Matteo DE CEGLIE

PERSONAL

BIRTHDATE:	21 June 1992
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RESEARCH INTERESTS

Set theoretic multiverse — V-logic multiverse, set generic multiverse
Set theory (ZFC) —especially large cardinals, determinacy and inner models.
Logic —especially Infinitary logics, Second Order Logic and Type Theory.
Intuitionism and Constructivism —especially IZF and CZF.
Philosophy of Mathematics —especially Foundations, Pluralism, Formalism.

CURRENT POSITION

PhD Student, Fachbereich Philosophie, KGW Fakultät, Salzburg Universität
ADVISOR: Prof. Charlotte Werndl   CO-ADVISOR: Prof. Julien Murzi
PROJECT: The V-logic Multiverse

EDUCATION

2018 - 2019	Exchange Semester at **University of California**, Irvine As a *Visiting Scholar* at the Department of Logic and Philosophy of Science
2011–2016	**Scuola Normale Superiore, Pisa**. Five-year honors program in Philosophy of Mathematics Annual research papers: 2012 "Two concepts of Liberty: A comment to Isaiah Berlin *On Liberty*"; 2013 "Set Theory in sheep's clothes: An Account of Second Order Logic"; 2014 "To Infinity and Beyond: Large Cardinals' theory"; 2015 "Large Cardinals in Intuitionistic and Constructive Set Theory" GPA: 28.8/30
NOVEMBER 2016	Master of Arts Degree in PHILOSOPHY 110/110 *cum laude*, *Logic Specialization*, **University of Pisa**, Pisa The existance of alternate universes and the Continuum Hypothesis Advisor: Dott. Luca BELLOTTI | Co - Advisor: Prof. Marco FORTI GPA: 29.3/30
FALL 2015	Exchange Semester at **University of California**, Berkeley As a *Visiting Student Reasercher* Courses taken: Honors Introduction to Real Analysis (A); Introduction to Abstract Algebra (A+); Proof Theory
OCTOBER 2014	Bachelor Degree in PHILOSOPHY 110/110 *Logic Specialization*, **University of Pisa**, Pisa Second Order Logic and Graph Theory | Advisor: Enrico MORICONI GPA: 28.5/30

SUMMER 2014	**Ludwig-Maximilian Universität, Munich** Erasmus student from February to July 2014 Courses taken: Introduction to Proof Theory; Logic II
JULY 2011	**Liceo Classico "Istituto Villa Flaminia"**, Roma | Final Grade: 100/100

PUBLICATIONS

FORTHCOMING JUNE 2021	*Against universism*, The Logica 2020 Yearbook.
2018	*A naturalistic justification of the Generic multiverse with a core*, Preproceedings of the 41st International Wittgenstein Symposium.

TALKS

INVITED TALKS	*May 2016*: "Presentazione della biografia 'Storia di un comunista' con Toni Negri", Forum degli Allievi della Scuola Normale Superiore, Pisa.
REFEREED TALKS	*July 2020*: "Against Categoricity", 2020 Joint Session of the Mind Association and Aristotelean Society. *July 2019*: "The V-logic Multiverse", with Claudio Ternullo, Konstanz, $2^{n}d$ Forcing Project Networking Conference. *September 2018*: "A case in favour of the generic multiverse with a core", Konstanz, $1^{s}t$ Forcing Project Networking Conference. *August 2018*: "A naturalistic justification of the generic multiverse with a core", Kirchberg am Wechsel, $41^{s}t$ International Wittgenstein Symposium. *May 2018*: "A naturalistic account of the generic multiverse with a core", Prague, PhD in Logic X.
INTERNAL TALKS	*April 2018*: "A naturalistic account of the generic multiverse with a core", Salzburg, Work in Progress Seminar.

TEACHING

SUMMER SEMESTER 2020	*Introduction to Logic*, Master's Program in Philosophy, Fachberei Philosophie (KGW), PLUS Universität Salzburg.

