
Vladimir Remeslennikov

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CURRENT POSITIONS

- **Professor** of Department of Mathematics, Omsk State University, Russia

- **Head of Department** of Institute of Mathematics, Siberian Branch of the Russian Academy of Sciences

- **Adjunct Professor** of the Department of Mathematics and Statistics, McGill University, Montreal, Canada

DEGREES

I. M. Vinogradov Award for the cycle of works titled "Algebraic Geometry for free groups and Lie algebras", Russia	2007
Honored Worker of Science , Russia (A distinction approved by the President of Russia)	2004
Doctor of Science (Habilitation) in Mathematics (Algebra and Mathematical Logic): Investigation of Residually Finite and Infinite Solvable Groups, Institute of Mathematics, Novosibirsk, Russia	1974
Ph.D. in Mathematics (Algebra and Mathematical Logic): Conjugacy in Groups, Institute of Mathematics, Novosibirsk, Russia	1967
M.Sc. in Mathematics (with Honour) , Perm State University, Russia	1961

RESEARCH ACTIVITIES

- Group Theory
- Model Theory
- Algorithmic Problems in Algebra

FELLOWSHIPS AND HONOURS

Distinguished Visiting Researcher , The Victoria University of Manchester, England	2005
Visiting Research Fellow , NSERC Grant, McGill University, Canada	2004–2005
Visiting Research Fellow , EPSRC Grant GR/S71200/01, University of Newcastle, England	2003
Visiting Research Fellow , EPSRC Grant GR/R29451, UMIST, England	2001
Russian Presidential Fellowship for Outstanding Scholars	1994–2001
Russian Fund for Fundamental Research Awards , Principal Investigator	1991–2001
Visiting Research Fellow , EPSRC Grant GR/M98951, UMIST, England	1999
Soros Professor	1997
Soros Foundation Research Grant	1994–1995
Research Fellowship of the American Mathematical Society	1993–1994

EMPLOYMENT

Adjunct Professor of the Department of Mathematics and Statistics, McGill University, Montreal, Canada	2008–2013
Chair of the Combinative and Calculating Methods of Algebra and Logic Laboratory, Omsk Branch of Institute of Mathematics, SB RAS	1978–present

Chair of the Division of Mathematical Logic and Logical Programming, Omsk State University, Omsk, Russia	1994–present
Vice-President of The Institute of Applied Mathematics, Omsk, Russia	1991–1997
Visiting Professor , McGill University, Montreal, Canada	1993, 1994
Visiting Professor , Manitoba University, Winnipeg, Canada	1992
Professor of Algebra, Department of Mathematics, Omsk State University, Omsk, Russia	1978–1993
Chair of the Division of Applied Mathematics, Omsk State University, Omsk, Russia	1989–1991
Visiting Professor , Bielefeld University, Bielefeld, Germany	1979
Chair of the Division of Algebra, Omsk State University, Omsk, Russia	1978–1982
Professor of Algebra, Department of Mathematics, Novosibirsk State University, Novosibirsk, Russia	1976–1978

INVITED ADDRESSES

International Algebraic Conference on the Occasions of the 100 th Anniversary of Professor A.G. Kurosh, Moscow, Russia	2008
General Mathematics Seminar in Petersburg Department of Steklov Institute of Mathematics, St. Petersburg, Russia	2008
Euskal Herriko Unibertsitatea, Bilbao, Spain	2007
International Conferences Dedicated to Memory of A.I. Maltsev, Novosibirsk, Russia	2001– 2007
Manchester University, England	2006, 2007
Stevens University, Hoboken, USA	2006

Moscow Symposium on Logic, Algebra and Computation, Russia	2006
International Conferences "Methods of Logic in Mathematics III", St. Petersburg, Russia	2006
Combinatorial and Geometric Group Theory Conference, Nashville, TN, USA	2006
CRM-ICM Mathematics Colloquium, Montreal, Canada	2005
International Algebraic Conference "Group Theory and Universal Algebra" in Honor of the 80 th Birthday of Professor Boris I. Plotkin, Jerusalem, Israel	2005
International Algebraic Conference Dedicated to the 100 th Anniversary of P.G. Kontorovich and the 70 th Anniversary of L.N. Shevrin, Ekaterinburg, Russia	2005
Ottawa Mathematics Colloquium, Montreal, Canada	2005
Winter Meeting of the Canadian Mathematical Society, Montreal, Canada	2004
International Algebraic Conference on the Occasions of the 250 th Anniversary of Moscow State University and the 75 th Anniversary of the Department of Algebra, Moscow, Russia	2004
Annual Meeting of the American Mathematical Society, Baltimore, USA	2003
International Conference on Modern Algebra, Honoring the 60 th Birthday of Ralph McKenzie, Nashville, TN, USA	2002
Manchester Algebra Seminar, Manchester, England	1993, 1999, 2002
Conference on Geometric and Combinatorial Group Theory, Edinburgh, Scotland	1993, 1998
Workshop on General Combinatorial Group Theory, Montreal, Canada	1997
Conference Groups St Andrews 1997, Bath, England	1997

