CURRICULUM VITAE

MISHA VERBITSKY

Born: June 20, 1969, Moscow, USSR

Citizenship: Russia

Homepage: `http://verbit.ru/`

E-mail: `verbit[]impa.br`

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 (professor)
- 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 (professor), Laboratory of algebraic geometry and its applications (chair, vice-chair).
- 2015–2017: Université libre de Bruxelles (charge de cours).
- 2017– IMPA, Pesquisador Titular (Full Professor).
- Visitor at IHES (1997, 2006), MPI, Bonn (1999-2000, 2006), IPMU, Tokyo (2008-2009, 2010).

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

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.
- 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.
- FAPERJ E-26/202.912/2018.
- CNPq Bolsas de Produtividade em Pesquisa, 310952/2021-2 categoria 1B.

Papers: See `http://scholar.google.com/citations?hl=en&user=8KhODVoAAAAJ`. I wrote 125 papers two monographs and a textbook. 118 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).
- "Principles of Locally Conformally Kähler Geometry", by L. Ornea and M. Verbitsky, 769 pages, arXiv:2208.07188, 2022.

Conference talks: More than 55 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).

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.
- Summer school "Algebra and geometry", Yaroslavl' (2011, 2013, 2014).
- "Geometric structures on complex manifolds", October 3-7, 2011, HSE, Laboratory of algebraic geometry and its applications, Moscow.
- Geometry of Kaehler manifolds, 21-25 May 2012, Laboratoire de Mathématiques Jean Leray, Nantes (an event dedicated to Bogomolov's 65 anniversary).
- Workshop on complex geometry and foliations, dedicated to the memory of Marco Brunella (September 17-21, 2012, HSE, Moscow).
- The second workshop on complex geometry and foliations (February 25-March 1, 2013, Moscow, HSE).
- A workshop on the Chow group of holomorphically symplectic manifolds (May 19-23, 2014, Moscow, HSE).
- A workshop "Complex manifolds, dynamics and birational geometry" (November 10-14, 2014, HSE).
- A workshop on Teichmuller theory, hyperbolicity and dynamics (June 24-28, 2019, IMPA)

Editorship: Member of the Editorial Advisory Board for "Complex Manifolds" (De Gruyter).

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

Papers published:

1. Bogomolov, Fedor A. ; Déev, Rodion N. ; Verbitsky, Misha. Sections of Lagrangian fibrations on holomorphically symplectic manifolds and degenerate twistorial deformations. Adv. Math. 405 (2022), Paper No. 108479, 14 pp.
2. Amerik, Ekaterina ; Verbitsky, Misha. MBM classes and contraction loci on low-dimensional hyperkähler manifolds of K3[n] type. Algebr. Geom. 9 (2022), no. 3, 252–265.

3. Kamenova, Ljudmila ; Verbitsky, Misha. Holomorphic Lagrangian subvarieties in holomorphic symplectic manifolds with Lagrangian fibrations and special Kähler geometry. Eur. J. Math. 8 (2022), no. 2, 514–522.
4. Ornea, Liviu ; Verbitsky, Misha. Twisted Dolbeault cohomology of nilpotent Lie algebras. Transform. Groups 27 (2022), no. 1, 225–238.
5. Amerik, Ekaterina ; Verbitsky, Misha. Rational curves and MBM classes on hyperkähler manifolds: a survey. Rationality of varieties, 75–96, Progr. Math., 342, Birkhäuser/Springer, Cham, [2021], ©2021.
6. Ornea, Liviu ; Verbitsky, Misha. Closed orbits of Reeb fields on Sasakian manifolds and elliptic curves on Vaisman manifolds. Math. Z. 299 (2021), no. 3-4, 2287–2296.
7. Amerik, Ekaterina ; Verbitsky, Misha. Contraction centers in families of hyperkähler manifolds. Selecta Math. (N.S.) 27 (2021), no. 4, Paper No. 60, 26 pp.
8. Corrêa, Maurício ; Ferreira, Antonio M. ; Verbitsky, Misha. Classification of holomorphic Pfaff systems on Hopf manifolds. Eur. J. Math. 7 (2021), no. 2, 729–740.
9. Verbitsky, M. S. ; Vuletescu, V. ; Ornea, L. Classification of non-Kähler surfaces and locally conformally Kähler geometry. (Russian) ; translated from Uspekhi Mat. Nauk 76 (2021), no. 2(458), 71–102 Russian Math. Surveys 76 (2021), no. 2, 261–289
10. Ornea, Liviu ; Verbitsky, Misha. Hopf surfaces in locally conformally Kähler manifolds with potential. Geom. Dedicata 207 (2020), 219–226.
11. Birbrair, Lev ; Fernandes, Alexandre ; Sampaio, J. Edson ; Verbitsky, Misha. Multiplicity of singularities is not a bi-Lipschitz invariant. Math. Ann. 377 (2020), no. 1-2, 115–121.
12. Bogomolov, Fedor A. ; Kamenova, Ljudmila ; Verbitsky, Misha. Algebraically hyperbolic manifolds have finite automorphism groups. Commun. Contemp. Math. 22 (2020), no. 2, 1950003, 10 pp.
13. Amerik, Ekaterina ; Verbitsky, Misha. Collections of orbits of hyperplane type in homogeneous spaces, homogeneous dynamics, and hyperkähler geometry. Int. Math. Res. Not. IMRN 2020, no. 1, 25–38.

