

September 27, 2023

Curriculum Vitae

Cristian Mariani

SNF Ambizione Research Fellow

✉ Università della Svizzera Italiana
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Current Position

October 2022 - onwards	Research Fellow PI of an SNF Ambizione Research Grant (no 208762) Università della Svizzera Italiana, Italy
January 2020 - onwards	Adjunct Coordinator of <i>Centre for Philosophy of Time</i> (Milan)

Academic History

July 2022 - September 2022	Postdoctoral Researcher <i>ERC Proteus Research Group</i> Università Statale di Milano, Italy
February 2022 - June 2022	Postdoctoral Researcher <i>Juan de la Cierva</i> Universitat de Barcelona, Spain
January 2020 - February 2022	Postdoctoral Researcher <i>Chair of Excellence in Philosophy of Quantum Physics</i> Université Grenoble Alpes & Institut Néel (CNRS), Grenoble, France
2016 - January 2020	PhD Student in Philosophy and Human Sciences <i>State University of Milan</i> , Department of Philosophy Supervisors: Giuliano Torrenco, Claudio Calosi, Jonathan Tallant
May - June 2019	Visiting Research Student <i>University of Sydney</i> Sponsor: David Glick
February - April 2019	Visiting Research Student <i>Université de Geneve</i> Sponsor: Fabrice Correia
August 2018 - January 2019	Visiting Research Student <i>Rutgers University</i> Sponsor: Jonathan Schaffer
January - July 2018	Visiting Research Student <i>Ecole normale supérieure & IHPST</i> (Paris) Sponsor: Maximilian Kistler

Research Areas

Philosophy of Physics, Metaphysics, Philosophy of Time

Education

2020 | PhD Philosophy and Human Sciences. State University of Milan
2015 | M.A Philosophy. Vita-Salute San Raffaele University (Milan)
2012 | B.A Philosophy. Vita-Salute San Raffaele University (Milan)

Publications

Articles

- [15] In preparation. The Determinacy Problem. In Calosi, C. (Ed.), *Relational Quantum Mechanics. Foundations of Physics*. Invited.
- [14] 2023. Quantum Metaphysics and the Foundations of Spacetime. With Vincent Lam and Laurie Letertre. In Vassallo, A. (Ed.), *The Foundations of Spacetime Physics: Philosophical Perspectives*, *Routledge*. Invited.
- [13] 2023. The Shape of Things to Come. With Giuliano Torrenzo. In Mariani, C. and Torrenzo G. (Eds.), *Nothing to Come by Correia and Rosenkranz. Disputatio*.
- [12] 2022. Non-Accessible Mass and the Ontology of GRW. *Studies in History and Philosophy of Science*, 91: 270-279.
- [11] 2022. Does the Primitive Ontology of GRW rest on Shaky Ground? In Allori, V. (Ed.), *Quantum Mechanics and Fundamentality. Synthese Library*, Springer. Invited.
- [10] 2022. The Metaphysics of Passage in Dynamical Reduction Models of Quantum Mechanics. With Giuliano Torrenzo. In Santelli, A. & Donati, D. (Eds.), *Ockhamism and Philosophy of Time. Semantic and Metaphysical Issues Concerning Future Contingents. Synthese Library*, Springer: 147-172.
- [9] 2021. Plural Metaphysical Supervaluationism. With Robert Michels and Giuliano Torrenzo. *Inquiry*. Online first.
- [8] 2021. Quantum Indeterminacy. With Claudio Calosi. *Philosophy Compass*, 16(4): e12731.
- [7] 2021. Emergent Quantum Indeterminacy. *Ratio*, 34(3): 183-192.
- [6] 2021. The Indeterminate Present and the Open Future. With Giuliano Torrenzo. *Synthese*. Online first.

- [5] 2020. Quantum Relational Indeterminacy. With Claudio Calosi. *Studies in History and Philosophy of Modern Physics*, 71: 158-169.
- [4] 2020. Indeterminacy: Deep but not Rock Bottom. *Analytic Philosophy*. Online first.
- [3] 2019. Proprietà e leggi di natura (in Italian: Properties and Laws of Nature) *Lost in Physics and Metaphysics*. PagePress: Milan, 161-174.
- [2] 2018. Book review: James Harrington's *Time. A Philosophical Introduction*. (with Giuliano Torrenco). *Dialectica*, 71(4): 628-631.
- [1] 2017. Realismo, Strutture, Informazione (in Italian: Realism, Structures, Information) *Realtà senza realismo*. PagePress: Milan. 123-148.

