

# Curriculum Vitae

Dmitry Sustretov  
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## Employment

2017 – Max Planck Institut für Mathematik, Germany, postdoctoral research fellow  
2016–2017 University of Lille, France, ERC postdoctoral research fellow  
2014–2016 Hebrew University of Jerusalem, Israel, ERC postdoctoral research fellow  
2012–2014 Ben-Gurion University, Be’er Sheva, Israel, postdoctoral research fellow

## Education

2008–13 DPhil, University of Oxford  
2010 Ph.D., INRIA Nancy Grand Est, projet TALARIS  
2005 Master in Computer science, Université Henri Poincaré, Nancy, France  
2004 Master in Applied Mathematics and Computer Science, Voronezh State University, Russia  
2002 Bachelor in Mathematics, Voronezh State University

DPhil thesis “Non-algebraic Zariski geometries” in Mathematics under supervision of Boris Zilber.

Ph.D. thesis “Topological semantics for hybrid logic” in Computer Science under supervision of Patrick Blackburn.

## Scholarships

Hill Foundation Scholarship, 2008-2012  
Bourse de la région de Lorraine, 2005-2008  
Bourse du Gouvernement Français, 2004

## Invited talks

2018 “Gromov-Hausdorff limits of curves of genus  $\geq 1$  with flat metrics with singularities”, British Postgraduate Model Theory Conference, Oxford, UK  
2017 “Incidence systems on Cartesian products of algebraic curves”, seminar Géométrie et théorie des modèles, Paris, France  
“Gromov-Hausdorff limits of curves of genus  $\geq 1$  with flat metrics with singularities”, SFB Seminar, University of Regensburg, Germany

- “Asymptotic integration and non-Archimedean geometry”, Model theory seminar, University of Münster, Germany
- “Trichotomie de Zilber et une application au programme anabélien birationnel de Bogomolov”, Séminaire d’algèbre, topologie et géométrie, University of Nice, France
- “Restricted Zilber’s trichotomy in dimension 1”. Series of talks, UC Berkeley, USA
- 2016 “Trichotomie de Zilber et une application au programme anabelien birationnel de Bogomolov”. Séminaire Arithmétique, University of Lille, France
- “Gromov-Hausdorff limits and model theory”. Séminaire Géométrie des espaces singuliers, University of Lille, France
- “Zilber trichotomy for reducts of algebraic curves”. Workshop on Zilber trichotomy, Siringe, Turkey
- “Zilber trichotomy for reducts of algebraic curves”. Model theory month in Muenster, final workshop, University of Muenster, Germany
- 2015 “Zilber trichotomy for reducts of algebraic curves”. Logic seminar, University of Oxford, UK
- “Gromov-Hausdorff limits of Calabi-Yau manifolds via model theory”. Seminar Réga, Paris (réseau d’étudiants en géométrie algébrique)
- “Zilber’s restricted trichotomy”, Univeristy Paris 7 model theory seminar
- “Non locally modular reducts of ACF”. Neostability theory workshop, Oaxaca, Mexico
- 2014 “Generalized imaginaries and Galois cohomology”. Classification theory ICM Satellite Workshop, Daejeon, South Korea
- “Incidence systems on products of algebraic curves”. Algebraic geometry and number theory seminar, University of Ben Gurion, Be’er Sheva, Israel
- “Non-standard Zariski geometries”. Algebra seminar, University of Haifa, Israel
- “Definable groupoids, generalized imaginaries and Zilber’s non-standard Zariski geometries”. Logic seminar, Hebrew University of Jerusalem
- 2012 “Torelli theorem for curves over finite fields via model theory”. Seminar of Laboratory of algebraic geometry and its applications, Faculty of Mathematics, Higher School of Economics, Moscow, Russia (October 2012)
- 2011 “Zilber’s trichotomy”. Logic seminar, Univeristy Paris 7
- “Quantum Zariski geometries”. Model theory seminar, Univeristy Paris 7

## **Teaching experience**

- Université Henri Poincaré. Introduction to Mathematics, first semester, 2007 (Licence Sciences de la Matière, practice sessions, 3 hours/week);
- University of Oxford. B1a Logic, B9a Galois theory, Michaelmas Term 2010 (teaching assistant). C1.1b Model theory, B3b Algebraic curves, Hillary Term 2011 (teaching assistant);
- mini-course “Introduction to geometric model theory”, Mathematics department, Higher School of Economics, Moscow, Russia, 2013.

## **Organisational experience**

- participation in organisation of ESSLLI Student Session 2006 in Málaga, Spain (co-chair of Logic and Computation track);
- chair (with Ville Nurmi) of ESSLLI Student Session 2007, Dublin, Ireland;

## **Language skills**

English (fluent), French (fluent), Russian (native speaker).

## **References**

Available upon request from:

- Prof. Ehud Hrushovski, University of Oxford, UK
- Prof. Boris Zilber, University of Oxford, UK
- Dr. Raf Cluckers, DR CNRS, Laboratoire Paule Painlevé, Lille, France, and KU Leuven, Belgium
- Dr. Assaf Hasson, Ben Gurion University of Negev, Israel