

INFORMAZIONI PERSONALI

Gabriele Gullà

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Sesso M | Data di nascita 07/12/1986 | Nazionalità Italiana

TITOLO DI STUDIO

Dottore di ricerca in matematica

INTERESSI DI RICERCA

- 1) Mathematical Logic
 - 1a) Set Theory(ies)
 - , → Large Cardinals (Axioms)
 - , →, → Compactness
 - , →, → Measurability
 - , → Forcing (Axioms)
 - 1b) Abstract Model theory
 - , → Model Theoretic Logics
 - , → Ω -Logic and Strong Logics
 - 1c) Metalogic and Metamathematics
 - 1d) Logic of Graphs
 - 13) Modal Logic
 - 4) Abstract Formal Languages
 - 5) Interactions between Logic, Mathematics, Economics and Linguistics
 - , → Infinite Game Theory; Fractal Geometry; Quantifiers
 - 6) Set-theoretical Topology
 - , → Ultrafilters, Ultrafilters on words
 - , → Linearly Ordered Spaces
 - 7) Philosophical Logic
 - , → Mereology and Mereotopology
 - , → Truth Theories
 - 8) Philosophy of Logic and of Language
 - , → Wittgenstein, Quine, Chomsky
 - , → What is a proof?
 - 9) History of Logic and Mathematics
 - , → Medieval (arabic and jewish) Logic and Mathematics
 - , → Vasil'ev, Florenskij
 - , → Proofs across history
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ESPERIENZA
PROFESSIONALE

Teaching at Universities (each course to be counted at least once):

2011-2019 Università di Roma - Tor Vergata

Collaboratore di cattedra:

- Geometria 1, Physics
- Geometria 3, Mathematics
- Discrete Mathematics, Computer Science
- Fourier Analysis, Mathematics and Media Science
- Mathematical Methods for Physics, Physics
- Mathematical Analysis, Engineering

2014-2025 Università LUISS - Guido Carli

Collaboratore di cattedra:

- General Mathematics, Economics and Management
- General Mathematics, Economics and Finance (in english)

Titolare di corso:

- Pre-course of General Mathematics
- Short course on Differential Equations

22017-2023 Università di Roma Tre

Collaboratore di cattedra:

- Istituzioni di Matematiche 1, Architettura
- Istituzioni di Matematiche 2, Architettura

Titolare di corso in:

- Istituzioni di Matematiche 2, Architettura

2016-2017, 2019-2021, 2021-2024 Sapienza - Università di Roma

Collaboratore di cattedra:

- Geometria 1, Engineering

Titolare di corso:

- Mathematical Analysis I, Engineering
- Mathematical Analysis I, Computer Science
- Mathematical Analysis II, Engineering
- Discrete Mathematics and Elements of Logic, Computer Science
- Istituzioni di Matematica 1 (with elements of Logic and Philosophy of Mathematics), Philosophy and Artificial Intelligence

2022-2025 European University of Rome

Collaboratore di cattedra:

- General Mathematics

Titolare di Corso:

- Fondamenti di Matematica

2020- Docente di ruolo di matematica, LSS Farnesina

ISTRUZIONE E FORMAZIONE

Laurea triennale in matematica, Università di Roma Tor vergata;
Laurea Magistrale in matematica, Università di Roma Tor vergata;
Dottorato di Ricerca in matematica, Università di Roma Tor vergata;
PF24 in Psicologia, Pedagogia, Antropologia Culturale, Didattica, Università di Firenze

COMPETENZE PERSONALI

Lingua madre italiano

Altre lingue

Inglese

C2

Francese

C2

Competenza digitale

LaTeX, Beamer, C++

Pubblicazioni

PAPERS:

- “Some observations on a result by Bialinicki-Birula and Żelazko”,
arXiv: <https://arxiv.org/abs/2403.17027>
- “A synthetic overview on some known characterizations of Woodin Cardinals”,
arXiv: <https://arxiv.org/abs/2403.17026>
- “A short survey around the pumping Lemma for Context-free Languages”,
arXiv: <https://arxiv.org/abs/2403.15899>
- “On a relation between λ -full well-ordered sets and Weakly Compact Cardinals” (submitted,
under revision),
arXiv: <https://arxiv.org/abs/2403.15904>
- “Il Trattato sull'arte della logica di Maimonide. Da Rambam a I. Efros e R. Brague: una
traduzione commentata” (accepted, under publication, Aracne Ed.)

