

Elio La Rosa

Curriculum Vitae, October 2023

Contacts

Mailing Address Fakultät für Philosophie, Wissenschaftstheorie und Religionswissenschaft
Lehrstuhl für Logik und Sprachphilosophie
Ludwig-Maximilians-Universität
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Position

10/2023–04/2024 **Visiting Fellow**, *Universität Wien*,
Research visit at the Institute Vienna Circle

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 (*Good*),
Thesis on *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 (*Very Good*),
Thesis on *Cellular Automata: Formal and Emergent Properties*,
Supervised by Prof. Giovanni Camardi.

Research Interests

Areas of Specialization Proof Theory, Epsilon Calculus, Modal and Hyperintensional Logics, Substructural Logics, Non-deterministic Semantics.

Areas of Competence Philosophy of Logic, General Philosophy of Science, Philosophy of Mathematics.

Publications

- 1 Pawlowski, P., & La Rosa, E. (2022). Modular non-deterministic semantics for T, TB, S4, S5 and more. *Journal of Logic and Computation*, 32(1), 158-171.
- 2 Cobreros, P., La Rosa, E., & Tranchini, L. (2021). Higher-level inferences in the strong-Kleene setting: A proof-theoretic approach. *Journal of Philosophical Logic*, 51, pages 1417–1452.

- 3 Cobreros, P., La Rosa, E., & Tranchini, L. (2021). (I can't get no) antisatisfaction. *Synthese*, 198(9), 8251-8265.

Talks

- 05/10/2023 'Epsilon Modal Logics', Contributed talk for *PhDs in Logic XIV*, University of Granada, Granada.
- 28/09/2023 'Epsilon Modal Logics', Contributed talk for *MOSAIC Workshop 2023*, TU Vienna, Vienna.
- 05/09/2023 'Epsilon Modal Logics', Contributed talk for *SILFS 2023 Triennial International Conference*, University of Urbino, Urbino.
- 24/05/2023 'A new Substructural Logic: Classical logic', Contributed talk for *PLEXUS Inaugural Conference*, Centre for Philosophy of Sciences of the University of Lisbon, Lisbon.
- 17/04/2023 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', With Matteo De Benedetto, Presented at the *Logik Café*, University of Vienna, Vienna.
- 07/11/2022 'Non-deterministic Connectives and Epsilon Modal Logic', Invited talk at *1st Workshop on Non-deterministic Semantics for Modal Logics*, Ruhr University Bochum, Bochum.
- 13/09/2022 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', With Matteo De Benedetto, Contributed talk for *Gesellschaft für Analytische Philosophie GAP.11*, Humboldt University of Berlin, Berlin.
- 20/07/2022 'First-order Strict-tolerant duality', Contributed talk for *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, Contributed talk for *Hi-Phi International Conference*, Centre for Philosophy of Sciences of the University of Lisbon, Lisbon.
- 13/06/2022 'Patchworks, Contexts, and Epsilon Terms: A neo-Carnapian account of theoretical terms in science', With Matteo De Benedetto, Contributed talk for *5th SILFS Post-graduate Conference on Logic and Philosophy of Science*, University of Milano-Bicocca, Milano.
- 27/01/2022 'Indeterminate Connectives', Presented at the *Colloquium in Mathematical Philosophy: Logic and Language*, Munich Center for Mathematical Philosophy, Online.
- 25/11/2021 'Yes fellows, well-known modal logics are at most 8-valued', With Pawel Pawlowski, Contributed talk for *Non-classical Modal and Predicate Logics 2021*, University of Bochum, Online.
- 09/09/2021 'A Nested Sequent Calculus for Quarc', With Edi Pavlovic, Contributed talk for *Advances in the Quantified Argument Calculus*, Central European University, Online.
- 09/09/2021 'A labelled sequent calculus for HYPE', Contributed talk for *PhDs in Logic XII*, Free University of Berlin, Online.
- 13/08/2021 'Higher-level inferences in the Strong-Kleene setting: A proof-theoretic approach', Invited talk at *X Workshop on Philosophical Logic*, University of Buenos Aires, Online.
- 04/06/2021 'Free ST!', Presented at the *Work in Progress Seminar*, University of Buenos Aires, Online.

