

Yuri F. Bilu

Curriculum Vitae

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Personal

Date and Place of Birth August 29, 1964, Minsk, U.S.S.R.
Citizenship French, Israeli
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Degrees

Habilitation University of Basel, 2000
Thesis Diophantine Analysis and Additive Theory
Ph. D. Ben-Gurion University of the Negev, Beer-Sheva, Israel, 1994
Advisor Prof. D. Berend
Thesis Effective Analysis of Integral Points on Algebraic Curves
B. Sc. & M. Sc. Byelorussian State University, Minsk, 1986
Advisor Prof. V.G. Sprindzhuk
Thesis Effective Analysis of a Class of Diophantine Equations

Employment History

Since 2000 Professor of Mathematics
IMB, Université Bordeaux I (exceptional class professor since 2014)
1998 - 2000 Assistant (Privat-Dozent since June 2000)
Mathematisches Institut, Universität Basel
1996 - 1997 Researcher
Forschungsinstitut für Mathematik, ETH Zürich
1995 - 1996 Researcher
Max-Planck-Institut für Mathematik, Bonn
1994 - 1995 Researcher
Mathematisches Institut, Universität Göttingen
1993 - 1994 Researcher
Mathématiques Stochastiques, Université Bordeaux 2
1990 - 1993 Assistant
Department of Mathematics and Computer Science
Ben-Gurion University, Beer-Sheva, Israel
1986 - 1990 Programmer, "Belgosproject", Minsk

Short Visits

I visited more than once the following institutions:

- Max-Planck-Institut für Mathematik, Bonn
- Erwin Schrödinger Institute for Mathematical Physics, Vienna

- Stellenbosch University
- UNAM, Morelia
- Hausdorff Institute for Mathematics, Bonn
- Centro di Ricerca Matematica "Ennio De Giorgi", SNS Pisa
- Forschungsinstitut für Mathematik, ETH Zürich
- Universität Basel
- Byelorussian State University, Minsk
- Indian Statistical Institute, Bangalor
- Centre de recherches mathématiques, Montréal
- Ben-Gurion University of the Negev, Beer-Sheva
- Technische Universität Graz
- University of Debrecen
- Wits University, Johannesburg
- Chennai Institute of Mathematical Sciences
- Xiamen University
- University of Valparaiso
- Humboldt Universität Berlin

Besides these, I was a short term visiting professor or researcher in the following institutions:

May - June 2017	Fields Institute, Toronto
March 2017	Shanghai Center for Mathematical Studies
August - September 2015	University of Copenhagen
April 2014	University of Dublin
February 2014	Indian Statistical Institute, Delhi
May 2013	Utrecht University
April 2013	Higher School of Economics, Moscow
February 2012	Chennai Mathematical Institute
July-August 2010	Tata Institute of Fundamental Research, Bombay
February-March 2007	Università di Pisa, Italy
November 2006	Technische Universität Berlin, Germany
December 1996	Universität Bielefeld
May - October 1996	Instituto de Matemática Pura e Aplicada, Rio de Janeiro
April - May 1996	Karl-Franzens-Universität, Graz
October - December 1995	Macquarie University
June 1994	Istituto Universitario di Architettura di Venezia

Selected Conference Talks

I participated and gave talks at many conferences held at

- CIRM, Marseille
- Mathematisches Forschungsinstitut, Oberwolfach
- Erwin Schrödinger Institute, Vienna
- Euler Institute, St Petersburg

Besides this, I was invited speaker at the following conferences:

August 2018	Arithmetic Geometry, Number Theory, and Computation, MIT
January 2018	"L-Functions and Algebraic Varieties" (in memory of A. Zykin), Moscow
October 2017	Conference in honor of Robert Tichy's 60th birthday, Graz
June 2017	"O-minimality and Diophantine Applications", Fields Institute, Toronto
June 2016	Conference in honor of M. Waldschmidt, Leuca