14. Kamenova, Ljudmila ; Verbitsky, Misha. Pullbacks of hyperplane sections for Lagrangian fibrations are primitive. Commun. Contemp. Math. 21 (2019), no. 8, 1850065, 7 pp.
15. Solomon, Jake P. ; Verbitsky, Misha. Locality in the Fukaya category of a hyperkähler manifold. Compos. Math. 155 (2019), no. 10, 1924–1958.
16. Markman, Eyal ; Mehrotra, Sukhendu ; Verbitsky, Misha. Rigid hyperholomorphic sheaves remain rigid along twistor deformations of the underlying hyparkähler manifold. [[Corrected title: Rigid hyperholomorphic sheaves remain rigid along twistor deformations of the underlying hyperkähler manifold]] Eur. J. Math. 5 (2019), no. 3, 964–1012.
17. Ornea, Liviu ; Verbitsky, Misha ; Vuletescu, Victor. Flat affine subvarieties in Oeljeklaus-Toma manifolds. Math. Z. 292 (2019), no. 3-4, 839–847.
18. Kurnosov, Nikon ; Soldatenkov, Andrey ; Verbitsky, Misha. Kuga-Satake construction and cohomology of hyperkähler manifolds. Adv. Math. 351 (2019), 275–295.
19. Ornea, Liviu ; Verbitsky, Misha. Positivity of LCK potential. J. Geom. Anal. 29 (2019), no. 2, 1479–1489.
20. Angella, Daniele ; Tomassini, Adriano ; Verbitsky, Misha. On non-Kähler degrees of complex manifolds. Adv. Geom. 19 (2019), no. 1, 65–69.
21. Biswas, Indranil ; Mj, Mahan ; Verbitsky, Misha. Stable Higgs bundles over positive principal elliptic fibrations. Complex Manifolds 5 (2018), no. 1, 195–201.
22. Fino, Anna ; Grantcharov, Gueo ; Verbitsky, Misha. Algebraic dimension of complex nilmanifolds. J. Math. Pures Appl. (9) 118 (2018), 204–218.
23. Entov, Michael ; Verbitsky, Misha. Unobstructed symplectic packing by ellipsoids for tori and hyperkähler manifolds. Selecta Math. (N.S.) 24 (2018), no. 3, 2625–2649.
24. Ornea, Liviu ; Verbitsky, Misha ; Vuletescu, Victor. Weighted Bott-Chern and Dolbeault cohomology for LCK-manifolds with potential. J. Math. Soc. Japan 70 (2018), no. 1, 409–422.
25. Grantcharov, Gueo ; Lejmi, Mehdi ; Verbitsky, Misha. Existence of HKT metrics on hypercomplex manifolds of real dimension 8. Adv. Math. 320 (2017), 1135–1157.

