

Curriculum Vitae of Tamara Servi

Personal information

- Name : Tamara Servi
- Date of birth : 29/12/1976
- Nationality : Italian.
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Research domain

Model theory and applications to analytic geometry and transcendental number theory. In particular, o-minimal geometry; algorithms and decidability of expansions of the real field by analytic functions; quasi-analytic geometry.

University degrees

Year	Degree	Institution	Mark
2007	PhD in mathematics	Scuola Normale Superiore di Pisa	70/70 cum laude
2001	Laurea in matematica	University of Pisa	110/110 cum laude

Situation and professional experience

Period	Position	Institution
July 2008 -	Post-doc researcher	CMAF Universidade de Lisboa
March 2008 - May 2008	Invited researcher	Université de Mons (Belgium)
March 2006 - February 2008	Teaching assistant	University of Regensburg (Germany)
January 2005- February 2006	Pre-doc researcher (European grant RAAG)	University of Passau (Germany)

Prizes and grants

Year	Title	Institution
2008	Best PhD thesis	AILA - Italian association for logic and applications
2005	Research grant (6 months)	PRIN Modelli e Insiemi (Model theory and set theory)
1996	First prize as a talented student	Private foundation at Accademia dei Lincei

Languages spoken

Italian (native speaker); English (excellent); French (very good); German (very good); Portuguese (good).

Organisation of scientific events

- December 2005 Organisation of a Workshop on Model Theory, Real Geometry and Optimization (Konstanz, Germany).
- 2005-2006 Organisation of a seminar for students and young researchers (Regensburg, Germany).
- February 2009 Co-redaction of an application for a grant financed by the FCT (Foundation for science and technology in Portugal) for a project in model theory involving the research group at CMAF Universidade de Lisboa and other international researchers. The application has been accepted.
- October 2009 Organisation of Workshop on the Model Theory of Power Functions (Lisboa, Portugal). <http://www.ciul.ul.pt/logicmat/lgwebwrpf>.
- November 2009 Co-redaction of an application for a grant financed by the FCT (Foundation for science and technology in Portugal) and the CNRS France for a project in model theory involving the research group at CMAF Universidade de Lisboa and the university of Lyon. The application has been accepted.

Publications

Thesis

Tamara Servi. On the First-Order Theory of Real Exponentiation, Pisa, Edizioni della Normale, 2008, ISBN 978-88-7642-325-3.

My thesis has been selected by a committee of referees for publication in the series “Theses” of the Edizioni della Scuola Normale Superiore di Pisa.

Accepted and published papers

- (with A. Berarducci), “An effective version of Wilkie’s theorem of the complement and some effective o-minimality results”, *Annals of Pure Applied Logic* 125 (2004), no. 1-3, 43–74.
- (alone) “Noetherian varieties in definably complete structures” *Logic and Analysis*, Vol. 1, No. 3. (1 November 2008), pp. 187-204.
- (with A. Fornasiero) “Definably Complete Baire Structures”, to appear in *Fundamenta Mathematicae*.

Submitted papers

- (with G. Jones), “On the Decidability of the Real field with a Generic Power Function”
- (with A. Fornasiero), “Wilkie’s Theorem of the Complement for Definably Complete Baire Structures”
- (with A. Fornasiero), “Pfaffian closure for Definably Complete Baire Structures”

Teaching

Year	Course	Role	Institution
2003	Discrete mathematics (1 st semester)	Teaching assistant	Univ. of Pisa
2006	Linear algebra (2 nd semester)	Teaching assistant	Univ. of Regensburg
2006	Algebra (4 th semester)	Teaching assistant	Univ. of Regensburg
2007	Logic (6 th semester)	Teaching assistant	Univ. of Regensburg
2007	Linear algebra (1 st semester)	Teaching assistant	Univ. of Regensburg
2008	Geometry for high-school teachers	Seminar	Univ. of Regensburg

I have taught in Italian, English and German

Invited talks

University of Regensburg (Germany), November 2003	in the real geometry seminar.
University of Notre Dame, Indiana (U.S.A.), April 2004	in the logic seminar.
University of Illinois at Urbana-Champaign (E.U.), April 2004	in the logic seminar.
Wesleyan University, Connecticut (U.S.A.), April 2004	in the logic seminar.
University of Torino (Italy), July 2004	in the Logic Colloquium 2004.
University of Torino (Italy), April 2007	in the conference PRIN Modelli e Insiemi.
University of Perugia (Italy), June 2007	in the joint meeting UMI-DMV (Italian and German mathematical society).
Université de Paris 7 (France), April 2008	in the logic seminar.
University of Barcelona (Spain), November 2008	in the final meeting of MODNET (European network of model theory).
University of Manchester (U.K.), December 2008	in the logic seminar.
Fields Institute, Toronto (Canada), April 2009	in the seminar of the special semester in o-minimality.
Fields Institute, Toronto (Canada), June 2009	in the Workshop on Decidability.
Stefan Banach Mathematical Research and Conference Center, Bedlewo (Poland), August 2009	in the ESF Model Theory Meeting.
Université de Mons (Belgium), December 2009	in the Anglo-Belgian workshop in model theory.
Universités Paris 6 et 7 (France), December 2009	in the seminar of ordered algebraic structures.
University of Münster (Germany), January 2010	in the logic seminar.
Université de Lyon (France), February 2010	in the logic seminar.