Progetti

ONGOING WORKS:

- Mereology on Logics and Structures
- More on Compactness Spectrum of Abstract Logics
- Is Reality really real ? Ontology under a set-theoretic perspective
- A modal-logic perspective on Ω -logic
- “Richardianity” in Logic, Mathematics and Linguistics
- A logical approach to the concept of “translation”
- Textbook on Discrete Mathematics

Conferenze

INTERNATIONAL CONGRESSES:

- 6th Young Set Theory Workshop, 10-14 June 2013, Oropa (Bi), Italia
- 4th European Set Theory Congress, 15-18 July 2013, Mon St Benet (Barcelona), Spain
- “Giornata di studio in onore di Gabriele Lolli”, 13 December 2013, Torino, Italia
- 42nd Winter School in Abstract Analysis-Section Set Theory and Topology, 25/01/2014-1/02/2014, Hejnice, Czech Republic
- XXV AILA Meeting, 14-17 April 2014, Pisa, Italia
- “Algebra and Literature: different Languages, same Models”, 23-24 June 2014, Firenze, Italia
- “Wadge Theory and Automata”, (26-)28 January 2015, Torino, Italia
- C.O.M.Fort 2015, 22-23 May 2015, Pisa, Italia
- UMI Conference, Section of Logic, 7-12 September 2015, Siena, Italia
- FilMat 2016: II International Conference in Philosophy of Mathematics: “Truth, Existence, and Explanation”, 26-28 May 2016, Chieti, Italia
- 9th Young Set Theory Workshop, 13-17 June 2016, Copenhagen, Denmark
- Advanced Course on Large Cardinals and Strong Logics, 19-23 September 2016, Universita Autònoma de Barcelona, Bellaterra, Spain
- Workshop on Set-Theoretical aspects of the Model Theory of Strong Logics, 25-30 September 2016, Università Autònoma de Barcelona, Bellaterra, Spain
- Model Theory: Philosophy, Mathematics and Language, 9-12 January 2017, LMU Munich, Germany
- Logic in Question, 13-14 June 2017, Paris-Sorbonne, Paris, France
- 6th European Set Theory Conference, 3-7 July 2017, Budapest, Hungary
- 10th Young Set Theory Workshop, 10-14 July 2017, Edinburgh, Scotland
- FilMat 2018: III International Conference in Philosophy of Mathematics: “Objects, Structures and Logics”, 25-27 May 2018, Mussomeli, Italia
- “Ramsey Theory and Computability”, 9-13 July 2018, Roma, Italia
- “ULMTRAMATH: Ultrafilters across mathematics”, 6-11 June 2022, Pisa, Italia
- “A tale of Models and Modules”, 26/11/2022, Florence, Italy
- “Discrete Mathematics and Logic between mathematics and computer science”, Marseille, France, 16-20 January 2023

Seminari

SEMINARS:

- "Some equivalents of the Axiom of Choice"
- "The Consistency of the negation of CH with Zermelo-Fraenkel Axioms"
- "On the essential falsity of the Continuum Hypothesis"
- "Logic across mathematics: three examples in algebra"
- "Didattica della Dimostrazione"

Appartenenza a gruppi /
associazioni

INTERNATIONAL AND ITALIAN ASSOCIATIONS MEMBERSHIP:

- AILA ("Associazione Italiana di Logica e Applicazioni")
- ASL ("Association for Symbolic Logic")
- ESTS ("European Set Theory Society")
- ANPUC ("Associazione Nazionale Professori Univesitari a Contratto")

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196
"Codice in materia di protezione dei dati personali".