- 19/06/2021 'A labelled sequent calculus for HYPE', Contributed talk for *Logical Perspectives 2021 Workshop*, Steklov International Mathematical Center, Online.
- 14/05/2021 'Syntactic Cut elimination for Epsilon Calculus', Presented at the *Logic Colloquium*, University of Tübingen, Online.
- 06/11/2020 'A Constructivist Reading of the Epsilon Calculus', With Mattia Petrolo, Contributed talk for *12th French Philmath Workshop*, University of Lorraine, Online.
- 14/01/2020 'Informal provability logics', Contributed talk for *Tribute to Kurt Gödel*, University of Brno, Brno.
- 21/10/2019 'Informal provability logics', Presented at the *Logic Colloquium*, University of Tübingen, Tübingen.
- 09/10/2019 'A labelled calculus for Dynamic Predicate Logic', Contributed talk for *2nd DaLi Workshop. Dynamic Logic: New Trends and Applications*, Part of *Formal Methods 2019*, Porto.

Teaching

10/2020–Now **Teaching Assistant**, *Munich Center for Mathematical Philosophy (MCMP)*, *Ludwig-Maximilians-Universität*:

SoSe23 **Structural Proof Theory**, Led by Dr. Norbert Gratzl. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring.

WiSe22 **Formal Methods I: Introduction to Logic**, Led by Dr. Norbert Gratzl. Compulsory course for the M.A. in Logic and Philosophy of Science. Tutoring.

WiSe21 **Formal Methods I: Introduction to Logic**, Led by Dr. Martin Fischer. Compulsory course for the M.A. in Logic and Philosophy of Science. Tutoring and exams correction.

Proof and Truth: an Introduction to Ordinal Analysis for Philosophers, Led by Dr. Martin Fischer. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring.

WiSe20 **Set Theory, Model Theory, and their Philosophy**, Led by Dr. Lorenzo Rossi. Elective course for the M.A. in Logic and Philosophy of Science. Tutoring.

Visiting and Schools

- 09/2023–03/2024 Research visit at the Institute Vienna Circle, *Universität Wien*, Vienna.
- 13–17/06/2022 'Summer School on Truthmaker Semantics', *University of Lugano*, Lugano.
- 23–29/06/2018 'North American Summer School on Logic, Language and Information', *Carnegie Mellon University*, Pittsburgh. Full grant.
- 22–27/08/2017 Summer School 'Proof Theory in First-Order Logic', *University of Madeira*, Madeira. Full grant.
- 10/2017–07/2018 Taken M.Sc. courses in Computational logic, *Technische Universität Wien*, Vienna.
- 22–26/05/2017 Masterclass with Graham Priest on Paraconsistent Logic, *Ludwig-Maximilians-Universität*, Munich.
- 07–11/11/2016 Autumn School 'Linear Logic: Interaction, Proofs and Computation', *ENS*, *University of Lyon 3*, Lyon. Full grant.

- 24–30/07/2016 'Hilbert-Bernays Summer School on Logic and Computation', *University of Göttingen*, Göttingen.
- 02–07/2016 Taken M.A. courses in Logic and Foundations of Mathematics, *Università di Bologna*, Bologna.
- 03–06/2014 Taken B.Sc. courses in Physics, *Università degli Studi di Catania*, Catania

Contracts and Scholarships

- 09/2023–03/2024 **Visiting Fellowship**, *Universität Wien*, Visiting Fellowship contract.
- 04/2023–07/2023 **Studentische Hilfskraft**, *Ludwig-Maximilians-Universität*, Teaching assistant contract.
- 10/2022–03/2023 **Studentische Hilfskraft**, *Ludwig-Maximilians-Universität*, Teaching assistant contract.
- 10/2021–02/2022 **Studentische Hilfskraft**, *Ludwig-Maximilians-Universität*, Teaching assistant contract.
- 10/2021–03/2023 **Stipend**, *Ruhr-Universität Bochum*, Ph.D. Research stipend for the project 'Non-deterministic semantics and quantification', Supervised by Jun.-Prof. Hitoshi Omori.
- 06/2021–09/2021 **Projektassistent**, *Technische Universität Wien*, Research assistant contract at the Institut für Diskrete Mathematik und Geometrie, Supervised by Prof. Matthias Baaz.
- 09/2020–01/2021 **Wissenschaftliche Hilfskraft**, *Ludwig-Maximilians-Universität*, Research and teaching assistant contract.

Academic Service and Other Experiences

- Reviews *Journal of Philosophical Logic*, *Studia Logica*. [ORCID:0000-0002-4800-7610](https://orcid.org/0000-0002-4800-7610).
- 09/2020 DFG Project application 'Free logics: variants, unification, and some applications', With Dr. Edi Pavlovic and Dr. Norbert Gatzl. Submitted by Dr. Norbert Gatzl. Partially funded.
- 11/2017 English translation of chapters from Asperti, A., & Ciabattoni, A. (2009). *Logica a informatica*. McGraw-Hill.

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
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Dr. Norbert Gatzl

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