

## 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 A member of Institute of Advanced Study, Princeton
- 1997-99 A member of European Post-Doctoral Institute
- 1996– Moscow Independent University
- 2003-10 ITEP (Moscow)
- 2002–07 Glasgow University, EPSRC Advanced Fellow
- 2008– University of Tokyo, IPMU (Joint Appointment)
- 2010– Faculty of Mathematics, Higher School of Economics, Laboratory of algebraic geometry and its applications.
- Visitor at IHES (1997, 2006), MPI, Bonn (1999-2000, 2006).

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

**A book:** “Hyperkaehler manifolds”, by M. Verbitsky and D. Kaledin, Mathematical Physics, 12. International Press, 1999. iv+257 pp.

**A book:** “Topology for first-year students”, by M. Verbitsky (in Russian), 370 pp, to appear in Independent University of Moscow Press.

**Papers:** See an attached listing. I wrote 65 papers, 23 of them in collaboration, a monograph and a textbook. Most of these papers were published in peer-refereed publications, the rest is available from [arxiv.org](http://arxiv.org).

**Conference talks:** More than 30 invited talks in international conferences (Oberwolfach, CIRM, MSRI, CRM, Edinburgh, Durham, Rome, Bonn, Moscow, Cambridge, Argentina, Brasil, India).

**Conferences organized:**

- “Quaternionic structures in algebraic geometry”, 16-18 November 2007, Glasgow University.
- “Supersymmetry in complex geometry”, January 4-9, 2009, University of Tokyo, IPMU.
- “Instantons in complex geometry”, March 14-18, 2011, HSE, Laboratory of algebraic geometry and its applications, Moscow.

**Grants obtained:**

- CRDF grant RM1-2087 (as a principal co-investigator)
- CRDF grant RM1-2354-MO02
- EPSRC grant GR/R77773/01 (a personal research and expense grant of 250,000 pounds)
- RFBR grants: 09-01-00242-a, 10-01-93113-NCNIL-a
- FAPESP grant 2009/12576-9
- Science Foundation of the SU-HSE award No. 10-09-0015
- AG Laboratory SU-HSE, RF government grant, ag. 11.G34.31.0023

**Editorship:** Member of the Editorial board for “Proceedings of the Edinburgh Mathematical Society”.

**Research interests:** Algebraic geometry, differential geometry, hyperkähler geometry,  $G_2$ -geometry, Mirror Symmetry, hypercomplex manifolds, HKT-manifolds, locally conformally Kaehler manifolds, Yang-Mills theory, Hodge theory.

**Family status:** Married, with four children, Sima, Alesha, Masha, Vitya, 20, 19, 10 and 5 years old. My wife, Yulya Fridman, born in 1970, B. Sc., is a researcher in physics.

**Computer skills:** Expert with  $\text{T}_\text{E}\text{X}$  and  $\text{L}^\text{A}\text{T}_\text{E}\text{X}$ , 18 years of Unix/X11 experience, HTML, Linux webserver administration, recreational programming in Perl, C, Lisp, Forth, Pascal.

**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 Galois theory and point-set topology. Gave graduate courses on algebraic geometry, differential geometry, measure theory, elliptic equations.