26. Amerik, Ekaterina ; Verbitsky, Misha. Construction of automorphisms of hyperkähler manifolds. Compos. Math. 153 (2017), no. 8, 1610–1621.
27. Amerik, Ekaterina ; Verbitsky, Misha. Morrison-Kawamata cone conjecture for hyperkähler manifolds. Ann. Sci. Éc. Norm. Supér. (4) 50 (2017), no. 4, 973–993.
28. Verbitsky, Misha. Transcendental Hodge algebra. Selecta Math. (N.S.) 23 (2017), no. 3, 2203–2218.
29. Kamenova, Ljudmila ; Verbitsky, Misha. Algebraic nonhyperbolicity of hyperkähler manifolds with Picard rank greater than one. New York J. Math. 23 (2017), 489–495.
30. Ornea, Liviu ; Verbitsky, Misha. Embedding of LCK manifolds with potential into Hopf manifolds using Riesz-Schauder theorem. Complex and symplectic geometry, 137–148, Springer INdAM Ser., 21, Springer, Cham, 2017.
31. Bogomolov, Fedor ; Kamenova, Ljudmila ; Lu, Steven ; Verbitsky, Misha. On the Kobayashi pseudometric, complex automorphisms and hyperkähler manifolds. Geometry over nonclosed fields, 1–17, Simons Symp., Springer, Cham, 2017.
32. Panov, Taras ; Ustinovskiy, Yury ; Verbitsky, Misha. Complex geometry of moment-angle manifolds. Math. Z. 284 (2016), no. 1-2, 309–333.
33. Entov, Michael ; Verbitsky, Misha. Unobstructed symplectic packing for tori and hyper-Kähler manifolds. J. Topol. Anal. 8 (2016), no. 4, 589–626.
34. Ornea, Liviu ; Verbitsky, Misha. LCK rank of locally conformally Kähler manifolds with potential. J. Geom. Phys. 107 (2016), 92–98.
35. Amerik, Ekaterina ; Verbitsky, Misha. Hyperbolic geometry of the ample cone of a hyperkähler manifold. Res. Math. Sci. 3 (2016), Paper No. 7, 9 pp.
36. Ornea, Liviu ; Verbitsky, Misha. Locally conformally Kähler metrics obtained from pseudoconvex shells. Proc. Amer. Math. Soc. 144 (2016), no. 1, 325–335.
37. Amerik, E. ; Verbitsky, M. Rational curves on hyperkähler manifolds. Int. Math. Res. Not. IMRN 2015, no. 23, 13009–13045.

38. Verbitsky, Misha. Ergodic complex structures on hyperkähler manifolds. Acta Math. 215 (2015), no. 1, 161–182.
39. Amerik, Ekaterina ; Verbitsky, Misha. Teichmüller space for hyperkähler and symplectic structures. J. Geom. Phys. 97 (2015), 44–50.
40. Soldatenkov, Andrey ; Verbitsky, Misha. Holomorphic Lagrangian fibrations on hypercomplex manifolds. Int. Math. Res. Not. IMRN 2015, no. 4, 981–994.
41. Soldatenkov, Andrey ; Verbitsky, Misha. k-symplectic structures and absolutely trianalytic subvarieties in hyperkähler manifolds. J. Geom. Phys. 92 (2015), 147–156.
42. Verbitsky, Misha. Degenerate twistor spaces for hyperkähler manifolds. J. Geom. Phys. 91 (2015), 2–11.
43. Verbitsky, Misha. Teichmüller spaces, ergodic theory and global Torelli theorem. Proceedings of the International Congress of Mathematicians—Seoul 2014. Vol. II, 793–811, Kyung Moon Sa, Seoul, 2014.
44. Jardim, Marcos ; Verbitsky, Misha. Trihyperkähler reduction and instanton bundles on CP3. Compos. Math. 150 (2014), no. 11, 1836–1868.
45. Verbitsky, Misha. Holography principle for twistor spaces. Pure Appl. Math. Q. 10 (2014), no. 2, 325–354.
46. Kamenova, Ljudmila ; Lu, Steven ; Verbitsky, Misha. Kobayashi pseudometric on hyperkähler manifolds. J. Lond. Math. Soc. (2) 90 (2014), no. 2, 436–450.
47. Campana, Frédéric ; Demailly, Jean-Pierre ; Verbitsky, Misha. Compact Kähler 3-manifolds without nontrivial subvarieties. Algebr. Geom. 1 (2014), no. 2, 131–139.
48. Kamenova, Ljudmila ; Verbitsky, Misha. Families of Lagrangian fibrations on hyperkähler manifolds. Adv. Math. 260 (2014), 401–413.
49. Verbitsky, Misha. Rational curves and special metrics on twistor spaces. Geom. Topol. 18 (2014), no. 2, 897–909.
50. Anan'in, Sasha ; Verbitsky, Misha. Any component of moduli of polarized hyperkähler manifolds is dense in its deformation space. J. Math. Pures Appl. (9) 101 (2014), no. 2, 188–197.

