

Yuri F. Bilu

## Curriculum Vitae

August 25, 2015

### Personal

**Date and Place of Birth** August 29, 1964, Minsk, U.S.S.R.  
**Citizenship** French, Israeli  
**Address** IMB, Université Bordeaux I  
351, cours de la Libération  
33 405 Talence cedex, FRANCE  
**E-mail** yuri@math.u-bordeaux.fr  
**Web Site** <http://www.math.u-bordeaux.fr/~yuri/>

### 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 many times 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, Bangalore
- Centre de recherches mathématiques, Montréal
- Ben-Gurion University of the Negev, Beer-Sheva
- Technische Universität Graz
- University of Debrecen

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

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

## Selected Conference Talks

I participated and gave talks at many conferences held at CIRM (Marseille), Mathematisches Forschungsinstitut (Oberwolfach) and Erwin Schrödinger Institute (Vienna). Besides this, I was invited speaker at the following conferences:

<b>May 2015</b>	"Chilean Number Theory Day", Valparaiso
<b>January 2015</b>	"HAMOT Closure Meeting", Grenoble
<b>November 2014</b>	"Number Theory and Allied Subjects", Euler Inst., St Petersburg
<b>July 2014</b>	"Diophantine Geometry", Cetraro
<b>February 2014</b>	Algebraic Geometry instructional conference, HRI, Allahabad
<b>October 2013</b>	Conference in honor of W. Schmidt, Vienna

<b>July 2013</b>	“Special Numbers and Special Functions” (dedicated to F. Beukers), Utrecht
<b>April 2013</b>	“Arithmetic & Geometry”, Bonn
<b>January 2013</b>	Arithmetic Geometry, Stellenbosch
<b>August 2012</b>	“Diophantine Geometry”, Beijing
<b>June 2012</b>	“Zilber-Pink conjecture”, Paris
<b>April 2012</b>	Biannual meeting of the Dutch Math. Society, Eindhoven
<b>January 2011</b>	“Arithmetic Geometry”, Stellenbosch
<b>January 2010</b>	“Torsion of Abelian Schemes and Rational Points on Moduli Spaces”, Bordeaux
<b>June 2009</b>	“Diophantine Geometry Into the Millenium” (dedicated to G. Wüstholz), ETH Zürich
<b>December 2007</b>	“Additive Combinatorics”, IAS, Princeton
<b>October 2007</b>	“Explicit Methods in Number Theory” (dedicated to H. Cohen), Bordeaux
<b>November 2006</b>	Séminaire Bourbaki, IHP, Paris
<b>February 2006</b>	Colloquium Di Giorgi, SNS Pisa
<b>June 2005</b>	“Diophantine geometry”, SNS Pisa (2 talks)
<b>June 2004</b>	“Diophantine geometry”, Euler Institute, Sankt-Petersburg
<b>August 2003</b>	“Diophantine approximations” (in honor of Robert Tijdeman), Lorentz Center, Leiden
<b>August 2003</b>	“Diophantine approximations”, Minsk
<b>July 2003</b>	Journées Arithmétiques, Graz (plenary talk)
<b>November 2002</b>	Séminaire Bourbaki, IHP, Paris
<b>September 2002</b>	“Explicit algebraic number theory”, Lorentz Center, Leiden
<b>October 2001</b>	“Constructive Methods in Diophantine Equations”, Debrecen
<b>September 1999</b>	“Number Theory and Diophantine Geometry” (in honor of Alan Baker), Zürich
<b>October 1998</b>	“Numbers, Information and Complexity” (in honor of Rudolf Ahlswede), Bielefeld
<b>September 1998</b>	“Diophantine Analysis and Algebraic Number Theory”, Graz
<b>July 1997</b>	“Number Theory” (in honor of Andrzej Schinzel), Zakopane
<b>February 1996</b>	“Combinatorial Number Theory” DIMACS, Rutgers Univ., NJ, USA
<b>July 1993</b>	“Arithmetic Of Elliptic Curves”, Crete
<b>September 1989</b>	Number Theory School, Minsk

### Invited Mini-courses

<b>April-June 2015</b>	University of Valparaiso
<b>May 2014</b>	Humboldt Universität, Berlin
<b>January-February 2014</b>	Chennai Institute of Mathematical Sciences
<b>February 2012</b>	Chennai Mathematical Institute and Chennai Institute of Mathematical Sciences
<b>August 2011</b>	“Algebra and Geometry” summer school, Yaroslavl’
<b>March-April 2011</b>	University of Basel
<b>July-August 2010</b>	Summer School “Analytic Methods in Number Theory”, Tata Institute, Mumbai
<b>August 2009</b>	International School “EMALCA”, Zacatecas
<b>June 2009</b>	Diophantine Geometry School, Rennes
<b>November 2008</b>	CRM, Montreal
<b>February-March 2007</b>	University of Pisa
<b>April-May 2005</b>	University of Basel
<b>April-May 1996</b>	University of Graz

## Professional Service

- 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)
- 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 150 articles for the *Mathematical Reviews*

## Ph.D students with Graduation Year

<b>Antonin Riffaut</b>	starting in 2015	<b>Benjamin Dupuy</b>	2009
<b>Boris Bartolome</b>	2015 (expected)	<b>Marco Illengo</b>	2008
<b>Sha Min</b>	2013	<b>Mourad Abouzaid</b>	2006
<b>Aurélien Bajolet</b>	2012	<b>Guillaume Bordes</b>	2005
<b>Marco Strambi</b>	2009		

## A Selection of Courses Taught

<b>Stellenbosch University</b>	Analytic Number Theory Diophantine Approximations p-adic Numbers and Diophantine equations Cyclotomic Fields
<b>University of Bordeaux (since 2000)</b>	Algebra Groups, Integration, Probability Advanced Number Theory Diophantine Analysis on Algebraic Curves Cyclotomic Fields Diophantine Approximations Analytic Number Theory
<b>University of Basel (1998-2000)</b>	Functional analysis Higher Arithmetic 1 & 2 Probability and Statistics 1 & 2
<b>Ben-Gurion University (1990-1993)</b>	Discrete Mathematics Differential Equations Mathematical Logic and Set Theory Partial Differential Equations

## Awards

2012	Beeger Lectureship (Netherlands)
2001, 2005, 2009, 2013	Prime d'excellence scientifique (former PEDR), France
1997	Lise Meitner Postdoctoral Fellowship, Austria
1993	Bourse Chateaubriand du Gouvernement Français, France
1993	Wolf Scholarship, Israel

## Languages

Russian, Hebrew, English, German, French.