Michele Pra Baldi
Short CV

May 20, 2025

Current position

Assistant Professor (RTDa) of Logic and Philosophy of Science, FISPPA Department, University of Padua.

Contacts

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Research interests

Algebraic Logic; Non-classical Logics; Universal Algebra; Formal Epistemology

Previous positions

- May 2022 – June 2023
  Juan de la Cierva fellow, Artificial Intelligence Research Institute, Spanish National Council of Research (Barcelona, Spain)
- February 2022 – May 2022
  Adjunct professor, Department of Philosophy, Sociology, Pedagogy, and Psychology, University of Padua

- January 2019 – March 2022
  Postdoctoral fellow, Department of Philosophy, Pedagogy and Psychology, University of Cagliari. Research group in Applied Logic and Philosophy of Science (ALOPHIS)

Research stays

- Institute of Computer Science, Czech Academy of Sciences, Prague, Czech Republic, March-September 2017
- ALOPHIS group, University of Cagliari, Italy, July 2018 (sponsor: Horizons 2020 program of the European Commission: SYSMICS project, number: 689176, MSCA-RISE- 2015)
- Department of Computer Science, University of Milan, Italy, November 2017
- ALOPHIS group, University of Cagliari, January 2018, January 2017, January-February 2016

Education

- PhD in Philosophy, University of Padua (2019)
  Thesis: *An algebraic study of logics of variable inclusion and analytic containment*
- Munich Center for Mathematical Philosophy (MCMP), Munich, Germany, September 2013-August 2014 (Erasmus student)
- M.A. in Philosophical Sciences, University of Padua, 2014
- B.A. In Philosophy, University of Padua, 2012

Conferences and Talks (selection)

- *The external version of a three-valued logic*. Workshop on logics of variable inclusion, Cagliari, Italy. 2024.
- *On the structure of Bochvar algebras*. SILFS triennal conference 2023, Urbino, Italy.
- *Logics of left variable inclusion associated with classical logic*. Trends in Logic XXII, Cagliari, Italy. 2022.
- *Paraconsistent AGM belief revision: an algebraic investigation*, SILFS Postgraduate Conference, Milan, Italy. 2022.

- *On a logico algebraic approach to AGM belief contraction theory.* Non-classical logic Webinars, University of Denver, USA. 2020
- *Extensions of paraconsistent weak Kleene logic.* PhD seminars of the Department of Mathematics, University of Verona, Italy. 2020.
- *Logics of pure variable inclusion.* NCL 2020, Lodz University, Poland (virtual).
- *Logics of variable inclusion and the lattice of consequence relations*, SILFS 2019, Urbino, Italy
- *Proof theory for paraconsistent weak Kleene logic*, 1st Bilateral workshop UNAM-UNICA, 2019, Cagliari
- *Logics of varibale inclusions and Płonka sums of matrices*, ASUBL 2018, Cagliari, Italy
- *Logics of left variable inclusion and Płonka sums of matrices*, Substrucural logics: semantics, proof theory and applications,2018, Vienna, Austria
- *The regularization of a logic*, AILA meeting 2017, Padova, Italy

Fellowships and awards

- Juan de la Cierva formación 2020, 2-years postdoctoral fellowship.

- Award for Excellence in Teaching Performance 2024, University of Padova.

Projects

- European project MOSAIC - Modalities for Substructural Logic: Theory, Methods and Applications (EU H2020-MSCA-RISE-2020 Project 101007627). Role: external member.

- MIUR, PRIN project 2017 "Theory and applications of resource sensitive logics". Role: postdoctoral fellow.

- Project "Per un' estensione semantica della Logica Computazionale Quantistica- Impatto teorico e ricadute", L.R. 7/2007 (2015). RASSR40341. CUP:F76C18001020002. Role: postdoctoral fellow.

- Project "Fondazione di Sardegna" (Convenzione triennale 2015-2017 con gli Atenei sardi) e Regione Autonoma della Sardegna (L.R. 7/2007, 2016) - CUP F72F16003220002. Role: postdoctoral fellow.

- PhD fellowship, 2015-2018, University of Padua.

Publications

Under review

- M. Carrara, M. Pra Baldi, N. Zamperlin. **Sobociński logic: an introduction, some results and an application.**

- S. Bonzio, F. Paoli, M. Pra Baldi. **Bochvar algebras: a categorical equivalence and the generated variety.**

- M. Carrara, M. Pra Baldi. **The external version of a subclassical logic.**

Papers

1. M. Carrara, M. Pra Baldi. **Topicality via Bochvar logic.** *Analysis*, forthcoming.

2. M. Pra Baldi, A. Přenosil. **Equational definitions of logical filters.** *Annals of Pure and Applied Logic*, forthcoming.

3. F. Paoli, M. Pra Baldi. **Extensions of logics of pure variable inclusion associated with classical logic.** *Notre Dame Journal of Formal Logic*, 1-24, 2024.
   Journal Link

4. M. Carrara, F. Mancini, M. Pra Baldi, W. Zhu. **A new game theoretic semantics for weak Kleene logics**. *Studia Logica*, 1-25, 2024.
   Journal Link

5. S. Bonzio, M. Pra Baldi. **On the structure of Bochvar algebras**. *The Review of Symbolic Logic*, 1-27, 2024.
   Journal Link.

6. S. Bonzio, V. Fano, P. Graziani, M. Pra Baldi. **A logical modeling of severe ignorance**. *Journal of Philosohpical Logic*, 1-28, 2023. Journal Link.