51. Verbitsky, Misha. Mapping class group and a global Torelli theorem for hyperkähler manifolds. Appendix A by Eyal Markman. Duke Math. J. 162 (2013), no. 15, 2929–2986.
52. Verbitsky, Misha. Pseudoholomorphic curves on nearly Kähler manifolds. Comm. Math. Phys. 324 (2013), no. 1, 173–177.
53. Ornea, Liviu ; Verbitsky, Misha ; Vuletescu, Victor. Blow-ups of locally conformally Kähler manifolds. Int. Math. Res. Not. IMRN 2013, no. 12, 2809–2821.
54. Grantcharov, Gueo ; Verbitsky, Misha. Calibrations in hyper-Kähler geometry. Commun. Contemp. Math. 15 (2013), no. 2, 1250060, 27 pp.
55. Ornea, Liviu ; Verbitsky, Misha. Locally conformally Kähler manifolds admitting a holomorphic conformal flow. Math. Z. 273 (2013), no. 3-4, 605–611.
56. Soldatenkov, Andrey ; Verbitsky, Misha. Subvarieties of hypercomplex manifolds with holonomy in SL(n,H). J. Geom. Phys. 62 (2012), no. 11, 2234–2240.
57. Verbitsky, Misha. A formally Kähler structure on a knot space of a G2-manifold. Selecta Math. (N.S.) 18 (2012), no. 3, 539–555.
58. Ornea, Liviu ; Verbitsky, Misha. Automorphisms of locally conformally Kähler manifolds. Int. Math. Res. Not. IMRN 2012, no. 4, 894–903.
59. Verbitsky, Misha. Hodge theory on nearly Kähler manifolds. Geom. Topol. 15 (2011), no. 4, 2111–2133.
60. Ornea, Liviu ; Verbitsky, Misha. Oeljeklaus-Toma manifolds admitting no complex subvarieties. Math. Res. Lett. 18 (2011), no. 4, 747–754.
61. Jardim, Marcos ; Verbitsky, Misha. Moduli spaces of framed instanton bundles on CP3 and twistor sections of moduli spaces of instantons on C2. Adv. Math. 227 (2011), no. 4, 1526–1538.
62. Ornea, L. ; Verbitsky, M. A report on locally conformally Kähler manifolds. Harmonic maps and differential geometry, 135–149, Contemp. Math., 542, Amer. Math. Soc., Providence, RI, 2011.
63. Verbitsky, Misha. A CR twistor space of a G2-manifold. Differential Geom. Appl. 29 (2011), no. 1, 101–107.

64. Verbitsky, Misha. Hyperholomorphic connections on coherent sheaves and stability. Cent. Eur. J. Math. 9 (2011), no. 3, 535–557.
65. Verbitsky, Misha. Manifolds with parallel differential forms and Kähler identities for G2-manifolds. J. Geom. Phys. 61 (2011), no. 6, 1001–1016.
66. Verbitsky, Misha. Positive forms on hyperkähler manifolds. Osaka J. Math. 47 (2010), no. 2, 353–384.
67. Ornea, Liviu ; Verbitsky, Misha. Locally conformal Kähler manifolds with potential. Math. Ann. 348 (2010), no. 1, 25–33.
68. Alesker, S. ; Verbitsky, M. Quaternionic Monge-Ampère equation and Calabi problem for HKT-manifolds. Israel J. Math. 176 (2010), 109–138.
69. Moraru, Ruxandra ; Verbitsky, Misha. Stable bundles on hypercomplex surfaces. Cent. Eur. J. Math. 8 (2010), no. 2, 327–337.
70. Ornea, Liviu ; Verbitsky, Misha. Topology of locally conformally Kähler manifolds with potential. Int. Math. Res. Not. IMRN 2010, no. 4, 717–726.
71. Verbitsky, Misha. Plurisubharmonic functions in calibrated geometry and q-convexity. Math. Z. 264 (2010), no. 4, 939–957.
72. Verbitsky, Misha. HyperKähler SYZ conjecture and semipositive line bundles. Geom. Funct. Anal. 19 (2010), no. 5, 1481–1493.
73. Verbitsky, Misha. Balanced HKT metrics and strong HKT metrics on hypercomplex manifolds. Math. Res. Lett. 16 (2009), no. 4, 735–752.
74. Ornea, Liviu ; Verbitsky, Misha. Morse-Novikov cohomology of locally conformally Kähler manifolds. J. Geom. Phys. 59 (2009), no. 3, 295–305.
75. Barberis, María L. ; Dotti, Isabel G. ; Verbitsky, Misha. Canonical bundles of complex nilmanifolds, with applications to hypercomplex geometry. Math. Res. Lett. 16 (2009), no. 2, 331–347.
76. Verbitsky, Misha. Positive toric fibrations. J. Lond. Math. Soc. (2) 79 (2009), no. 2, 294–308.
77. Ornea, L. ; Verbitsky, M. Einstein-Weyl structures on complex manifolds and conformal version of Monge-Ampère equation. Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 51(99) (2008), no. 4, 339–353.

