



AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6824

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Matematica Federigo Enriques

Responsabile scientifico: Lorenzo Luperi Baglini

Rosario Mennuni

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Mennuni
Nome	Rosario

OCCUPAZIONE ATTUALE

Incarico	Struttura
Assegnista di ricerca	Università di Pisa

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Matematica	Università di Pisa	2016
Specializzazione			
Dottorato Di Ricerca	Mathematics	University of Leeds	2020
Master			
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
Inglese	Ottimo
Francese	Base
Tedesco	Base

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2024	Progetto di ricerca GNSAGA: Model Theory and applications to Algebra and Combinatorics (travel grant, 1 year, €3k). Participant
2019	London Mathematical Society Postgraduate Research Conference Grant (Scheme 8), towards the organisation of the British Postgraduate Model Theory Conference 2020 (£2k). Cofunded by the School of Mathematics of the University of Leeds (£4k), guaranteed by the British Logic Colloquium (£750). Principal investigator
2019	ASL Travel Grant Award to attend "Logic Colloquium 2019", Prague
2018	ASL Travel Grant Award to attend "From Permutation Groups to Model Theory: a Workshop Inspired by the Interests of Dugald Macpherson, on the Occasion of His 60th Birthday", Edinburgh
2017	ASL Travel Grant Award to attend "Set-Theoretic and Topological Methods in Model Theory", Tezpur
2017	ASL Travel Grant Award to attend "Model Theory and Applications", Mons
2017	Premio Tesi 3+2 AILA 2017: Award for one of the best master theses in logic in Italy
2016-2020	Leeds Anniversary Research Scholarship

ATTIVITÀ DI FORMAZIONE O DI RICERCA

Nov 2021 - presente	Postdoc (Assegnista di ricerca) presso l'Università di Pisa
Set 2020-Ott 2021	Postdoc (Wissenschaftlicher Mitarbeiter) presso la Westfälische Wilhelms-Universität Münster

ATTIVITÀ PROGETTUALE

Anno	Progetto
2024-presente	Model Theory and applications to Algebra and Combinatorics, GNSAGA (participant)



2023-present	PRIN 2022: “Models, sets and classifications” Prot. 2022TECZJA, MUR (participant)
2021-2023	PRIN 2017: “Mathematical Logic: models, sets, computability” Prot. 2017NWTM8RPRIN, MIUR (postdoc)
2020-2021	GeoMod, ANR-DFG (postdoc)

TITOLARITÀ DI BREVETTI

Brevetto

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
	PARTECIPAZIONE A CONFERENZE	
Sep '24	XXVIII Incontro di Logica AILA	Udine, contributed talk
Sep '24	Meeting of the PRIN “Models, sets, and classifications”	Udine, contributed talk
Jun '24	75th British Mathematical Colloquium	Manchester, invited speaker
Jun '24	Ramsey Theory in Logic Combinatorics and Complexity (RaTLoCC IV)	Pisa, invited speaker
Feb '24	BIRS workshop on exponential fields	Banff
Nov '23	2023 Geomod Conference	Freiburg, invited speaker
Sep '23	XXII Congresso dell'Unione Matematica Italiana	Pisa, contributed talk
Jul '23	Logical Methods in Ramsey Theory and Related Topics	Pisa
May '23	Impromptu Leeds-McMaster model theory days	Leeds, invited speaker
Jan '23	British Postgraduate Model Theory Conference	Leeds, contributed talk
Dec '22	Model Theory Conference in celebration of Ludomir Newelski's 60th birthday	Będlewo
Nov '22	A tale of modules and models a celebration in honour of Carlo Toffalori on	Firenze



	his retirement	
Jun '22	Model theory and applications	Cetraro
Jun '22	Ultramath 2022	Pisa
Sep '21	AGRUME meeting	Colmar, invited speaker
Jun '21	Short Model Theory Huddle 2	online, invited speaker
Apr '21	British Postgraduate Model Theory Conference	online
May '20	Short Model Theory Huddle	online
Feb '20	Fifth Workshop on Generalised Baire Spaces	Bristol
Jan '20	British Postgraduate Model Theory Conference	Leeds
Sep '19	British Logic Colloquium 2019	Oxford, contributed talk
Aug '19	Logic Colloquium 2019	Prague, contributed talk
Jun '19	Applications of the Model Theory of Fields with Operators	Manchester
Jan '19	Workshop on NIP and Groups	Leeds, invited speaker
Jan '19	British Postgraduate Model Theory Conference	Manchester, contributed talk
Sep '18	From Permutation Groups to Model Theory: a Workshop Inspired by the Interests of Dugald Macpherson, on the Occasion of His 60th Birthday	Edinburgh, contributed a poster
Aug '18	Model-theoretic Methods in Number Theory and Algebraic Differential Equations	Manchester
Apr '18	Workshop on model theory of finite and pseudofinite structures	Leeds
Mar '18	Model Theory and Applications	Paris
Mar '18	Model Theory of Valued fields	Paris