7. M. Carrara, D. Fazio, M. Pra Baldi. **Paraconsistent belief revision: an algebraic investigation**. *Erkenntnis*,1-29, 2022. Journal Link.

8. F. Paoli, M. Pra Baldi, D. Szmuc. **Logics of pure variable inclusion**. *Logic and Logical Philosophy*, 2021, 30(4), 631-652. Journal Link

9. S. Bonzio, M. Pra Baldi. **Containment logics: reduced models and algebraic counterparts**. *Journal of Logic and Computation*, 2021. Journal Link

10. D. Fazio, M. Pra Baldi. **On a logico-algebraic approach to AGM belief contraction theory**. *Journal of Philosohpical Logic*, 2021: (1-28). Journal Link

11. S. Bonzio, M. Pra Baldi. **Containment logics and Płonka sums of matrices: completeness and axiomatization**. *Studia Logica*, 2021. Journal Link

12. M. Pra Baldi. **Logics of variable inclusion and the lattice of consequence relations**. *Journal of Applied non Classical Logics*, 2020, 1-15. Journal Link

13. F. Paoli, M. Pra Baldi. **Extensions of Paraconsistent Weak Kleene logic**, *Logic Journal of the IGPL*, 2020. Journal Link

14. S. Bonzio, T. Moraschini, M. Pra Baldi. **Logics of left variable inclusion and Płonka sums of matrices**, *Archive for Mathematical logic*, 2021. Journal Link

15. F. Paoli, M. Pra Baldi. **Proof theory for paraconsistent weak Kleene logic**, *Studia Logica*, 2019, 1-24. Journal Link

16. A. Ledda, F. Paoli, M. Pra Baldi. **Algebraic analysis of demodalized analytic implication**, *Journal of Philosophical Logic*, 2019, 48(6), 957-979.
    Journal Link

17. S. Bonzio, M. Pra Baldi, D. Valota. **Counting finite linearly ordered involutive bisemilattices**, *Relational and Algebraic Methods in Computer Science. RAMiCS 2018. Lecture Notes in Computer Science*, vol 11194, pages 166-183, 2018.
    Journal Link

Monographs and book chapters

18. F. Paoli, M. Pra Baldi. **The algebra of three-valued logics**. In *In Paul Egré & Lorenzo Rossi (eds.), Handbook of Three-Valued Logics. MIT Press. (forthcoming)*

19. S. Bonzio, F. Paoli, M. Pra Baldi. **Logics of variable inclusion**. *Trends in logic series, Springer*, 2022, ISBN 9783031042966.
    Link

20. D. Fazio, A. Ledda, M. Pra Baldi. **Percorsi di logica**. *Mimesis Milano*, 2022, ISBN 9788857586304.
    Link

Teaching

- *Logic*, University of Padua, Department of Philosophy, Sociology, Pedagogy, Psychology, BA in Science of education, 2024-2025.
- *Logic*, University of Padua, Department of Philosophy, Sociology, Pedagogy, Psychology, BA in Science of education, 2023-2024.
- *Logic*, University of Padua, Department of Philosophy, Sociology, Pedagogy, Psychology, BA in Philosophy, 2021-2022.
- *An introduction to algebraic logic*, University of Cagliari, PhD course, 2022.
- *Logic*, University of Cagliari, Department of Philosophy, Psychology and Pedagogy, BA in Philosophy, 2020-2021 (Teaching assistant).

- *Logic*, University of Cagliari, Department of Philosophy, Psychology and Pedagogy, BA in Philosophy, 2019-2020 (Teaching assistant).
- *Theory of argumentation and logic*, University of Cagliari, Department of Philosophy, Psychology and Pedagogy, BA in Philosophy, 2019-2020 (Teaching assistant).
- *Logic*, University of Cagliari, Department of Philosophy, Psychology and Pedagogy, BA in Philosophy, 2018-2019 (Teaching assistant)
- *Logic*, University of Padua, Department of Mathematics, BA in Computer Science, 2017 (Teaching assistant).

Organization of events

- Member of the organizing committee of the "Workshop on non classical logics in epistemology", September 26th 2024, University of Padua
- Member of the organizing committee of the "Padua Workshop in Analytic Philosophy", February 5th 2024, University of Padua
- Member of the organizing committee of the international conference "Trends in Logic XXII", July 17th-20th 2022, Cagliari
- Organizer of the ALOPHIS research group's weekly seminars (2019-2021)
- Member of the organizing committee the "DOCtOR Workshop", New Mexico State University, University of Salerno and University of Cagliari (On-line) 2021
- Member of the organizing committee of the "First Bilateral Workshop Universidad National Autonoma de Mexico-Università di Cagliari", Cagliari, Italy 2019
- Member of the organizing committee of the international workshop "Mathematical Structures, Models and Reality", Padua, Italy, 2017
- Organizer of two PhD seminars at the University of Padua, Italy, 2017

Membership and reviewing

- Barcelona Research Group in Non-classical Logics (BARCINO)

- Applied Logic and Philosophy of Science (ALOPHIS) research group, University of Cagliari

- Italian association of logic and philosophy of science (SILFS)

- Italian association of logic and its applications (AILA)

- Reviewer for *Review of symbolic logic, Annals of pure and applied logic, Journal of philosophical logic, Studia logica, Journal of applied non classical logics, Journal of logic and computation, Logic journal of the IGPL, Logique et analyse*

Other qualifications

Italian habilitation for position as Associate Professor in Logic and Philosophy of Science, M-FIL/02 (2022-2032).