

Curriculum Vitæ

Filippo Alberto Edoardo Nuccio Mortarino Majno di Capriglio

Personal and professional information

Date and place of birth January 23rd, 1982 – Turin (Italy).

Marital status Married.

Nationality Italian.

Position Associate professor (*Maître de Conférences*).

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Education

2004–2009 PhD in Mathematics, University of Rome “La Sapienza”: *On \mathbb{Z}_p -extensions of real abelian number fields*.

01.–07. 2007 Visiting researcher, Laboratoire des Mathématiques de Caen (France).

01.–07. 2006 Visiting researcher, Laboratoire des Mathématiques de Jussieu (Paris).

2000–2004 Master in Mathematics, University of Turin: *Minorazione dell’altezza di Weil in campi di numeri abeliani e CM*”.

Academic positions

11. 2013–présent Associate professor, Univ de Lyon, Université Jean Monnet, Saint-Étienne (France).

11. 2011–9. 2013 JSPS post-doctoral position, University of Osaka (Japan).

03. 2011–10. 2011 INDAM post-doctoral position, University of Milan (Italy).

06. 2009–02. 2011 MATCH post-doctoral position, University of Heidelberg (Germany).

01.–05. 2009 Invited researcher, University of Leiden (Netherlands).

Publications

Accepted papers

1. (with L. Caputo) *Class number formula for dihedral extensions*, Glasgow Mathematical Journal, to appear.
DOI:10.1017/S0017089519000144
2. (with N. Billerey) *Représentations galoisiennes diédrales et formes à multiplication complexe*, Journal de théorie des nombres de Bordeaux, 30 no. 2 (2018), 651-670.
DOI:10.5802/jtnb.1043.
3. *Fitting Ideals*, in J. Coates, C. S. Dalawat, A. Saikia and R. Sujatha (eds), “Guwahati Workshop on Iwasawa Theory of Totally Real Fields”, LNS 12, Ramanujan Mathematical Society, Mumbai, (2010) 83-95.
4. *Cyclotomic Units and Class groups in \mathbb{Z}_p -extensions of real abelian fields*, Mathematical Proceedings of the Cambridge Philosophical Society, 148 (2010), 93-106.
DOI:10.1017/S0305004109990119
5. (with Bruno Anglès) *On Jacobi Sums in $\mathbb{Q}(\zeta_p)$* , Acta Arithmetica, 142.3 (2010), 199-218.
DOI:10.4064/aa142-3-1.
6. (with Luca Caputo) *A Criterion for Greenberg’s Conjecture*, Proceedings of American Mathematical Society, 136 (2008), 2741-2744.
DOI:10.1090/S0002-9939-08-09283-6
7. (with Francesco Amoroso) *Algebraic Numbers of Small Weil’s Height in CM-fields: on a Theorem of Schinzel*, Journal of Number Theory, 122 (2007) 247-260.
DOI:10.1016/j.jnt.2006.04.005

Preprints

1. (with T. Ochiai) *Coleman Map in Coleman Families*, arXiv:1606.04441, submitted.
2. (with L. Caputo) *On fake \mathbb{Z}_p -extensions of number fields*, arXiv:0807.1135.

Talks

At Conferences

- April 2012 : International Workshop on Iwasawa theory (Osaka, Japan), three lectures on *p-adic L functions for totally real number fields*
- December 2011 : Algebraic Number Theory (RIMS, Kyoto, Japan), *Cyclotomic Units and Greenberg Conjecture*
- April 2011 : Instructional workshop on the noncommutative main conjectures (Münster, Germany), *Congruences between p-adic L-functions and Shintani decomposition*
- 12/08/2010 : ICM Satellite conference “Galois Representations in Arithmetic and Geometry” (Goa, India), *Congruences between p-adic L-functions*

- September 2008 : Guwahati Workshop on Iwasawa Theory of Totally Real Fields (Guwahati, India), two introductory courses on Fitting Ideals
- 09/06/2008 : Number fields, lattices and curves (Cetraro, Italy), *Cyclotomic units and class groups*
- 24/07/2005 : Number fields and curves over finite fields (Anogia, Greece), *Lower bound for Weil's height in abelian and CM fields*

At local seminars

I have been invited to give talks in regular seminars of the Universities of Waseda, Keio, Osaka (Japan), Montpellier, Besançon, Caen, Grenoble, Limoges, Lyon (France), Dublin (Ireland), Heidelberg, Essen, Berlin, Potsdam (Germany), Barcelona (Spain), Exeter, Durham (UK).

Editorial Tasks

- I serve as editor for the following journals:
 - 10. 2017–today Algebraic Combinatorics, (ed. Centre Mersenne): layout editor.
 - 06. 2017–today Mathematica Slovaca, (ed. De Gruyter Open): editor for the section “Number Theory”.
 - 09. 2016–today Journal of Mathematical Analysis and Application, (ed. Elsevier), managing editor.
 - 05. 2016–today Open Mathematics, (ed. De Gruyter Open): editor for the section “Number Theory”.
- I was external referee for the PhD thesis *On the Birch and Swinnerton-Dyer conjecture for elliptic curves of analytic rank 0* by Andrea Berti, defended in 2014 at the University of Milan, advised by prof. Massimo Bertolini.
- I have served as referee for the following journals:
 - Journal de Théorie des Nombres de Bordeaux (ed. Cedram).
 - Confluentes Mathematici (ed. Cedram).
 - Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg (ed. Springer).
- I am an active reviewer for the mathematical database MathSciNet and I was a reviewer for the database Zentralblatt MATH until December 2016.

Other skills

Computing Good knowledge of \LaTeX , HTML, pari/gp.

Languages

- Italian: native.
- English, French: C2
- German: B2
- Hebrew, Yiddish: A2