Curriculum Vitae

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Position: Professor at University Aix-Marseille II

Thesis 1989; Title: Instantons and Topological Field Theories, Lebedev Physical Institute, Academy of Sciences

Employments:

1982-1989: Lebedev Physical Institute of Russian Academy of Sciences

1990-1991: Institute of Theoretical Physics, Karlsruhe, Germany

1991-1995: Max-Planck Institute of Theoretical Physics, Munich, Germany

From September 1995: Centre de Physique Théorique, Université d'Aix-Marseille II

Animation scientifique: Organisation des Colloques

• School "Quantum Symmetries in Theoretical Physics and Mathematics", 2000, Bariloche, Argentine.
• Congrès "Problémes ouverts dans la théorie des quasi-cristaux", 2002, CIRM, Marseille.
• Petit groupe de travail "Application des groupes quantiques dynamiques en théorie des représentations", 2003, CIRM, Marseille.
• International Workshop "Classical and Quantum Integrable Systems", 2004, Dubna, Russie.
• Petit groupe de travail "Quantum Lie Algebras", 2004, CIRM, Marseille.
• International Workshop "Classical and Quantum Integrable Systems", 2005, Dubna, Russie.
• Conference "Geometry and Integrability in Mathematical Physics", 2006, Moscou, Russie.
• Série de 3 colloques, 2006, CIRM, Marseille:
  Affine Hecke algebras
  Langlands Program
  Conformal Field Theory and Matrix Models
• Petit groupe de travail "Algèbres de réduction", 2006, CIRM, Marseille.
• International Workshop "Classical and Quantum Integrable Systems", 2007, Dubna, Russie.
• International Workshop "Supersymmetries and Quantum Symmetries", 2007, JINR, Dubna, Russie.
• Petit groupe de travail "Baxterization; BMW algebras; Quantum Lie algebras", 2007, CIRM, Marseille.
• International Conference "Géometrie et Intégrabilité en Physique Mathématique", 2008, CIRM, Marseille.
• Petit groupe de travail "Reduction algebras and dynamical Weyl groups", 2008, CIRM, Marseille.
• Petit groupe de travail "Mickelsson algebras, Yangians and W algebras", 2009, CIRM, Marseille.
• International Workshop "Supersymmetries and Quantum Symmetries", 2009, JINR, Dubna, Russie.

Encadrement

Thèse

• Holger Ewen, "Klassifikation der GL-Quantenmatrixgruppen in 2 und 3 Dimensionen". Completé septembre 1993
• Xavier Gomez, "Quelques calculs explicites sur les groupes quantiques de petit rang aux racines de l'unité". Completé juillet 2000
• Aris Vahlas, "Matrices quantiques: produits et équations caractéristiques". Completé septembre 2003
• Raphael Zentner, "Invariants de Seiberg-Witten". Septembre 2002 – juillet 2004 (50%)
• Thomas Grapperon, "Groupes quantiques et espaces tresses". Début: septembre 2005; completé octobre 2008
• Loïc Poulain D'Andecy, "Règles de branchement, multiplets composés, algèbres de réduction". Début: septembre 2009

Master 2

• Xavier Gomez, 1996: "Classification des bigèbres de Lie de dimension 3 et 4"
• Aris Vahlas, 1997: "Représentations de SL(2) et invariants des variétes de dimension 3"
• Anna-Maria Kiss, 1997: "Calcul de la matrice R universelle pour un groupe quantique non-simple"
• Thomas Grapperon, 2005: "Représentations spinorielles des groupes quantiques orthogonaux"
• Pierre Godard, 2006: "Quasicristaux en dimension 3"
• Loïc Poulain D'Andecy, 2009: "Twists pour les superalgèbres de Lie quantiques"

Master 1

• Thomas Grapperon, 2004: "Triplets de Belavin-Drinfeld"
• Pierre Godard, 2005: "Modèles théoriques des quasicristaux"
• Loïc Poulain D'Andecy, 2008: "Tours de groupes et diagrammes de Bratteli"
• Julien Maurer, 2009: "Battages pour les algèbres de Birman–Murakami–Wenzl"

Post-Doc

• Pavel Pyatov, janvier 1998–mars 1999: "Algébres quantiques et groupes quantiques dynamiques"
• Todor Popov, octobre 2005–fevrier 2007: "Groupes quantiques dynamiques des modèles WZNW et méthode de BRST pour l'espace des "modes-zéro"; Espaces quantiques réguliers et leurs automorphismes quantiques"

