

Miguel Pedroso de Lima Martins

Identification

Personal identification

Full name
Miguel Pedroso de Lima Martins

Gender
Male

Birth date
1994/11/02

Citation names

Martins, Miguel

Author identifiers

Ciência ID
AD1A-7CEB-BB38

ORCID iD
[0000-0002-2996-7907](#)

Email addresses

miguelplmartins561@gmail.com (Professional)

Knowledge fields

Exact Sciences - Mathematics - Pure Mathematics

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
Portuguese (Mother tongue)					
English	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	
Spanish; Castilian	Intermediate (B1)	Advanced (C1)	Intermediate (B1)	Advanced (C1)	

Education

Degree	Classification
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2022/03/01 - 2026/07/15 Ongoing	Mathematics and Computer Science (Doctor) Major in Mathematical Logic Universitat de Barcelona Departament de Matemàtiques i Informàtica, Spain <i>"The Lattice of Bi-Intermediate Logics"</i> (THESIS/DISSERTATION)	
2018/09/01 - 2021/03/25 Concluded	Mathematics (Master) Major in Algebra and Geometry Universiteit van Amsterdam Faculteit der Natuurwetenschappen Wiskunde en Informatica, Netherlands <i>"Bi-Gödel Algebras and Co-trees"</i> (THESIS/DISSERTATION)	8.51/10
2012/09/06 - 2017/07/24 Concluded	Matemática (Licenciatura) Universidade de Lisboa Faculdade de Ciências, Portugal	17/20

Affiliation

Science

	Category Host institution/organization	Employer
2024/01/01 - Current	Contracted Researcher (Research) Universitat de Barcelona Departament de Filosofia, Spain	Fundação para a Ciência e a Tecnologia, Portugal
2025/04/07 - 2025/07/07	Visiting Researcher (Research)	Universiteit van Amsterdam Institute for Logic Language and Computation, Netherlands
2025/03/15 - 2025/04/05	Visiting Researcher (Research)	University of Milan, Department of Mathematics, Italy
2022/11/01 - 2024/01/01	Contracted Researcher (Research) Universitat de Barcelona Departament de Filosofia, Spain	Universitat de Barcelona Departament de Filosofia, Spain

Projects

Grant

	Designation	Funders
2024/01/01 - Current	The Lattice of Bi-Intermediate Logics 2023.03419.BD PhD Student Fellow	Fundação para a Ciência e a Tecnologia, Portugal Ongoing
2023/09/01 - Current	The Shape of Reasoning: from classical to nonclassical and back. PID2022-141529NB-C21 Researcher Universitat de Barcelona Departament de Filosofia, Spain	España Ministerio de Ciencia e Innovación, Spain Ongoing
2022/11/01 - 2024/01/01	The Lattice of Bi-Intermediate Logics PREDOCS-UB 21 PhD Student Fellow	Universitat de Barcelona Departament de Filosofia, Spain Concluded

Outputs

Publications

Journal article	1	Miguel Martins; Tommaso Moraschini. "Local tabularity is decidable for bi-intermediate logics of trees and of co-trees". <i>Annals of Pure and Applied Logic</i> (2025): https://doi.org/10.1016/j.apal.2025.103563 . 10.1016/j.apal.2025.103563
	2	Bezhanishvili, Nick; Martins, Miguel; Moraschini, Tommaso. "Bi-intermediate logics of trees and co-trees". <i>Annals of Pure and Applied Logic</i> 175 10 (2024): https://doi.org/10.1016/j.apal.2024.103490 . Published · Open access · 10.1016/j.apal.2024.103490
	3	Hyttinen, Tapani; Martins, Miguel; Moraschini, Tommaso; Quadrellaro, Davide E.. "Strictly n-finite varieties of Heyting algebras". <i>The Journal of Symbolic Logic</i> (2024): 1-16. https://doi.org/10.1017/jsl.2024.48 . Published · Open access · 10.1017/jsl.2024.48
Preprint	1	Martins, Miguel. "There are only countably many locally tabular bi-intermediate logics of co-trees". 2026. https://arxiv.org/abs/2602.21960 .
	2	Martins, Miguel; Fornasiere, Damiano; Gougeon, Quentin. "Projective Unification in Bi-Intuitionistic Logic". 2025. https://hal.science/hal-04957607 .