REVIEWER OF THE FOLLOWING JOURNALS

Philosophy of Science

RESEARCH STATEMENT

I specialise in the Philosophy of Set Theory and in the Philosophy of Mathematics, but I also have serious interests in Logic proper, in the Philosophy of Logic, in the Philosophy of Language and in the Philosophy of Science. After finishing High School in Rome, I won (after a public examination) one of the 27 five year long Full Honour Scholarships at the Scuola Normale Superiore in Pisa. To maintain this scholarship for five years, the students must have a GPA of 27/30 at the University of Pisa and also prepare (and defend) an annual research paper and two term papers per year (for which the GPA of 27/30 still applies). During my third year I have been an Erasmus student in Munich, where I have worked on my Bachelor Thesis on "Second Order Logic and its application to Graph Theory". Then, during my fifth year, I have been another 6 months abroad, this time as a Visiting Student Researcher at the University of California, Berkeley. In Berkeley, since my major was in Philosophy, I have taken two foundational courses in mathematics (Real Analysis and Abstract Algebra) to gain more expertise in key areas of mathematics and get some official mathematical background. In November 2016 I graduated with a thesis on Pluralism in Philosophy of Mathematics. The main topic was the application of pluralistic ideas (the existence of more than one set theoretic universe) to the problem of the Continuum Hypothesis.

My present research focuses on the pluralist conception of the set-theoretic universe. In particular, I am interested in developing a new multiverse conception, the *V*-logic multiverse. Thus, I am mainly interested in questions regarding the philosophy of set theory, the foundations of mathematics, the pluralism/anti-pluralism debate, naturalism and second philosophy, the higher infinite, the continuum hypothesis, determinacy and inner models. My research interests also include intuitionism/constructivism, second order logic, type theory, proof theory, general philosophy of science, the demarcation problem, second order science, intentionality and language learning. I have also a very strong side interest in Linguistics – when I was in Pisa I wrote essays on formal Semantic, typology, computational linguistics and neurolinguistics.

WORK EXPERIENCE

DEC. 2013 JUN. 2013	Part Time Assistant at BIBLIOTECA SNS, Pisa Books' collocation checking, Collections' reordering and Labels' checking and retyping
SEPT. 2013	Part Time Assistant at BIBLIOTECA SNS, Pisa Setting up and dismantling of the exhibition "Un itinerario fra Biblioteche d'autore: il Fondo antico e le Collezioni storico-scientifiche della Biblioteca della Scuola Normale Superiore".
AUG. 2011 JUNE 2009	Coach Assistant at YCPA SAILING SCHOOL, Punta Ala, Italy

TERM PAPERS

OCT. 2015	"Prime numbers distribution and density" (30/30 *cum laude*)
MAY 2015	"Some notes on [Fisher&Hauser 2004]" (30/30 *cum laude*)
	"Prototype theory and compositionality" (30/30 *cum laude*)
APR. 2015	"A possible formalization of the progressive form" (30/30 *cum laude*)
OCT. 2014	"Theory of Species. Intuitionistic Set Theory" (30/30 *cum laude*)
DEC. 2013	"A grammatical account of *May Brat*" (30/30 *cum laude*)
OCT. 2013	"Recursion theory. The Equivalence Theorem and the Turing Theorem" (30/30 *cum laude*)
MAY 2013	"A Formal account of Verbal Aspect" (30/30)
OCT. 2012	"Second Order Logic and Set Theory" (30/30 *cum laude*)

AWARDS AND GRANTS

2019 - 2021	DOC-Scholarship from the Austrian Academy of Sciences for the PhD project "A naturalist justification of the Generic Multiverse with a core".
2011	Full scholarship at the Scuola Normale Superiore in Pisa.
2010	Honorable mention at NMUN, New York, 28th March - 6th April
2009	Honorable mention at the "Convegno Pirandelliano", Agrigento (Italy), December 2009

LANGUAGES

ENGLISH:	Fluent
ITALIAN:	Mothertongue
SPANISH:	Intermediate Knowledge
GERMAN:	Intermediate Knowledge

COMPUTER SKILLS

Basic Knowledge:	XML, HTML, LINUX (BASH scripting), DEBIAN, PYTHON 3.0
Intermediate Knowledge:	Office Suite (Excel, Word, PowerPoint, Access) Windows OS (10, 8.1, 8, 7, XP, 98)
Advanced Knowledge:	LaTeX

Interests and Activities

Political Philosophy, Linguistics (formal semantic, typology, neurolinguistic)
Technology, Open-Source, Programming
Football (soccer), Travelling, Golf (7.5 EGA HCP)