Lycée

• Kostantin Dzhigardjan, janvier 2004–décembre 2004: "Study of set of complex roots of polynomials of special type"

Liste de publications

Journals

1. O. Ogievetsky, Characteristic equation for 3x3 matrices over octonions; Uspekhi Mat. Nauk **36** (1981) 197 (in Russian); translated in Russian Math. Surveys, 1981.
2. O. Ogievetsky, $\bar{\partial}$-cohomologies over infinitesimal neighbourhoods, 1; Uspekhi Mat. Nauk **36** (1982) 181 (in Russian); translated in Russian Math. Surveys, 1983.
3. O. Ogievetsky, $\bar{\partial}$-cohomologies over infinitesimal neighbourhoods, 2; Mezhvuz. sbornik, Yaroslavl, 1983 (in Russian).
4. O. Ogievetsky and I. Penkov, The Serre duality for supermanifolds, 1; Func. Anal. and Appl., **18** (1984) 78 (in Russian); Translated in Funct. Anal. Appl., 1984.
5. O. Ogievetsky and I. Penkov, The Serre duality for supermanifolds, 2; Serdica, Bulgaria, 1984.
6. I. Batalin and O. Ogievetsky, Quantization on a class of submanifolds of phase space; Il Nuovo Cimento **90**B (1985) 29.

7. O. Ogievetsky, Relative K_2–group for supercommutative rings; in: Seminar on Supermanifolds, ed. D. Leites, Stockholm University, 1986.
8. O. Ogievetsky, On the homology of Poisson algebra of odd variables; Duke Math. Journal **54** (1987) 27.
9. O. Ogievetsky, Harmonic representatives of instantons and self-dual monopoles; Lecture Notes in Physics **313** (1988).
10. O. Ogievetsky, Instantons and Topological Field Theories, Dissertation, VINITI.
11. A. Galperin and O. Ogievetsky, Extended supersymmetries in topological Yang-Mills theory; Phys. Lett. **B**236 (1990) 33.
12. A. Galperin and O. Ogievetsky, Holonomy groups, complex structures and $D = 4$ topological Yang-Mills theory; Comm. Math. Phys. **139** (1991) 377.
13. O. Ogievetsky and J. Wess, Relations between $GL_{p,q}(2)$'s; Zeitschrift für Phys. C **50** (1991) 123.
14. H. Ewen, O. Ogievetsky and J. Wess, Quantum matrices in two dimensions; Lett. Math. Phys. **22** (1991) 297.
15. O. Ogievetsky, W. B. Schmidke, J. Wess and B. Zumino, Six generator q-deformed Lorentz algebra; Lett.Math.Phys. **23** (1991) 233–240.
16. O. Ogievetsky, W. B. Schmidke, J. Wess and B. Zumino, q-deformed Poincaré algebra; Comm. Math. Phys. **150** (1992) 495–518.
17. O. Ogievetsky, Differential operators on quantum spaces for $GL_q(n)$ and $SO_q(n)$; Lett. Math. Phys. **24** (1992) 245.
18. V. Jain and O. Ogievetsky, Classical isomorphisms for quantum groups; Mod. Phys. Lett. A**7** (1992) 2199. ArXiv: hep-th/9205001
19. O. Ogievetsky and B. Zumino, Reality in the differential calculus on q-euclidean spaces; Lett. Math. Phys. **25** (1992) 121. ArXiv: hep-th/9205003
20. A. Galperin and O. Ogievetsky, Harmonic potentials for quaternionic symmetric σ-models; Phys. Lett. B**301** (1993) 67. ArXiv: hep-th/9210153
21. A. Galperin, E. Ivanov and O. Ogievetsky, Harmonic space and quaternionic manifolds; Annals of Phys. **230** (1994) 201. ArXiv: hep-th/9212155
22. H. Ewen and O. Ogievetsky, Jordanian solutions of simplex equations; Lett. Math. Phys. **26** (1992) 307. ArXiv: hep-th/9211026
23. B. Drabant, O. Ogievetsky and M. Schlieker, Cohomology of quantum enveloping algebras, Preprint MPI-Ph/93-57, LMU-TPW 1993-19; Journal of Physics A**29** (1996) 2751–2769.
24. A. P. Isaev, O. V. Ogievetsky and P. N. Pyatov, Generalized Cayley-Hamilton-Newton identities, math. QA/9809047, Czech. Journal of Physics **48** no. 11 (1998) 1369–1374.
25. L. K. Hadjiivanov, A. P. Isaev, O. V. Ogievetsky, P. N. Pyatov and I. T. Todorov, Hecke algebraic properties of dynamical R-matrices. Application to related quantum matrix algebras, Journal of Mathematical Physics **40** (1999) 427–448. ArXiv: q-alg/9712026

