

Elio La Rosa

Curriculum Vitae, October 2024

Contacts

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Positions

10/2020– **PhD Student**, *Ludwig-Maximilians-Universität*,
Supervised by Prof. Dr. Dr. Hannes Leitgeb and Dr. Norbert Gatzl.

Education

10/2016–03/2019 **M.A. in Logic and Philosophy of Science**, *Munich Center for Mathematical Philosophy (MCMP)*, *Ludwig-Maximilians-Universität*,
Final grade: 1.52. Thesis: *Sequent Calculi for HYPE's Logic and Model Theory*, supervised by Dr. Norbert Gatzl and Prof. Dr. Dr. Hannes Leitgeb.

10/2012–09/2015 **B.A. in Philosophy**, *Università degli Studi di Catania*,
Final grade: 110 cum laude. Thesis: *Cellular Automata: Formal and Emergent Properties*, supervised by Prof. Giovanni Camardi.

Research Interests

AoS Proof Theory, Epsilon Calculus, Modal and Hyperintensional Logics, Substructural Logics, Non-deterministic Semantics.

AoC Philosophy of Logic, Philosophy of Mathematics, General Philosophy of Science.

Publications

2024 'Patches, Patchworks, and Epsilon Terms: A Neo-Carnapian Account of Theoretical Terms in Science', with Matteo De Benedetto. *Journal of Philosophical Logic*.

2022 'Modular non-deterministic semantics for T, TB, S4, S5 and more', with Pawel Pawlowski. *Journal of Logic and Computation*, 32(1), 158–171.

2021 'Higher-level inferences in the strong-Kleene setting: A proof-theoretic approach', with Pablo Cobreros and Luca Tranchini, *Journal of Philosophical Logic*, 51, 1417–1452.

- 2021 '(I can't get no) *antisatisfaction*', with Pablo Cobreros and Luca Tranchini, *Synthese*, 198(9), 8251–8265.

Talks

Invited

- 20/03/2024 'Epsilon Modal Logics', *PACM \wedge N*, University of Verona.
 15/01/2024 'Epsilon Modal Logics', *World Logic Day in Vienna*, Central European University.
 07/11/2022 'Non-deterministic Connectives and Epsilon Modal Logic', *1st Workshop on Non-deterministic Semantics for Modal Logics*, Ruhr-Universität Bochum.
 13/08/2021 'Higher-level inferences in the Strong-Kleene setting: A proof-theoretic approach', *X Workshop on Philosophical Logic*, University of Buenos Aires (online).

Contributed

- 14/06/2024 'Epsilon Modal Logics', *Twelfth Scandinavian Logic Symposium*, Reykjavik University
 28/09/2023 'Epsilon Modal Logics', *MOSAIC Workshop 2023*, Technische Universität Wien.
 05/09/2023 'Epsilon Modal Logics', *SILFS 2023 Triennial International Conference*, University of Urbino.
 24/05/2023 'A New Substructural Logic: Classical logic', *PLEXUS Inaugural Conference*, Centre for Philosophy of Sciences of the University of Lisbon.
 13/09/2022 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', with Matteo De Benedetto, *Gesellschaft für Analytische Philosophie GAP.11*, Humboldt University of Berlin.
 20/07/2022 'First-order Strict-tolerant duality', *Trends in Logic XXII Workshop*, University of Cagliari (online).
 24/06/2022 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', with Matteo De Benedetto, *Hi-Phi International Conference*, Centre for Philosophy of Sciences of the University of Lisbon.
 13/06/2022 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', with Matteo De Benedetto, *5th SILFS Postgraduate Conference on Logic and Philosophy of Science*, University of Milano-Bicocca.
 25/11/2021 'Yes fellows, well-known modal logics are at most 8-valued', with Pawel Pawlowski, *Non-classical Modal and Predicate Logics 2021*, University of Bochum (online).
 09/09/2021 'A Nested Sequent Calculus for Quarc', with Edi Pavlovic, *Advances in the Quantified Argument Calculus*, Central European University (online).
 09/09/2021 'A labelled sequent calculus for HYPE', *PhDs in Logic XII*, FU Berlin (online).
 19/06/2021 'A labelled sequent calculus for HYPE', *Logical Perspectives 2021 Workshop*, Steklov International Mathematical Center (online).
 06/11/2020 'A Constructivist Reading of the Epsilon Calculus', with Mattia Petrolo, *12th French Philmath Workshop*, University of Lorraine (online).
 14/01/2020 'Informal provability logics', *Tribute to Kurt Gödel*, University of Brno.
 09/10/2019 'A labelled calculus for Dynamic Predicate Logic', *2nd DaLí Workshop. Dynamic Logic: New Trends and Applications*, Part of *Formal Methods 2019*, Porto.