Edited Volumes and Collections

- [3] In preparation. *New Perspectives in Quantum Foundations*. Topical Collection for *European Journal for Philosophy of Science*.
- [2] 2023. *Book Symposium on Nothing to Come by Correia and Rosenkranz*. With Giuliano Torrenco. *Disputatio*.
- [1] 2017. *Realtà senza realismo*. Atti dell'istituto lombardo di scienze e lettere. PagePress: Milan.

Invited Talks and Conferences

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| 2023 | <p><i>The wavefunction is a Property</i>. Workshop in Quantum Foundations. Geneva. Invited.</p> <p><i>The Indeterminacy Prior to Spontaneous Localisations</i>. SILFS. Urbino. Accepted.</p> <p><i>Indefinite Causal Order</i> with Letertre Calosi. ECAP. Vienna. Accepted.</p> <p><i>Indeterminacy and Indeterminism</i>. IAPT VIII. Sydney. Invited.</p> <p><i>Indeterminacy in GRW</i>. Workshop in Quantum Foundations. Lisbon. Invited.</p> <p><i>From Indeterminacy to Quantum Ontology</i>. Workshop Varieties of Indeterminism. Les Diablerets. Invited.</p> |
| 2022 | <p><i>The Philosophy Within Physics</i>. Public Lecture at Collegio delle Università Milanesi.</p> <p><i>Nowhere, Where Regions Are</i>. SMS VII. Bristol.</p> <p><i>Emergent Quantum Indeterminacy</i>. The Number of Things Conference. Milan.</p> <p><i>The Not So Curious Case of Spacetime Emergence</i>. ITAONT. L'Aquila.</p> <p><i>Indeterminate Primitive Ontology</i>. Philosophy of Physics Seminars. Lisbon. Invited.</p> <p><i>Value Indefiniteness in Quantum Gravity</i>. Symmetry Group. Geneva. Invited.</p> <p><i>Metaphysical Indeterminacy and Fundamentality</i>. Metaphysics Seminars. Tübingen. Invited.</p> |
| 2021 | <p><i>Does the Primitive Ontology of GRW rest on Shaky Grounds?</i> SMS VI. Bristol.</p> <p><i>Indefinite Causal Order</i>. With L. Letertre. EPSA Turin, 2021.</p> |
| 2020 | <p><i>Is Worldly Indeterminacy Fundamental? It Does Not Matter</i>. Bern. Invited.</p> <p><i>The Metaphysics of Passage in GRW</i>. With G. Torrenco. Dundee.</p> <p><i>What are the Informational Axioms really about?</i> With R. East. Urbino.</p> <p><i>Non-Accessible Mass in GRW</i>. Institut Néel. Invited.</p> <p><i>Quantum Relational Indeterminacy</i>. BPS Kent. Accepted. Canceled due to Covid-19.</p> <p><i>Quantum Relational Indeterminacy</i>. University of Geneva. Invited.</p> <p><i>Quantum Relational Indeterminacy</i>. University of Leeds. Invited.</p> |
| 2019 | <p><i>Against Eliminativism About Quantum Indeterminacy</i>. SMS V. Toronto.</p> <p><i>The Moving Collapse Theory of Time</i>. University of Osaka. Invited.</p> |

- Plural Metaphysical Supervaluationism*. Workshop on Indeterminacy. Dartmouth College.
The Indeterminate Present. IAPT 6. Boulder Colorado.
The Indeterminate Present. Centre for Time. Sydney.
Derivative Quantum Indeterminacy. Sydney.
Derivative Quantum Indeterminacy. EIDOS. Geneva.
The Indeterminate Present. Symmetry Group. Geneva.
The Indeterminate Present. CUNY-Milan Workshop. Milan.
 2018 *Metaphysical Indeterminacy in Quantum Mechanics*. Columbia Graduate Seminars. New York.
Structuralism on Property Individuation. Rutgers Graduate Seminars in Metaphysics. New York.
Indeterminate Causation. Rutgers Graduate Seminars in Metaphysics. New York.
Metaphysical Indeterminacy in Quantum Mechanics. SMS IV. Milan.
Grounding and Metaphysical Indeterminacy. SMS IV. Milan.
Quantum Becoming. IAPT V. Seoul.
Mertaphysical Indeterminacy in Quantum Mechanics. EIDOS. Geneva.
The Kochen-Specker Based Objection to Supervaluationism. Rethinking Foundation Workshop.
Why Quidditism?. Accademia di Brera.
 2017 *Emergent Gravity and the Emergence of Spacetime*. Workshop on Emergence. San Sebastian.
Emergent Gravity in Erik Verlinde. Milan.
Metaphysical Indeterminacy in Quantum Mechanics. Bologna.
 2016 *Quantum Informational Realism*. Accademia di Brera.