26. A. P. Isaev, O. V. Ogievetsky and P. N. Pyatov, On quantum matrix algebras satisfying the Cayley-Hamilton-Newton identities, J. Phys. A: Math. Gen. **32** (1999) L115–L121. ArXiv: math.QA/9809170
27. O. Ogievetsky and Z. Papadopolos, On Quasiperiodic Space tilings, inflation and Dehn invariants, Preprint CPT- 99/P3879; Journal of Discrete and Computational Geometry. **26** no. 1 (2001) 147–171. ArXiv: math-ph/9910006
28. P. Furlan, L. K. Hadjiivanov, A. P. Isaev, O. V. Ogievetsky, P. N. Pyatov and I. T. Todorov, Quantum matrix algebra for the $SU(n)$ WZNW model, hep-th/0003210, preprint IHES/P/00/11; J. Phys. A: Math. Gen. **36** (2003) 5497-5530. ArXiv: hep-th/0003210
29. C. Burdik, A. Isaev and O. Ogievetsky, Standard complex for quantum Lie algebras; CPT-2000/P.4063; Phys. Atomic Nuclei **64** no. 12 (2001) 2101–2104; translated from Yadernaya Fiz. **64** no. 12 (2001) 2191–2194. ArXiv: math.QA/0010060
30. O. Ogievetsky and P. Pyatov, Dynamical Cremmer-Gervais R-matrix, CPT-2000/P.4075; Phys. Atomic Nuclei **64** no. 12 (2001) 2156–2159; translated from Yadernaya Fiz. **64** no. 12 (2001) 2246–2249.
31. A. Isaev and O. Ogievetsky, On quantization of r-matrices for Belavin-Drinfeld triples, CPT-2000/P.4074; Phys. Atomic Nuclei **64** no. 12 (2001) 2126–2130; translated from Yadernaya Fiz. **64** no. 12 (2001) 2216–2220. ArXiv: math.QA/0010190
32. O. Ogievetsky and P. Pyatov, Lecture on Hecke algebras, CPT-2000/P.4076, MPI 2001-40; in: Symmetries and Integrable Systems, Dubna Publishing 2000.
33. A. Isaev and O. Ogievetsky, BRST and anti-BRST operators for quantum linear algebra $U_q(gl(N))$; CPT-2001/P.4196; Nuclear Phys. B Proc. Suppl. **102**(103) (2001) 306–311.
34. A. Isaev and O. Ogievetsky, BRST operator for quantum Lie algebras and Ddifferential calculus on quantum groups; CPT-2001/P.4214; Teoret. Mat. Fiz. **129** no. 2 (2001) 298–316; translation in Theoret. and Math. Phys. **129** no. 2 (2001) 1558–1572. ArXiv: math.QA/0106206
35. O. Ogievetsky, Uses of quantum spaces, Contemp. Math. **294**, 161–232. Amer. Math. Soc., Providence, RI, 2002.
36. O. Ogievetsky and A. Vahlas, Relation between two types of characteristic equations for quantum matrices, CPT- 2001/P.4297; Lett. Math. Phys. **65** (2003) 49–57.
37. A. Isaev and O. Ogievetsky, BRST operator for quantum Lie algebras: explicit formula; Int. J. Mod. Phys. A**19** (2004), 240–247.
38. V. Gorbounov, A. Isaev and O. Ogievetsky, BRST operator for quantum Lie algebras: relation to bar complex; Teoret. Mat. Fiz., **139**(1) (2004) 29–44; translation in: Theoret. and Math. Phys. **139** (1) (2004) 473–485. ArXiv: math.0711.4133 [math.QA]
39. A. P. Isaev, O. V. Ogievetsky and P. N. Pyatov, On R-matrix representations of Birman–Murakami–Wenzl algebras, Journal of the Steklov Mathematical Institute **246** (2004) 134-141. ArXiv: math.QA/0509251
40. A. P. Isaev and O. V. Ogievetsky, On representations of Hecke algebras, Czechoslovak Journal of Physics **55** no. 11 (2005) 1433–1441.

