

GENERAL INFORMATIONS

Name: Matteo

Family name: Viale

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CURRENT AND PAST POSITIONS

Post Doc un the KGRC of Wien university: February 2007 - January 2010

ATER in the university Paris 7-Denis Diderot,

November 2005 - January 2007

Ph.D. student in the university Paris 7-Denis Diderot,

September 2003 - September 2006.

Ph.D. student in Torino university,

November 2001 - September 2006.

Junior research fellow in the Erwin Schrödinger institute,

Wien, October 2004 - December 2004.

HONOURS AND PRIZES

Laurea in Matematica

University of Pisa, 2001

Thesis advisor: Alessandro Berarducci

Title of the thesis: *I tipi intersezione per il Lambda calcolo e la logica modale*

Grade: 110/110 cum Laude

Doctorat en Logique mathématique

University Paris 7-Denis Diderot and university of Torino, 2006

Thesis advisors: Alessandro Andretta (University of Torino), Boban Veličković (University Paris 7-Denis Diderot)

Title of the thesis: *Applications of the proper forcing axiom to cardinal arithmetic*

Sacks prize 2006 for the best Ph.D. thesis in mathematical logic awarded by the Association of Symbolic Logic

PUBLICATIONS

- *The Proper Forcing Axiom and the Singular Cardinal Hypothesis*, The Journal of Symbolic Logic 71(2), pp.: 473-479, 2006.
- *A covering property, PFA and SCH*, Oberwolfach Reports 2(4), pp.: 3137-3139, 2005.
- *The cumulative hierarchy and the constructible universe of ZFA*, Math. Log. Q. 50(1), pp.: 99-103, 2004.
- *A binary modal logic for the intersection types of lambda-calculus*, Inf. Comput. 185(2), pp.: 211-232, 2003. (with Silvio Valentini)

CONFERENCES AND SEMINARS

- *The Proper Forcing Axiom implies the Singular Cardinal Hypothesis*, 9-th KGRC set theory workshop, 17-19 November 2005, Vienna, Austria.
- *A Covering Property, PFA and SCH*, MFO set theory workshop, 4-10 December 2005, Oberwolfach, Germany.
- *The P -ideal dichotomy and the SCH*, Séminaire général de Logique, 13 March 2006, Paris, France.
- *Forcing axioms and cardinal arithmetic*, Set theory and its neighbours 13, 15 March 2006, London, United Kingdom.
- *Applications of the Proper Forcing Axiom to cardinal arithmetic*, DMV mini-symposium in set theory, 21-22 September 2006, Bonn, Germany.
- *Assiomi di forcing e aritmetica cardinale*, Seminari di logica matematica, university of Torino, 27 November 2006, Torino, Italy.
- *A family of covering properties for forcing axioms and strongly compact cardinals* KGRC seminar talks, 22 March 2007, 29 March 2007, Vienna, Austria.
- *A family of covering properties for forcing axioms and strongly compact cardinals*, 1st european set theory meeting, Banach Center, 9-13 July 2007, Bedlewo, Poland.
- *The constructible universe for the anti-foundation axiom system ZFA*, invited speaker in the special session in set theory, 14-19 July 2007, Wroclaw, Poland.
- *Reflection principles and pcf-theory*, KGRC seminar talks, 15 November 2007, 22 November 2007, Vienna, Austria.
- *Reflection and approachability*, MFO set theory workshop, 14-19 January 2008, Oberwolfach, Germany.
- *Reflection and approachability*, Young set theory workshop, 21-25 January 2008, Bonn, Germany.