78. Verbitsky, Misha. Coherent sheaves on general K3 surfaces and tori. Pure Appl. Math. Q. 4 (2008), no. 3, Special Issue: In honor of Fedor Bogomolov. Part 2, 651–714.

79. Verbitsky, Misha. An intrinsic volume functional on almost complex 6-manifolds and nearly Kähler geometry. Pacific J. Math. 235 (2008), no. 2, 323–344.

80. Verbitsky, Misha. Hypercomplex manifolds with trivial canonical bundle and their holonomy. Moscow Seminar on Mathematical Physics. II, 203–211, Amer. Math. Soc. Transl. Ser. 2, 221, Adv. Math. Sci., 60, Amer. Math. Soc., Providence, RI, 2007.

81. Verbitsky, Misha. Quaternionic Dolbeault complex and vanishing theorems on hyperkähler manifolds. Compos. Math. 143 (2007), no. 6, 1576–1592.

82. Ornea, Liviu ; Verbitsky, Misha. Embeddings of compact Sasakian manifolds. Math. Res. Lett. 14 (2007), no. 4, 703–710.

83. Ornea, Liviu ; Verbitsky, Misha. Sasakian structures on CR-manifolds. Geom. Dedicata 125 (2007), 159–173.

84. Verbitskiĭ, M. S. Holomorphic bundles on diagonal Hopf manifolds. (Russian) ; translated from Izv. Ross. Akad. Nauk Ser. Mat. 70 (2006), no. 5, 13–30 Izv. Math. 70 (2006), no. 5, 867–882

85. Alesker, Semyon ; Verbitsky, Misha. Plurisubharmonic functions on hypercomplex manifolds and HKT-geometry. J. Geom. Anal. 16 (2006), no. 3, 375–399.

86. Verbitsky, M. Hypercomplex structures on Kähler manifolds. Geom. Funct. Anal. 15 (2005), no. 6, 1275–1283.

87. Verbitsky, Misha. Stable bundles on positive principal elliptic fibrations. Math. Res. Lett. 12 (2005), no. 2-3, 251–264.

88. Ornea, Liviu ; Verbitsky, Misha. An immersion theorem for Vaisman manifolds. Math. Ann. 332 (2005), no. 1, 121–143.

89. Verbitsky, Misha. Wirtinger numbers and holomorphic symplectic immersions. Selecta Math. (N.S.) 10 (2004), no. 4, 551–559.

90. Verbitskiĭ, M. S. Theorems on the vanishing of cohomology for locally conformally hyper-Kähler manifolds. (Russian) ; translated from Tr. Mat. Inst. Steklova 246 (2004), Algebr. Geom. Metody, Svyazi i Prilozh., 64–91 Proc. Steklov Inst. Math. 2004, no. 3(246), 54–78

