# Curriculum Vitae

Dmitry Sustretov
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## Appointments

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| 2019 – 2021 | KU Leuven, Belgium |
| 2018 | NRU Higher School of Economics, Moscow, Russia |
| 2017 | MPIM Bonn, Germany |
| 2016 | University of Lille, France |
| 2014 | Hebrew University of Jerusalem, Israel |
| 2012 | Ben-Gurion University, Be'er Sheva, Israel |

## Education

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|---|---|
| 2008–12 | DPhil, University of Oxford |
| 2010 | Ph.D., INRIA Nancy Grand Est |
| 2005 | Master in Computer science, Université de Lorraine, Nancy, France |
| 2004 | Master's degree (Applied Mathematics and Computer Science), Voronezh State University, Russia |
| 2002 | Bachelor degree (Mathematics), Voronezh State University |

## Scholarships

Marie Curie Individual Fellowship
(project NALIMDIF, host: Nero Budur, KU Leuven), 2019-2021
Hill Foundation Scholarship, 2008-2012
Bourse de la région de Lorraine, 2005-2008
Bourse du Gouvernement Français, 2004

## Visits

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| 01/2019 – 03/2019, 01/2018 – 02/2018 | IHES |
| 03/2018 | Institut Henry Poincaré, semester in Model theory, valuations and combinatorics |

## Organized events

Summer school "Tropical homology and Hodge theory" (23-27 August 2021, online).

## Teaching experience

Undergraduate and graduate practice sessions: Logic, Galois theory, Model theory, Algebraic curves (Oxford), Commutative algebra (KU Leuven),

Graduate reading group in moduli of K3 surfaces, (KU Leuven, Spring 2020),

Undergraduate research projects supervision (KU Leuven, Fall 2020).

## Selected invited talks

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| 2019 | "Gromov-Hausdorff limits of curves of genus $\geq 1$ with flat metrics with singularities", Non-Archimedean Geometry and Applications, Oberwolfach, Germany |
| 2017 | "Incidence systems on Cartesian products of algebraic curves", seminar Géometrie et théorie des modèles, Paris, France |
| | "Restricted Zilber's trichotomy in dimension 1". Series of talks, UC Berkeley, USA |
| 2015 | "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 |
| 2013 | Mini-course "Introduction to geometric model theory", Mathematics department, Higher School of Economics, Moscow, Russia |
| | "Definable groupoids, generalized imaginaries and Zilber's non-standard Zariski geometries". Logic seminar, Hebrew University of Jerusalem |

## Language skills

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

## Publications

1. *Hessian metrics with distribution coefficients on a 2-sphere.* D. Sustretov. In preparation.

2. *Combinatorial part of the cohomology of the nearby fibre.* D. Sustretov. arXiv:math/2202.08888)

3. *Gromov-Hausdorff limits of flat Riemannian surfaces.* D. Sustretov. submitted. arXiv:math/1802.03818)

4. *Motivic volume of families of polarized rigid-analytic tori.* D. Sustretov. arXiv:math/1805.04942)

5. *Incidence systems on Cartesian powers of algebraic curves* A. Hasson, D. Sustretov.
arXiv:1702.05554, submitted, 2017.

6. *Generalised imaginaries and Galois cohomology* , *Journal of Symbolic Logic*, 81(3), pp. 917–935, 2016. (preprint: arXiv:1312.2273v2).

7. *The Quantum Harmonic Oscillator as a Zariski Geometry.* V. Solanki, D. Sustretov and B. Zilber. *Annals of Pure and Applied Logic*, 165(6): 1149–1168, 2014. (preprint: arXiv:0909.4415.)

8. *Hybrid logics of separation axioms.* Dmitry Sustretov. *Journal of Logic, Language and Information*, 18(4), 2009.

9. *Modal languages for topology: expressivity and definability.* Balder ten Cate, David Gabelaia and Dmitry Sustretov. *Annals of Pure and Applied Logic*, 159(1-2):146-170, 2009. (preprint: arXiv:math/0610357)