41. A. P. Isaev and O. V. Ogievetsky, On Baxterized Solutions of reflection equation and integrable chain models; Nuclear Physics B **760** (2007) 167–183. ArXiv: math-ph/0510078
42. S. Khoroshkin and O. Ogievetsky, Mickelsson algebras and Zhelobenko operators, CPT-P11-2006, ITEP-TH-13/06; Journal of Algebra **319** (2008) 2113–2165. ArXiv: math.QA/0606259
43. O. Ogievetsky et V. Schechtman, Une algèbre quadratique liée à la suite de Sturm. CPT-P09-2006; Algebra, Arithmetic, and Geometry, Progress in Mathematics **270** (Birkhäuser 2009) 637–659. ArXiv: math.RA/0605333.
44. A. P. Isaev, O. V. Ogievetsky and A. F. Oskin, Chain models on Hecke Algebra for corner type representations; Reports on Mathematical Physics **61** no. 2 (2008) 309–315. ArXiv: 0710.0261 [math.QA]
45. O. Ogievetsky and T. Popov, R-matrices in rime. Adv. Theor. Math. Phys. **14** (2010) 439–506. CPT-P49-2006. ArXiv: 0704.1947 [math.QA]
46. O. Ogievetsky et V. Schechtman, Nombres de Bernoulli et une formule de Ramanujan. Moscow Mathematical Journal 3 (2010). ArXiv: 0711.1592 [math.CA]
47. A. P. Isaev, S. O. Krivonos and O. V. Ogievetsky, Becchi–Rouet–Stora–Tyutin operators for W algebras, J. of Math. Physics 49, 1 (2008). ArXiv: 0802.3781 [math-ph]
48. A. P. Isaev, S. O. Krivonos and O. V. Ogievetsky, BRST charges for finite nonlinear algebras. Elementary Particles and Atomic Nuclei 7 (2009). ArXiv: 0807.1820 [math-ph]
49. S. Khoroshkin and O. Ogievetsky, Diagonal reduction algebras of gl type. CPT-P096-2008. Functional Analysis and Applications **44** No. 3 (2010) 182-198. DOI: 10.1007/s10688-010-0023-0. ArXiv: 0912.4055 [math.RT]
50. A. P. Isaev and O. V. Ogievetsky, Braids, shuffles and symmetrizers. J. Phys. A: Math. Theor. **42** (2009) 1–15. CPT-P094-2008. ArXiv: 0812.3974 [math.QA]
51. O. Ogievetsky and T. Popov, Cremmer-Gervais quantum Lie algebra, Fortschr. Phys. **57** (2009) 654–658. ArXiv: 0905.0882 [math-ph]

Proceedings, avec comité de lecture

1. H. Ewen, O. Ogievetsky and J. Wess, Realizations and real Forms of quantum groups in two dimensions; in: Quantum symmetries (Clausthal, 1991) 135–146, World Sci. Publishing, River Edge, NJ, 1993.
2. V. Jain and O. Ogievetsky, Real Forms of quantum groups; in: Proceedings of XIX International Colloquium on Group Theoretical Methods in Physics, Salamanca, June 1992, Anales de Fisica, Monografias, M.A. del Olmo, M. Santander and J. Mateos Guilarte (Eds.), CIEMAT/RSEF, Madrid (1993) 161.
3. J. Wess, B. Zumino, O. Ogievetsky and W. B. Schmidke, Quantized Minkowski space; in: Proceedings of II Max Born Symposium, Wroclaw, September 1992.
4. O. Ogievetsky, Hopf structures on the Borel subalgebra of $sl(2)$; in: Proceedings of Winter School in Geometry and Physics, Zdikov, January 1993, Supplemento ai Rendiconti del Circolo Matematico di Palermo, Serie II – Numero 37 (1994) 185.
5. O. Ogievetsky, M. Pillin, W. B. Schmidke, J. Wess and B. Zumino, q-deformed Minkowski space; in: Wendisch-Rietz Proceedings (1992) 72.

