirealista*).

02/08/2009– 20/11/2013
Bachelor's degree in Philosophy earned *cum laude* at the University of Pisa (Title of the thesis: *Le traduzioni tra derivazioni della deduzione naturale e del calcolo dei sequenti*).

Publications & Conferences

PAPERS IN JOURNALS

2025
Leonardo Ceragioli, "Inferential Semantic Contamination, Harmony and Realist Pollution", *Synthese* 205(123). DOI: https://doi.org/10.1007/s11229-024-04871-x

2023
Leonardo Ceragioli, "Bilateral Rules as Complex Rules", *Bulletin of the Section of Logic* 52(3), pp. 329–375. DOI: https://doi.org/10.18778/0138-0680.2023.13

2023
Leonardo Ceragioli and Valentina Luporini, "Intuition is not (always) immediate, and this is good news!", *Bulletin d'Analyse Phénoménologique* XIX Numéro 3 (Actes 13), pp. 180–204. Available at: https://popups.uliege.be/1782-2041/index.php?id=1402

2022
Leonardo Ceragioli, "Single-Assumption Systems in Proof-Theoretic Semantics", *Journal of Philosophical Logic* 51, pp. 1019–1054. DOI: https://doi.org/10.1007/s10992-022-09658-4

2022
Leonardo Ceragioli, "New problems for Tennant's definition of harmony", *Theoria* 88 (4), pp. 829–849. DOI: https://doi.org/10.1111/theo.12400

2019
Leonardo Ceragioli, "Peano's Counterexample to Harmony", *Theoria* 85 (6), pp. 459–484. DOI: https://doi.org/10.1111/theo.12217

CONTRIBUTIONS IN VOLUMES

2023
Leonardo Ceragioli, "Which Ecumenical System for Classical and Intuitionistic Logics?", in Bellotti, Moriconi e Turbanti (ed.) *Fifth Pisa Colloquium in Logic, Language and Epistemology*, Edizioni ETS.

2021
Leonardo Ceragioli, "Ex falso and proof-theoretic validity", in Bellotti e Turbanti (ed.) *Fourth Pisa Colloquium in Logic, Language and Epistemology*, Edizioni ETS.

Submitted Papers

Leonardo Ceragioli and Giuseppe Primiero, "Trustworthiness Preservation by Copies of Machine Learning Systems", International Journal of Approximate Reasoning (ArXiv: https://doi.org/10.48550/arXiv.2506.05203).

Work in Progress

Leonardo Ceragioli, "Interpolation theorem and the relation between Classical, Intuitionistic and Dual-Intuitionistic Logics"

Leonardo Ceragioli and Giuseppe Primiero, "A proof-theoretic approach to fairness"

Leonardo Ceragioli and Camillo Fiore, "Formula-formula sequent calculi for classical and (dual) intuitionistic logic"

Leonardo Ceragioli, Francesco Montesi, Antonio Piccolomini d'Aragona, "From semantics to rules and back: a survey of two strands in proof-theoretic semantics"

Leonardo Ceragioli, Proof-Theoretic Semantics, Meaning-Dependence and Pluralism (Book)

Non Academic Contributions

2023   Leonardo Ceragioli, "Il disaccordo in logica ", contribution for *Philosophie.ch* (*Swiss Portal of Philosophy*), available from: https://www.philosophie.ch/it/2023-03-20-ceragioli

Talks

2025e   1/7/2025 Talk with title "A Proof-Theoretic Approach to Individual and Counterfactual Fairness" given at the University of Milano for the BRIO – Bias, Risk and Opacity in AI, Final Research Meeting (joint work with Giuseppe Primiero, presented by me).

2025d   30/4/2025 Talk with title "A Proof-Theoretic Approach to Individual and Counterfactual Bias" given at the Carl Friedrich von Weizsäcker-Colloquium, University of Tübingen (joint work with Giuseppe Primiero, presented by me).

2025c   28/4/2025 Talk with title "Proof-Theoretic Semantics and Anti-Exceptionalism" given at the University of Tübingen for the Workshop Realism and anti-realism. Paradigms and research programmes in logic and the philosophy of mathematics.

2025b   24/4/2025 Talk with title "Sequent Calculi for Formula-Formula Inferentialism" given at the Scuola Normale Superiore of Pisa (joint work with Camillo Fiore, presented by Camillo Fiore).

2025a   10/4/2025 Talk with title, "From Trust Evaluation to Trust Preservation Over Copies for ML Systems" given at IUSS Pavia for the Workshop Trust & AI: Philosophical Perspectives and the philosophy of mathematics (joint work with Giuseppe Primiero, presented by Giuseppe Primiero).

2024d   13/12/2024 Talk with title "Formula-Formula Sequent Calculi for Classical and (Dual) Intuitionistic Logic" given for the III Workshop on Logic and Philosophy of Logic of the Argentinean

Society of Philosophical Analysis (SADAF)(joint work with Camillo Fiore, presented by Camillo Fiore).

2024c   28/11/2024 Talk with title "Verification of Trustworthiness for Non-Deterministic Computations and Their Copies" given at the University of Lisbon for the conference Of People and Code – Epistemological, Ontological, and Formal Approaches to AI (joint work with Giuseppe Primiero, presented by Giuseppe Primiero).

2024b   15/5/2024 Talk with title "Semantic Pollution for Modal and Classical Logic" given at the University of Florence.

2024a   30/4/2024 Talk with title "Semantic Pollution: Explicit, Implicit or Structural?" given at the Scuola Normale Superiore of Pisa.

2023   30/11/2023 Talk with title "Paradossi e revisione della logica: il caso sotto-strutturale" given at the University of Pisa for the conference La Filosofia Analitica Oggi.

2022b   6/05/2022 Talk with title "Intuition is not (always) immediate, and this is good news!" given together with Valentina Luporini (SNS/ univ. de Genève) at the University of Liège for the 16th Creph Annual Seminar 2022: Pick up your eyes: Mediated intuitions and evidence-producing devices.

2022a   18/03/2022 Talk with title "Meaning-Dependence and Weak Separability in Bilateral Systems" given at the Ruhr University Bochum for the conference Bilateralism and Proof-Theoretic Semantics.

2019c   18/07/2019 Talk with title "Peano's Counterexample to Harmony" given at the University Vita-Salute San Raffaele of Milan for the Second Graduate Conference of the Italian Network for the Philosophy of Mathematics.

2019b   24/06/2019 Talk with title "Normativity of Logic and Change of Subject" given at the University of Vienna for the '8th WFAP Graduate Conference (Logic Rulez!?).

2019a   30/05/2019 Talk with title "Is Logical Disagreement Possible in Inferentialism" given at the University of Bergen for the Early-career masterclass on Logical Epistemology.

Teaching Activities

2024   3-11/12/2024 Course with title "il disaccordo in logica" for the doctoral students at the University of Rome Tor Vergata.

2023   5/6/2023 Talk with title "Is Logic Epistemic?" at the University of Pisa for the student association Gavagai. Video available at the YouTube page of the association

2022   17/11/2022 Talk with title "Il disaccordo in logica: un'introduzione" at the University of Pisa for the student association Gavagai. Video available at the YouTube page of the association.

Organization Activities

2025   1-2/7/2025 member of the Organizing and Program Committee for the BRIO – Bias, Risk and Opacity in AI, Final Research Meeting

Languages:

Italian: native
English: fluent
French: basic
Latin: basic
C: basic
OCaml: basic

15/6/2025