Thesis /
Dissertation

1

"Bi-Gödel algebras and co-trees". Master, Universiteit van Amsterdam Faculteit der Natuurwetenschappen Wiskunde en Informatica, 2021. <https://scripties.uba.uva.nl/download?fid=681678>.

Activities

Oral presentation

	Presentation title	Event name Host (Event location)
2025/09/04	Invited speaker "Counting/determining locally tabular bi-intuitionistic logics of co-trees: a denumerable/decidable problem"	Algebra Week 2025 (Siena, Italy)
2025/07/23	Projective Unification in Bi-Intuitionistic Logic	LATD (Logic Algebra and Truth Degrees) 2025 (Siena, Italy)
2025/04/16	Counting/determining locally tabular bi-intuitionistic logics of co-trees: a denumerable/decidable problem	Lectures on Logic and its Mathematical Aspects ILLC, University of Amsterdam (Amsterdam, Netherlands)
2025/04/04	Counting/determining locally tabular bi-intuitionistic logics of co-trees: a denumerable/decidable problem	Logic, Algebra and Categories Seminar University of Milan (Milan, Italy)
2024/09/05	Bi-Intermediate Logics of Co-Trees: Local Tabularity and Decidability	XXVIII Incontro di Logica AILA (Udine, Italy)
2024/07/04	Bi-Intermediate Logics of Co-Trees: Local Tabularity and Decidability	TACL 2024 (Barcelona, Spain)
2023/10/05	Locally Tabular Bi-Intermediate Logics of Trees	PHDs IN LOGIC 2023 (Granada, Spain)
2022/11/09	The Bi-intuitionistic Logic of Co-trees	Seminar on Applied Mathematical Logic The Czech Academy of Sciences (Prague, Czech Republic)
2022/10/14	The Bi-intuitionistic Logic of Co-trees	Seminario de Lógica Algebraica Grupo de Lógica Tandil (Tandil, Argentina)
2022/10/11	The Bi-intuitionistic Logic of Co-trees	Non-Classical Logic Days University of Barcelona & The Czech

		Miguel Pedroso de Lima Martins
		Academy of Sciences (Barcelona, Spain)
2022/09/21	Bi-intermediate Logics of Trees and Co-trees	Non-Classical Logic Seminar University of Barcelona (Barcelona, Spain)
2022/09/05	Bi-intermediate Logics of Trees and Co-trees	LATD (Logic Algebra and Truth Degrees) 2022 (Paestum, Italy)
2021/06/12	Bi-Gödel Algebras and Co-trees	BLAST2021 New Mexico State University (Las Cruces, United States)
2017/07/01	Daniel Augusto da Silva e as Congruências Binômias	30° Encontro do Seminário Nacional da História da Matemática Academia Militar (Lisbon, Portugal)

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2025/11/01 - Current	An axiomatization of the first-order theory of finite Gödel algebras Co-supervisor	Pure and Applied Logic (Master) Universitat de Barcelona Departament de Filosofia, Spain

Event organisation

	Event name Type of event (Role)	Institution / Organization
2023/02/20 - 2024/07/05	Member of the organising committee of the TACL (Topology, Algebra and categories in Logic) 2024 conference (2023/12/31 - 2024/07/05) Conference (Member of the Organising Committee)	
2023/02/20 - 2023/07/14	Member of the organising committee of the Proof Society Summer School and Workshop 2023 (2023/07/10 - 2023/07/14) Workshop (Member of the Organising Committee)	The Proof Society, Spain

Ad Hoc journal article review

	Journal title (ISSN)	Publisher
2025/01/01 - 2025/12/31	The Review of Symbolic Logic	Cambridge University Press
2025/01/01 - 2025/12/31	Notre Dame Journal of Formal Logic	Duke University Press

Course / Discipline taught

	Academic session	Degree Subject (Type)	Institution / Organization
2023/09/01 - 2023/12/19	Introducción a la Lógica (TA)	Philosophy (Bachelor)	Universitat de Barcelona Departament de Filosofia, Spain
2023/09/01 - 2023/12/19	Lógica (TA)	Philosophy (Bachelor)	Universitat de Barcelona Departament de Filosofia, Spain

Distinctions**Other distinction**

2021	Cum Laude Universiteit van Amsterdam Korteweg-de Vries Instituut voor wiskunde, Netherlands
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