6. O. Ogievetsky, M. Pillin, W. B. Schmidke, J. Wess and B. Zumino, q-deformed Minkowski space; in: Proceedings of XIX International Colloquium on Group Theoretical Methods in Physics, Salamanca, June 1992; (Anales de Fisica, Monografias 1 (1993) 33).
7. O. Ogievetsky, M. Pillin, W. B. Schmidke, J. Wess and B. Zumino, q-deformed massive one-particle states; in: Proceedings of XXI International Conference on the Differential Geometry Methods in Theoretical Physics, Tianjin, China, June 1992; (Int. J. Mod. Phys. A (Proc. Suppl.) **3**A (1993) 161).
8. O. Ogievetsky, W. B. Schmidke, J. Wess and B. Zumino, Symmetry algebra of q-Minkowski space; in: Proceedings of Symposium Particles and Fields, Rydzyna, Poland, April 1992.
9. O. Ogievetsky, M. Pillin, W. B. Schmidke and J. Wess, On massless representations of the q-deformed Poincaré algebra; Proc. of the XXVI International Symposium on the Theory of Elementary Particles, Wendisch-Rietz, Germany 1992; Eds. B. Doerfel and E. Wieczorek, DESY Report 93-013, p. 99.
10. A. P. Isaev, O. V. Ogievetsky, P. N. Pyatov and P. A. Saponov, Characteristic polynomials for quantum matrices, in: Supersymmetries and Quantum Symmetries, Lecture Notes in Physics 524, Springer 1999.
11. A. P. Isaev, O. V. Ogievetsky and P. N. Pyatov, Powers of quantum matrices and relations between them, Preprint CPT-98/P.3703; in: Proceedings of the Workshop Quantum Groups, Palermo, 1997; ed.: D. Kastler et al., Nova Science, New York, 1999.
12. A. Isaev, O. Ogievetsky and P. Pyatov, Q-multilinear algebra, in: Lie Theory and its Applications in Physics III, World Scientific 2000; Preprint CPT-99/P3880. ArXiv: math.QA/9912231
13. A. P. Isaev, O. V. Ogievetsky, P. N. Pyatov and V. N. Tolstoy, Modified affine Hecke algebras and Drinfeldians of type A, in: Proceedings of the International Symposium Quantum Theory and Symmetries, World Scientifiic 2000. ArXiv: math.QA/9912063
14. O. Ogievetsky and Z. Papadopolos, On inflation of Mosseri-Sadoc tilings, in: Discrete Mathematics 221 2000; Proceedings of 7th International Conference on Quasicrystals, Preprint CPT-99/P3894. ArXiv: math-ph/9911005
15. A. Isaev, O. Ogievetsky and P. Pyatov, Cayley-Hamilton-Newton identities and quasitriangular Hopf algebras, in: Supersymmetries and Quantum Symmetries, Dubna Publishing 2000. ArXiv: math.QA/9912197
16. A. Isaev and O. Ogievetsky, Modified basis and quantum R-matrices corresponding to Belavin-Drinfeld triples, CPT- 2001/P.4215. in: New Developments in Fundamental Interaction Theories, (37th Karpacz Winter School of Theoretical Physics, Karpacz, Poland, 6-15 February 2001), AIP Conf. Proceedings, Vol. 589 (2001) p. 241.
17. A. P. Isaev and O. V. Ogievetsky, Representations of A-type Hecke algebras; in: Proceedings of International Workshop Supersymmetries and Quantum Symmetries Dubna (2006) 132–141. ArXiv: 0912.3701[math.QA]
18. O. Ogievetsky and T. Popov, On rime Ansatz; in: Proceedings of International Workshop Supersymmetries and Quantum Symmetries Dubna (2007). ArXiv: 0712.3953 [math.QA]
19. A. P. Isaev, O. V. Ogievetsky and A. F. Oskin, Open Hecke chains for corner type representations; in: Proceedings of International Workshop Supersymmetries and Quantum Symmetries 07 Dubna (2008).

20. A. P. Isaev and O. V. Ogievetsky, Jucys–Murphy operators for Birman–Murakami–Wenzl algebras; in: Supersymmetries and Quantum Symmetries 2009. ArXiv: 0912.4010 [math.QA]

Book reviews

1. O. Ogievetsky, Book Review: Superstrings and Supergravity, A. T. Davies and D. G. Sutherland (Eds), Edinburgh 1986; Class. Quantum Gravity **4** (1987) 495.
2. O. Ogievetsky, Book Review: Topological and Geometrical Methods in Field Theory, J. Hietarinta and J. Westerholm (Eds), World Scientific 1986; Class. Quantum Gravity **5** (1987) 535.
3. O. Ogievetsky, Book Review: Complex Differential Geometry and Supermanifolds in Strings and Fields, P. J. M. Bongaarts, R. Martini (Eds), Lecture Notes in Physics, v. 311, Springer-Verlag 1988; Physics Uspekhi **12** (1989) 723.
4. O. Ogievetsky, Book Review: Twistor Geometry and Field Theory, R. S. Ward and R. O. Wells Jr, Cambridge University Press 1990; Class. Quantum Gravity **8** (1991) 412.