Feb '18	Model Theory and Combinatorics	Paris
Jan '18	British Postgraduate Model Theory Conference	Oxford
Sep '17	Set-Theoretic and Topological Methods in Model Theory	Tezpur, contributed talk
Jul '17	Model Theory	Będlewo
Jun '17	Model Theory in Wrocław 2017	Wrocław
Jan '17	British Postgraduate Model Theory Conference	Leeds
Jan '17	Model Theory and Applications	Mons
Jun '16	International Conference on Model Theory	Notre Dame
Aug '15	PhD-AILA 2015	Gargnano
Aug '15	Logic Colloquium 2015	Helsinki
May '15	COMFORT, convegno in onore di marco forti, dipartimento di matematica	Pisa
Apr '14	XXV incontro dell'associazione italiana di logica e sue applicazioni	Pisa
Jan '13	Ultra-Combinatorics	Pisa
	PERIODI INTENSIVI DI RICERCA	
Jan-Apr '18	Model Theory, Combinatorics and Valued Fields Trimester	Institut Henri Poincaré, Paris
	SUMMER/WINTER SCHOOLS	
Jan '18	Research School Model Theory, Combinatorics and Valued Fields	Luminy



Aug '17	Scuola Estiva di Logica 2017	Gargnano
Jul '16	Summer School in Tame Geometry	Konstanz
Jun '16	Thematic Programme on Model Theory, Graduate Summer School	Notre Dame
Aug '15	Scuola Estiva di Logica 2015	Gargnano
Jul '15	Scandinavian Logic Society Summer School in Logic 2015	Helsinki
	PARTECIPAZIONE A CICLI DI SEMINARI SU INVITO	
Mar '24	Positive model theory and automorphisms of ordered structures	Pisa, Scuola Normale Superiore, Logic seminar
Mar '24	Positive logic and automorphisms of ordered abelian groups and valued fields	Napoli, Logic seminar
Oct '23	Some definable types in the wild	Münster, Oberseminar Modelltheorie und Gruppen
Oct '23	Some definable types in the wild	Lyon, Séminaire Logique Mathématique
May '23	Ultrafilters, congruences and profinite groups	Freiburg, Oberseminar Logik
Nov '22	Automorphisms of ordered abelian groups and dependent positive theories	Bonn, Oberseminar Logik
Jun '22	Model theory of ordered abelian groups	Torino, Logic working group
May '22	Automorphisms of ordered abelian groups and positive logic	Manchester, Logic seminar
Feb '22	Automorphisms of ordered abelian groups and positive logic	Caserta, Logic seminar
Nov '21	The domination monoid in henselian valued fields	University of East Anglia, Pure mathematics seminar



Mar '21	The domination monoid	Konstanz, TDE seminar
Mar '21	The domination monoid	Caserta, Logic seminar
Nov '20	The domination monoid	Bogotá, Seminario Flotante de Lógica Matemática
Oct '19	Product of Invariant Types Modulo Domination-Equivalence	Torino
Sep '19	Double-Membership Graphs of Models of Anti-Foundation	Manchester, Logic Seminar
Feb '19	Product of Invariant Types Modulo Domination-Equivalence	Imperial College London, Logic Seminar

PUBBLICAZIONI

Libri
[titolo, città, editore, anno...]
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Articoli su riviste
The Amalgamation Property for automorphisms of ordered abelian groups, with Jan Dobrowolski, Transactions of the American Mathematical Society, in press, doi: 10.1090/tran/9217.
The domination monoid in henselian valued fields, with Martin Hils, Pacific Journal of Mathematics, 328(2), 287-323 (2024). doi: 10.2140/pjm.2024.328.287
Vector spaces with a union of independent subspaces, with Alessandro Berarducci and Marcello Mamino, Archive for Mathematical Logic, 63, 499-507 (2024). doi: 10.1007/s00153-024-00906-9
Self-divisible ultrafilters and congruences in BZ, with Mauro Di Nasso, Lorenzo Luperi Baglini, Moreno Pierobon and Mariacarla Ragosta, Journal of Symbolic Logic. doi: 10.1017/jsl.2023.51
Some definable types that cannot be amalgamated, with Martin Hils, Mathematical Logic Quarterly, 69, 46-49 (2023). doi: 10.1002/malq.202200046
On double-membership graphs of models of Anti-Foundation, with Bea Adam-Day and John Howe, Bulletin of Symbolic Logic, 29(1), 128-144 (2023). doi: 10.1017/bsl.2022.37
The domination monoid in o-minimal theories, Journal of Mathematical Logic, Vol. 22, No. 01, 2150030 (2022). doi: 10.1142/S0219061321500306
Weakly binary expansions of dense meet-trees, Mathematical Logic Quarterly, 68:32-47 (2022). doi: 10.1002/malq.202000045
Invariant Types in Model Theory (Thesis abstract), Bulletin of Symbolic Logic, 26(3-4), 296-297 (2020). doi: 10.1017/bsl.2020.25



