Milton Minervino

Curriculum Vitae - April 2014

Chair of Mathematics and Statistics
Department of Mathematics and Information Technology
University of Leoben
Franz-Josef Strasse 18, A-8700 Leoben, Austria

Phone: +43 3842 402 3811
Fax: +43 3842 402 3802

EMAIL: minervino@math.tugraz.at
HOME PAGE: http://www.math.tugraz.at/∼minervino

Personal details

Name: Milton Minervino
Born: October 28, 1985 (Torino, Italy)
Nationality: Italian

PhD studies

since 10/2010   Ph.D. studies in Mathematics at University of Leoben, within the Doctoral Program "Discrete Mathematics" supported by the Austrian Science Fund (FWF grant W1230).
Advisor: Prof. Jörg Thuswaldner.
Thesis title: *Rauzy fractals and tilings.*
Defense: July 1, 2014.

Research interests

Substitutions, Rauzy fractals and tilings, numeration systems (beta-numeration), symbolic dynamical systems, number theory.

Research visits

04/12-07/12   Visiting Ph.D. student at LIAFA, CNRS, Université Paris Diderot - Paris 7, Paris (France).
01/12-03/12   Visiting Ph.D. student at Macquarie University, Sydney (Australia).

Education

2007-2010   MSc in Mathematics, University of Torino (Italy).
Thesis: *Automatic sequences*. Advisor: Prof. U. Cerruti. Passed with 110 (out of 110) cum laude.

2004-2007   BSc in Mathematics, University of Torino (Italy).
Thesis: *Cyclic error correcting codes*. Advisor: Prof. U. Cerruti. Passed with 110 (out of 110) cum laude.

2004   Italian Secondary School Certificate.

University studies in foreign countries

10/07-07/08   Erasmus at University of Granada (Spain).

Publications

Journal articles

2014   *The geometry of non-unit Pisot substitutions*, with J.M. Thuswaldner, to appear in Ann. Inst. Fourier (Grenoble) 64 (2014).

2014   *Tilings for Pisot beta-numeration*, with W. Steiner, to appear in Indagationes Mathematicae (2014).

Preprints

2014   *Dynamics of reducible Pisot substitutions*, in preparation (2014).

Talks

03/04/2014   *Geometric representations for reducible Pisot substitutions*, Arithmetic and Dynamics seminar, TU Graz (Austria).

10/01/2014   *Tilings for Pisot beta numeration*, DK advanced topics seminar, MU Leoben (Austria).

20/11/2013   Poster *Rauzy fractals and tilings*, at workshop "Geometric structures in low-dimensional dynamics", ICERM, Brown University, Providence (Usa).

26/09/2013   *Fractals arising from numeration and substitutions*, ÖMG-DMV Congress, Innsbruck (Austria).

03/05/2013   *Escaping unimodularity and irreducibility for Pisot numeration*, FAN workshop, LIAFA, Paris 7 (France).

14/01/2013   *Escaping unimodularity for Pisot numeration*, Subtile 2013, CIRM Marseille (France).

20/12/2012   *Solenoids, duality and natural extensions*, University of Torino, Torino (Italy).

23/05/2012   Poster *Non-unimodular Pisot substitutions*, CANT 2012, CIRM Marseille (France).

28/02/2012   *Pisot substitutions, numeration and tilings*, Macquarie University, Sydney (Australia).

19/12/2011   *Rauzy fractals*, University of Torino, Torino (Italy).

02/12/2011   *Non-unimodular Pisot substitutions*, DK advanced topics seminar, TU Graz (Austria).

Conferences and workshops

18-20/12/2013   *Approximation and numeration*, LIAFA Paris 7, Paris (France).

18-22/11/2013   *Geometric structures in low-dimensional dynamics*, ICERM, Brown University, Providence (Usa).

23-27/09/2013   *ÖMG-DMV Congress 2013*, Innsbruck (Austria).

02-03/05/2013   *FAN workshop*, LIAFA Paris 7 (France).

02-04/04/2013   *STAR workshop Probability and Numbers*, TU Delft (Holland).

14-18/01/2013   *Subtile 2013*, CIRM Marseille (France).

21-25/05/2012   *CANT 2012: School on combinatorics, automata and number theory*, CIRM Marseille (France).

12-16/03/2012   *International number theory conference in memory of Alf van der Poorten*, Newcastle (Australia).

10-14/10/2012   *Workshop on Dynamics and Number Theory*, The Erwin Schrödinger International Institute for Mathematical Physics, Vienna (Austria).

04-08/07/2011   *Workshop on topology of wild spaces and fractals*, Strobl (Austria).

06-10/06/2011   *Numeration 2011*, Liège (Belgium), June 6-10, 2011.

Teaching

2013-2014   Lecturer in seminars on dynamical systems, occasional substitute exercise assistant at University of Leoben.

2009   Tutoring activities (50 hours) for first-year students at University of Torino.

Computer skills

Latex. Programming experience in C, Maple, Mathematica, Matlab and Sage.

Language skills

Italian (native), English, German, French, Spanish (fluent).

Other personal interests

Music, theatre, photography, juggling, travels.