Preprints

1. O. Ogievetsky, Real forms of special linear quantum groups; Preprint MPI-Ph/92-49.
2. O. Ogievetsky, Real forms of symplectic and orthogonal quantum groups; Preprint MPI-Ph/92-50.
3. O. Ogievetsky, M. Pillin, W. B. Schmidke and J. Wess, Hilbert space representation of the q-qeformed Poincaré algebra on the light cone; Preprint MPI-PH/92-86.
4. V. Jain and O. Ogievetsky, Quantum de Sitter and conformal Groups; Preprint MPI-Ph/92-100.
5. O. Ogievetsky, Quantengruppen, ein verallgemeinertes Symmetrieprinzip, Preprint MPI-Ph.
6. O. Ogievetsky, $\hat{R}$-matrix for elliptic Calogero system; 3 and 4 particles, Preprint MPI-Ph/93-104.
7. H. Ewen and O. Ogievetsky, Classification of the $GL(3)$ quantum matrix groups, Preprint MPI-Ph/94-93. ArXiv: q-alg/9412009
8. O. Ogievetsky, Maximal topological field theory, Preprint MPI-Ph/94-95.
9. O. Ogievetsky, Jordan algebras and Drinfeld-Sokolov reduction, Preprint MPI-Ph/95-12.
10. O. Ogievetsky, Quantization on Riemann surfaces, Preprint MPI-Ph/95-20.
11. O. Ogievetsky, Matrix structure of $SL_q(2)$ for q a root of unity, Preprint CPT 96/P3390.
12. O. V. Ogievetsky and P. N. Pyatov, Dynamical R-matrices in dimension 3, Preprint CPT-2000/P.3960.
13. A. P. Isaev and O. V. Ogievetsky, On representations of BMW algebras. In preparation.
14. O. Ogievetsky and P. Pyatov, Orthogonal and symplectic quantum matrix algebras and Cayley-Hamilton theorem for them. ArXiv: math.QA/0511618
15. P. Godard and O. Ogievetsky, Commutator subgroups of Coxeter groups. CPT-P50-2006.
16. T. Grapperon and O. Ogievetsky, Braidings of tensor spaces. CPT-P03-2008. arXiv:1004.2117 [math.QA]
17. P. Godard and O. Ogievetsky, Twisted Mosseri-Sadoc tiling. In preparation.
18. O. Ogievetsky and A. Vahlas, Quantum characteristic polynomial in dimension 3. In preparation.

19. A. P. Isaev and O. V. Ogievetsky, BRST operator for quantum Lie algebras: braid combinatorics and ghost current. In preparation.
20. O. Ogievetsky and R. Trinchero, R-matrix for weak Hopf algebras. In preparation.
21. P. Godard and O. Ogievetsky, Universal R-matrix for κ-euclidean group. In preparation.
22. T. Grapperon and O. Ogievetsky, Braidings of tensor spaces: modular case. In preparation.
23. O. Ogievetsky and L. Poulain dAndecy, Yang-Baxter relations in the alternating group and its central extension. CPT-P095-2008
24. S. Khoroshkin and O. Ogievetsky, Structure constants of diagonal reduction algebras of gl type. In preparation.
25. O. Ogievetsky and T. Popov, Ice and rime quantum Lie algebras. In preparation.
26. A. P. Isaev and O. V. Ogievetsky, Cayley–Hamilton–Newton identities for half-quantum matrices. In preparation.
27. O. Ogievetsky and L. Poulain dAndecy, On representations of cyclotomic Hecke algebras. CPT-P020-2010

Traduction des livres

1. Geometric ideas in physics; Collection of articles; anglais-russe; Moscou, Mir (1983).
2. J. Wess and J. Bagger, Supersymmetry and supergravity; anglais-russe; Moscou, Mir (1986).
3. N. Koblitz, Introduction to elliptic curves and modular functions; anglais-russe; Moscou, Mir (1988).
4. Monopoles: topological and variational methods; Collection of articles; anglais-russe; Moscou, Mir (1989).
5. M. Atiyah and N. Hitchin, The geometry and dynamics of magnetic monopoles; anglais-russe; Moscou, Mir (1991).