91. Verbitsky, Misha. Coherent sheaves on generic compact tori. Algebraic structures and moduli spaces, 229–247, CRM Proc. Lecture Notes, 38, Amer. Math. Soc., Providence, RI, 2004.
92. Verbitsky, Misha. Subvarieties in non-compact hyperKähler manifolds. Math. Res. Lett. 11 (2004), no. 4, 413–418.
93. Ornea, Liviu ; Verbitsky, Misha. Structure theorem for compact Vaisman manifolds. Math. Res. Lett. 10 (2003), no. 5-6, 799–805.
94. Verbitsky, Misha. Hyperkähler manifolds with torsion obtained from hyperholomorphic bundles. Math. Res. Lett. 10 (2003), no. 4, 501–513.
95. Verbitsky, Misha. HyperKähler manifolds with torsion, supersymmetry and Hodge theory. Asian J. Math. 6 (2002), no. 4, 679–712.
96. Kaledin, D. ; Verbitsky, M. Period map for non-compact holomorphically symplectic manifolds. Geom. Funct. Anal. 12 (2002), no. 6, 1265–1295.
97. Verbitsky, Misha. Holomorphic symplectic geometry and orbifold singularities. Asian J. Math. 4 (2000), no. 3, 553–563.
98. Verbitsky, Misha. Singularities in hyperkähler geometry. Quaternionic structures in mathematics and physics (Rome, 1999), 439–469, Univ. Studi Roma "La Sapienza", Rome, 1999.
99. Verbitsky, Misha ; Kaledin, Dmitri. Hyperkahler manifolds. Mathematical Physics (Somerville), 12. International Press, Somerville, MA, 1999. iv+257 pp. ISBN: 1-57146-071-3
100. Verbitsky, Misha. Hypercomplex varieties. Comm. Anal. Geom. 7 (1999), no. 2, 355–396.
101. Verbitsky, Misha. Mirror symmetry for hyper-Kähler manifolds. Mirror symmetry, III (Montreal, PQ, 1995), 115–156, AMS/IP Stud. Adv. Math., 10, Amer. Math. Soc., Providence, RI, 1999.
102. Kaledin, D. ; Verbitsky, M. Non-Hermitian Yang-Mills connections. Selecta Math. (N.S.) 4 (1998), no. 2, 279–320.
103. Verbitsky, Misha. Deformations of trianalytic subvarieties of hyper-Kähler manifolds. Selecta Math. (N.S.) 4 (1998), no. 3, 447–490.
104. Verbitsky, M. Trianalytic subvarieties of the Hilbert scheme of points on a K3 surface. Geom. Funct. Anal. 8 (1998), no. 4, 732–782.

105. Kaledin, D. ; Verbitsky, M. Trianalytic subvarieties of generalized Kummer varieties. Internat. Math. Res. Notices 1998, no. 9, 439–461.

106. Verbitsky, Misha. Desingularization of singular hyper-Kähler varieties. I. Math. Res. Lett. 4 (1997), no. 2-3, 259–271.

107. Verbitsky, Mikhail. Hyperholomorphic bundles over a hyper-Kähler manifold. J. Algebraic Geom. 5 (1996), no. 4, 633–669.

108. Verbitsky, Misha. Algebraic structures on hyper-Kähler manifolds. Math. Res. Lett. 3 (1996), no. 6, 763–767.

109. Verbitsky, M. Cohomology of compact hyper-Kähler manifolds and its applications. Geom. Funct. Anal. 6 (1996), no. 4, 601–611.

110. Verbitsky, Mikhail. Hyper-Kähler embeddings and holomorphic symplectic geometry. I. J. Algebraic Geom. 5 (1996), no. 3, 401–413.

111. Verbitsky, Mikhail Sergeevic. Cohomology of compact hyperkaehler manifolds. Thesis (Ph.D.)–Harvard University. ProQuest LLC, Ann Arbor, MI, 1995. 89 pp.

112. Verbitsky, M. Tri-analytic subvarieties of hyper-Kaehler manifolds. Geom. Funct. Anal. 5 (1995), no. 1, 92–104.

113. Kazhdan, David ; Verbitsky, Mikhail. Cohomology of restricted quantized universal enveloping algebras. Quantum deformations of algebras and their representations (Ramat-Gan, 1991/1992; Rehovot, 1991/1992), 107–115, Israel Math. Conf. Proc., 7, Bar-Ilan Univ., Ramat Gan, 1993.

114. Verbitskiĭ, M. S. Action of the Lie algebra of SO(5) on the cohomology of a hyper-Kähler manifold. (Russian) ; translated from Funktsional. Anal. i Prilozhen. 24 (1990), no. 3, 70–71 Funct. Anal. Appl. 24 (1990), no. 3, 229–230 (1991)