Seminar

- 25/01/2024 'Epsilon Modal Logics', *Work in Progress Seminar*, MCMP.
- 20/11/2023 'From Carnap's Definition of Theoretical Terms to the Definition of Contexts of Evaluation, via Epsilon Modal Logics', *Logik Café*, Universität Wien.
- 17/04/2023 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', with Matteo De Benedetto, *Logik Café*, Universität Wien.
- 27/01/2022 'Indeterminate Connectives', *Colloquium in Mathematical Philosophy: Logic and Language*, MCMP (online).
- 04/06/2021 'Free ST!', *Work in Progress Seminar*, University of Buenos Aires (online).
- 14/05/2021 'Syntactic Cut elimination for Epsilon Calculus', *Logic Colloquium*, University of Tübingen (online).
- 21/10/2019 'Informal provability logics', *Logic Colloquium*, University of Tübingen.

Visiting and Schools

- 15–21/09/2024 Autumn School '[Proof and Computation](#)' in Fischbachau, Germany. Participation grant from organizers.
- 09/2023–03/2024 Research visit on the project '[From Carnap's Definition of Theoretical Terms to the Definition of Contexts of Evaluation](#)' at the Institute Vienna Circle, *Universität Wien*.
- 13–17/06/2022 '[Summer School on Truthmaker Semantics](#)', *University of Lugano*. Participation grant from MCMP.
- 23–29/06/2018 '[North American Summer School on Logic, Language and Information](#)', *Carnegie Mellon University*. Participation grant from organizers.
- 22–27/08/2017 Summer School '[Proof Theory in First-Order Logic](#)' of the Kurt Gödel Society, *University of Madeira*. Participation grant from organizers.
- 10/2017–07/2018 M.Sc. classes on Computational Logic, *Technische Universität Wien*.
- 22–26/05/2017 'Munich Philosophy Masterclass' with Graham Priest on Paraconsistent Logic and Dialetheism, *Ludwig-Maximilians-Universität*.
- 07–11/11/2016 Autumn School '[Linear Logic: Interaction, Proofs and Computation](#)', *ENS, University of Lyon 3*. Participation grant from organizers.
- 24–30/07/2016 '[Hilbert-Bernays Summer School on Logic and Computation](#)', *University of Göttingen*.
- 02–07/2016 M.A. classes on Logic and Foundations of Mathematics, *University of Bologna*.

Teaching

Teaching Assistant, MCMP, *Ludwig-Maximilians-Universität*:

- WiSe22, WiSe23, WiSe24 'Formal Methods I: Introduction to Logic', led by Norbert Gatzl. Compulsory course for the M.A. in Logic and Philosophy of Science. Tutoring and exercise sessions.
- SoSe23 'Structural Proof Theory', led by Norbert Gatzl. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring, exercise sessions and presentation of supplementary material.

- WiSe21 'Formal Methods I: Introduction to Logic', led by Martin Fischer. Compulsory course for the M.A. in Logic and Philosophy of Science. Tutoring, exercise sessions, presentation of supplementary material and exams correction.
- WiSe21 'Proof and Truth: an Introduction to Ordinal Analysis for Philosophers', led by Martin Fischer. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring, exercise sessions and presentation of supplementary material.
- WiSe20 'Set Theory, Model Theory, and their Philosophy', led by Lorenzo Rossi. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring and exercise sessions.

Contracts and Scholarships

- 10/2023–03/2024 **Visiting Fellowship**, *Institute Vienna Circle, Universität Wien*.
- 10/2021–02/2024 **Teaching assistant**, *Ludwig-Maximilians-Universität*, M.A. courses.
- 10/2021–03/2023 **Stipendium**, *Ruhr-Universität Bochum*.
- 06/2021–09/2021 **Project assistant**, *Technische Universität Wien*.
- 09/2020–01/2021 **Research assistant**, *Ludwig-Maximilians-Universität*.

Academic Service and Other Experiences

- Reviewer *Journal of Philosophical Logic, Studia Logica*. [ORCID:0000-0002-4800-7610](https://orcid.org/0000-0002-4800-7610).
- 09/2020 Preparation of the DFG Project application 'Free logics: variants, unification, and some applications' for Doctoral and Post-Doctoral position with Dr. Edi Pavlovic and Dr. Norbert Gatzl. Submitted by Dr. Norbert Gatzl. Post-doctoral position funded.

Language Skills

Italian (native speaker), English (fluent), German (working knowledge).

References

Prof. Dr. Dr. Hannes Leitgeb

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 Department of Philosophy, Philosophy of Science and the Study of Religion
 Ludwig-Maximilians-Universität
 Email: hannes.leitgeb@lmu.de

Dr. Norbert Gatzl

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 Department of Philosophy, Philosophy of Science and the Study of Religion
 Ludwig-Maximilians-Universität
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