Teaching

- 2023 | [3] *Philosophy of Science*. BA. Fall. Università della Svizzera Italiana.
 2019 | [2] *Metaphysics of Science*. MA. With Giuliano Torrenco. Spring. State University of Milan.
 2017 | [1] *Philosophy of Time*. MA. With Giuliano Torrenco. Fall. State University of Milan.

Service to the profession

Reviewer

Analysis, *The British Journal for the Philosophy of Science*, *Cambridge University Press*, *Dialectica*, *Disputatio*, *Erkenntnis*, *European Journal for Philosophy of Science*, *General Journal for Philosophy of Science*, *Inquiry*, *International Studies in the Philosophy of Science*, *Philosophers' Imprint*, *Philosophia*, *Philosophical Studies*, *Routledge*, *Synthese*, *Studies in History and Philosophy of Modern Science*, *Theoria*.

Organizer

[8] June 2024. Annual conference of the *International Association for Philosophy of Time*, Lugano. Co-organiser with Damiano Costa.

[7] Spring 2022 - onwards. Lugano Philosophy Colloquia. Co-organiser.

[6] June 2021. Workshop *Rediscovering Relational Quantum Mechanics*. Organising committee.

[5] 2021. *Quantum Limits of Knowledge*, 2nd edition. Program committee.

- [4] 2020 - 2021. *Weekly Seminars in Quantum Foundations*, Institut Néel. Founder.
- [3] 2019. *V Annual Meeting of the Society for the Metaphysics of Science*. Toronto. Program committee.
- [2] 2018. *IV Annual Meeting of the Society for the Metaphysics of Science*. Milan. Local organizer.
- [1] 2017. *IV Annual Meeting of the International Association for Philosophy of Time*. Gargnano. Local organizer.

Languages

- English. Fluent
- French. Fluent
- Spanish. Basic
- Italian. Native

Scholarships and Awards

October 2022 - onwards	FNS Ambizione. Research Grant (Switzerland). CHF 485.300.
July 2022 - September 2022	ERC grant no.758145. Postdoc Scholarship (Italy). EUR 28.400 p/a.
February 2022 - June 2022	Juan de la Cierva (Spain). Postdoc Scholarship. EUR 40.000.
June 2021 - February 2022	FQXi (IAF19-05, IAF19-01). Postdoc Scholarship. EUR 33.000 p/a.
2020 - May 2021	CNRS. Postdoc Scholarship. EUR 29.000 p/a.
2020	DAAD. Postdoc Scholarship. Declined. EUR 5.000.
November 2019	University of Osaka. Research Support Award. EUR 1.500.
2018 - 2019	State University of Milan. Visiting PhD Scholarship. EUR 12.000.
2018 - 2019	State University of Milan. Research Support Award. EUR 4.500.
2016 - 2019	State University of Milan. PhD Scholarship. EUR 49.000.

References

[1] Jonathan Schaffer
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Rutgers University
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[3] Vincent Lam
Professor of Philosophy
University of Bern
vincent.lam@philo.unibe.ch

[5] Giuliano Torrenco
Professor of Philosophy
State University of Milan
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[7] Jessica Wilson
Professor of Philosophy
University of Toronto
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[2] Craig Callender
Professor of Philosophy
University of California at San Diego
ccallender@ucsd.edu

[4] Claudio Calosi
Professor of Philosophy
University of Geneva
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[6] Peter Lewis
Professor of Philosophy
Dartmouth College
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[8] Mauro D'Ariano
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University of Pavia
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