

CURRICULUM VITAE

MISHA VERBITSKY

Born: June 20, 1969, Moscow, USSR

Citizenship: Russia

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Education:

- 1990 Moscow State University
- 1995 Ph.D. Harvard University

Positions Held:

1990-91: Visiting Scholar, MIT

1991-95: Graduate Student, Harvard University

1996-97: Institute of Advanced Study, Princeton (postdoc)

1997-99: European Post-Doctoral Institute (postdoc)

2003-10: Institute of theoretical and experimental physics, Moscow (research affiliate)

2002-07: Glasgow University, EPSRC Advanced Fellow (associate level research position)

2010– Faculty of Mathematics, Higher School of Economics (full professor; currently on leave)

1996– Moscow Independent University (full professor since 2013)

2010– Laboratory of algebraic geometry and its applications, HSE (chair, vice-chair).

2015–2017: Université libre de Bruxelles (charge de cours).

2017– IMPA, Pesquisador Titular (Full Professor).

Ph.D. Thesis: “Cohomology of compact hyperkaehler manifolds”, under supervision of David Kazhdan.

Visiting:

- 2008— University of Tokyo, IPMU (“joint appointment”: a visiting professor position).
- Visitor at IHES (1997, 2006), MPI, Bonn (1999-2000, 2006), MSRI (2002).

Grants, awards and honors:

- Simons-IUM Fellowship (2011, 2013, 2015, 2016)
- ICM section talk (2014)
- CRDF grants RM1-2087 (as a principal co-investigator) and RM1-2354-MO02 (a grant for international joint research group offered by an international disarmament foundation), 1997-2001.
- EPSRC grant GR/R77773/01 (Advanced Research Fellow), 2002-2007.
- AG Laboratory NRU-HSE, RF government grant, ag. 11.G34.31.0023 (a 5 million dollar grant offered for the research laboratory lead by Fedor Bogomolov).
- RSCF grant 14-21-00053, for fundamental research as the lead investigator, 2014-1016 (a 20 million roubles grant for a mid-size research collective).
- CNPq Bolsas de Produtividade em Pesquisa, 313608/2017-2, categoria 1C.

Papers: See <http://scholar.google.co.il/citations?hl=en&user=8KhODVoAAAAJ>. I wrote 91 papers, 53 of them in collaboration, a monograph and a textbook. 79 of these papers were published in peer-refereed publications, the rest is available from arxiv.org.

Books:

- “Hyperkaehler manifolds”, by M. Verbitsky and D. Kaledin, Mathematical Physics, 12. International Press, 1999. iv+257 pp.
- “Topology for first-year students”, (in Russian), 370 pp, Independent University of Moscow Press (2017).

Conference talks: More than 70 invited talks in international conferences (Oberwolfach, ICTP, CIRM, MSRI, CRM, NYU, SCGP, Edinburgh, Durham, Rome, Bonn, Bucharest, Moscow, Cambridge, Poland, Singapore, Argentina, Brasil, India, Korea, Thailand).

Editorship:

- Member of the Editorial Advisory Board for “Complex Manifolds” (De Gruyter).
- Member of the Editorial Board for *Épjournal de Géométrie Algébrique* (episciences.org).
- Member of the Editorial Board for “Journal of Geometry and Physics” (Elsevier).

Research interests: Algebraic geometry, differential geometry, hyperkähler geometry, calibrations on manifolds, ergodic theory, geometric group theory, hyperbolic geometry, quaternionic structures, CAT-spaces, locally conformally Kähler manifolds, Yang-Mills theory, Hodge theory, symplectic topology.

Ph. D. students:

Andrey Soldatenkov: completed in 2014 (now in Bonn University)

Nikon Kurnosov: completed in 2017 (now in University of Georgia)

Artour Tomberg: ongoing (jointly with Jacques Hurtubise)

Dmitry Korshunov: ongoing.

Family status: Married, with four children, Sima, Alesha, Masha, Vitya, 27, 26, 17 and 13 years old. My wife, Yulya Fridman, born in 1970, B. Sc., is a researcher in physics.

Teaching: Designed a curriculum for first- and second-year math majors (algebra, number theory, analysis, topology). Gave lectures for first-year undergraduate students based on this curriculum (2004, 2008). Wrote problem-based undergraduate text-books on measure theory, Galois theory and point-set topology. Gave graduate courses on algebraic geometry, Kähler manifolds, Gromov hyperbolic groups, Mori theory, complex surfaces, locally conformally Kähler manifolds, differential geometry, spinors and elliptic equations. Gave undergraduate courses on topology, analysis on manifolds, measure theory, Galois theory, CAT-spaces, algebraic geometry and geometric group theory.

Teaching stuff online: All teaching materials for ULB are available here <http://verbit.ru/ULB/> (slides, assignments, handouts). Teaching materials for HSE: <http://bogomolov-lab.ru/KURSY/> (in Russian).