Product of invariant types modulo domination-equivalence, *Archive for Mathematical Logic*, 59, 1-29 (2020). doi: 10.1007/s00153-019-00676-9

Model-theoretic dividing lines via posets, with Darío García, preprint, arxiv.org/abs/2209.00571

Atti di convegni

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ALTRE INFORMAZIONI

ATTIVITÀ EDITORIALE

2023-presente, referee per *The Journal of Symbolic Logic*

2020-presente, referee per *Archive for Mathematical Logic*

RECENSIONI

2023 zbMATH review, V. Guingona, On VC-density in VC-minimal theories, <https://zbmath.org/7598586>

2023 zbMATH review, G. Metcalfe, L. Reggio, Model completions for universal classes of algebras: necessary and sufficient conditions, <https://zbmath.org/7657286>

2023 zbMATH review, A. Berenstein, E. Vassiliev, Definable groups in dense pairs of geometric structures, <https://zbmath.org/7541616>

SUPERVISIONE

2023 Supervisor of Alessandro Sferlazza (Master Student at Scuola Normale Superiore (Pisa) for his 4th year colloquio

2021 Mentor of Simone Ramello (Master Student at the Università di Torino) during his 5 month Erasmus+ traineeship at WWU Münster

DIVULGAZIONE

2023 Responsabile di laboratorio, Infinito, infinito più uno, e cose parecchio più grandi, XIX settimana matematica (outreach event aimed at senior high-school students), Università di Pisa

ATTIVITÀ ORGANIZZATIVA



2022-present Organiser of the Logic Seminar, Pisa
2024 Local organiser of the conference Ramsey Theory in Logic, Combinatorics and Complexity (RaTLoCC IV), Pisa
2023 Organiser of the conference Logical Methods in Ramsey Theory and Related Topics, Pisa
2022 Local Organiser of the Ultramath 2022 conference, Pisa
2020 Organiser of the BPGMT Conference 2020, Leeds
2017 Organiser of the BPGMT Conference 2017, Leeds
2016-2019 Organiser of the postgraduate logic seminar, Leeds
VISITE DI RICERCA
Oct '23, Münster, collaborazione con Martin Hils
Oct '23, Lyon, collaborazione con Frank Wagner
May '23, Leeds, collaborazione con Pablo Andújar Guerrero and Pantelis Eleftheriou
May '22, Manchester, collaborazione con Jan Dobrowolski
DIDATTICA
'24, Elementi di Teoria degli Insiemi, with Mauro Di Nasso, exercise sessions, Università di Pisa
'24, Logica Matematica, with Marcello Mamino, part 2/4, Università di Pisa
'22, Model Theory, postgraduate course, Università di Pisa
'19, Computer Workshops (≈ 70 students) for Mathematics 1/Number Systems, University of Leeds
'19, Tutorials (≈ 10 students) for Math1010 Mathematics 1, University of Leeds
'19, Tutorials (≈ 10 students) for Math1026 Sets, Sequences and Series, University of Leeds
'18, Computer Workshops (≈ 70 students) for Mathematics 1/Number Systems, University of Leeds
'18, Tutorials (≈ 10 students) for Math1025 Number Systems, University of Leeds
'17, Computer Workshops (≈ 70 students) for Mathematics 1/Number Systems, University of Leeds
'17, Tutorials (≈ 10 students) for Math1025 Number Systems, University of Leeds
'17, Tutorials (≈ 10 students) for Math1026 Sets, Sequences and Series, University of Leeds
'16, Computer Workshops (≈ 70 students) for Mathematics 1/Number Systems, University of Leeds



'16, Tutorials (≈ 10 students) for Math1025 Number Systems, University of Leeds
FORMAZIONE DOCENTI UNIVERSITARI
2024, partecipante del corso "Insegnare a insegnare, corso avanzato", Università di Pisa
2024, partecipante del corso "Insegnare a insegnare, corso base", Università di Pisa

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI** sul sito di Ateneo e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: Udine, 03/09/2024