May 2016	"Current Trends in Diophantine Geometry and Transcendence", Taipei
February 2016	"Computational Aspects of Diophantine Equations", Salzburg
May 2015	"Chilean Number Theory Day", Valparaiso
January 2015	"HAMOT Closure Meeting", Grenoble
July 2014	"Diophantine Geometry", Cetraro
February 2014	Algebraic Geometry instructional conference, HRI, Allahabad
October 2013	Conference in honor of W. Schmidt, Vienna
July 2013	"Special Numbers and Special Functions" (dedicated to F. Beukers), Utrecht
April 2013	"Arithmetic & Geometry", Bonn
January 2013	Arithmetic Geometry, Stellenbosch
August 2012	"Diophantine Geometry", Beijing
June 2012	"Zilber-Pink conjecture", Paris
April 2012	Biannual meeting of the Dutch Math. Society, Eindhoven
January 2011	"Arithmetic Geometry", Stellenbosch
January 2010	"Torsion of Abelian Schemes and Rational Points on Moduli Spaces", Bordeaux
June 2009	"Diophantine Geometry Into the Millenium" (dedicated to G. Wüstholz), ETH Zürich
December 2007	"Additive Combinatorics", IAS, Princeton
October 2007	"Explicit Methods in Number Theory" (dedicated to H. Cohen), Bordeaux
November 2006	Séminaire Bourbaki, IHP, Paris
February 2006	Colloquium Di Giorgi, SNS Pisa
June 2005	"Diophantine geometry", SNS Pisa (2 talks)
August 2003	"Diophantine approximations" (in honor of Robert Tijdeman), Lorentz Center, Leiden
August 2003	"Diophantine approximations", Minsk
July 2003	Journées Arithmétiques, Graz (plenary talk)
November 2002	Séminaire Bourbaki, IHP, Paris
Sept. 2002	"Explicit algebraic number theory", Lorentz Center, Leiden
October 2001	"Constructive Methods in Diophantine Equations", Debrecen
Sept. 1999	"Number Theory and Diophantine Geometry" (in honor of Alan Baker), Zürich
October 1998	"Numbers, Information and Complexity" (in honor of Rudolf Ahlswede), Bielefeld
Sept. 1998	"Diophantine Analysis and Algebraic Number Theory", Graz
July 1997	"Number Theory" (in honor of Andrzej Schinzel), Zakopane
February 1996	"Combinatorial Number Theory" DIMACS, Rutgers Univ., NJ, USA
July 1993	"Arithmetic Of Elliptic Curves", Crete

Invited Mini-courses

I gave more than one mini-course at

- Stellenbosch University
- Chennai Institute of Mathematical Sciences
- University of Basel
- Xiamen University
- University of Valparaiso

Besides this, I was giving mini-course at the following institutions and/or events:

January 2018	CIMPA School "Explicit Number Theory", Wits University, Johannesburg
May 2014	Humboldt Universität, Berlin
August 2011	"Algebra and Geometry" summer school, Yaroslavl
July-August 2010	Summer School "Analytic Methods in Number Theory", Tata Institute, Mumbai
August 2009	International School "EMALCA", Zacatecas
June 2009	Diophantine Geometry School, Rennes
November 2008	CRM, Montreal
February-March 2007	University of Pisa
April-May 1996	University of Graz

Professional Service

- Co-organizer of the international conference "Explicit Number Theory", (Valparaiso, January 2019)
- The French coordinator of a joint French-Chilean Ecos Sud program (2018-2020)
- The French coordinator of the international program GandA (France-Denmark-South Africa-Madagascar)
- Co-organizer of the CIMPA School "Explicit Number Theory" (Johannesburg, January 2018)
- Co-organizer of the international conference "Journées Algophantiennes Bordelaises" (Bordeaux, June 2017)
- Co-organizer of the international conference "Thue 150" (Bordeaux, October 2013)
- Coordinator of the *Agence Nationale de la Recherche* project "HAMOT" (2011-15)
- Member of the Scientific Council of the *Journal de Théorie des Nombres de Bordeaux* (since 2005)
- Member of the Editorial Board of the *Internatiuonal Journal of Number Theory* (since 2009)
- Coordinator of the "Problèmes Diophantiens" group at the *Institut de Mathématiques de Bordeaux* (2007-2013 and since 2014)
- Co-organizer of the "Diophantine Geometry" trimester at the Centro De Giorgi (April-July 2005)
- Local coordinator for the Erasmus Mundus ALGANT program (2007-2013)
- Refereed articles for the following journals:
Annals of Mathematics II • *Inventiones mathematicae*
Journal of the American Mathematical Society • *Compositio Mathematica*
Journal für die reine und angewandte Mathematik • *Journal of Number Theory*
Transactions of the American Mathematical Society • *Acta Arithmetica*
Mathematical Proceedings of the Cambridge Philosophical Society
International Journal of Number Theory • *Monatshefte für Mathematik*
Journal of the London Mathematical Society • *Journal of Symbolic Computation*
Journal de Théorie des Nombres de Bordeaux • *Electronic Journal of Combinatorics*
Journal of the Australian Mathematical Society • *Combinatorica*
Quarterly Journal of Mathematics • *The Royal Society of Edinburgh Proceedings A*
Publicationes Mathematicae Debrecen • *Rocky Mountains Journal of Mathematics*
- Reviewed more than 170 articles for the *Mathematical Reviews*

Ph.D students with Graduation Year

Emanuele Tron	starting in 2018	Marco Strambi	2009
Cai Yulin	started in 2016	Benjamin Dupuy	2009
Antonin Riffaut	2018	Marco Illengo	2008
Boris Bartolome	2015	Mourad Abouzaid	2006
Sha Min	2013	Guillaume Bordes	2005
Aurélien Bajolet	2012		

Awards

2012	Beeger Lectureship (Netherlands)
2001, 2005, 2009, 2013, 2017	Prime d'encadrement doctoral et de recherche (PEDR), France
1997	Lise Meitner Postdoctoral Fellowship, Austria
1993	Bourse Chateaubriand du Gouvernement Français, France
1993	Wolf Scholarship, Israel

Languages

Russian, French, English, German, Hebrew.