Symposium on Pro-p-Groups and Related Topics, Durham, England	1997
Group Theory Day at US Naval Academy, Annapolis, USA	1995, 1996
Algebra Seminar, McGill University, Montreal, Canada	1994–1996
New York Group Theory Seminar, New York, USA	1994
International Conferences on Algebra, Krasnoyarsk, Russia	1993
All-Union Conferences on Mathematical Logic, Alma-Ata, Kazakhstan	1992
International Conferences on Algebra, Barnaul, Russia	1991
Soviet-American Symposium “Algebraic Groups and Related Number Theory”, Minsk, Byelorussia	1991
Easter Conference on Model Theory, Berlin, Germany	1991
Conferences on Group Theory, Obervolfach, Germany	1986, 1991
International Conferences on Algebra, Novosibirsk, Russia	1989
All-Union Conferences on Mathematical Logic, Novosibirsk, Russia	1988
All-Union Conferences on Mathematical Logic, Moscow, Russia	1984
All-Union Algebraic Conferences	1974–1989
Omsk State University Algebra Seminar, Omsk, Russia	annually

PHD SUPERVISION

Successful dissertation supervision of 26 PhD students and 9 Doctor of Science (Habilitation).

Among them: Alexei Miasnikov (McGill), Alexandre Borovik (University of Manchester), Vitaly Roman'kov (Omsk State University), Alexandre Zubkov (Institute of Mathematics, Russia), Ekaterina Lyutikova, Ilya Kazachkov, Denis Serbin

SELECTED PUBLICATIONS (1969–2008)

1. V.N. Remeslennikov, *Representation of finitely generated metabelian groups by matrices*, Algebra and Logic, 8 №1 (1969), 39–40

2. V.N. Remeslennikov, *Conjugacy in polycyclic groups*, Algebra and Logic, 8 №6 (1969), 404–411

3. V.N. Remeslennikov, V.G. Sokolov, *Some properties of Magnus embedding*, Algebra and Logic, 9 №5 (1970), 342–349

4. V.N. Remeslennikov, *Residual finiteness of groups with respect to conjugacy*, Sib. Math. J., 12 №5 (1971), 783–792

5. V.N. Remeslennikov, *On finitely presented groups* (Russian), Proc. of IV All-Union Symposium on Group Theory, Novosibirsk, 1973, 164–169

6. V.N. Remeslennikov, *Finitely presented group whose center is not finitely generated*, Algebra and Logic, 13 №4 (1974), 258–264

7. V.N. Remeslennikov, *Investigations in residually finite and infinite soluble groups*, Doctor of Sci. Thesis, Novosibirsk, 1974, 152 p.

8. V.N. Remeslennikov, N.S. Romanovskii, *Algorithmic problems for soluble groups*, "Word Problems. II", North-Holland Publishing Company, 1980, 337–346

9. A.G. Miasnikov, V.N. Remeslennikov, *Formula definability of sets of Malcev bases* (Russian), Abstracts of XVI All-Union Algebraic Conf. V.1, Leningrad, 1981, 113–114

10. A.G. Miasnikov, V.N. Remeslennikov, *Finite-dimensional algebras and k -groups of finite rank*, Contemporary Math., 33 (1984), 436–453

11. V.N. Remeslennikov, V.A. Roman'kov, *Model-theoretic and algorithmic problems in group theory*, J. Math. Sci., 31 №3 (1985), 2887–2939

12. A.G. Miasnikov, V.N. Remeslennikov, *Recursive p -adic numbers and elementary theories of finitely generated pro- p -groups* (Russian), Proc. of AS USSR, Ser. "Mathematics", 30 №3 (1988)

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13. V.N. Remeslennikov, \exists -free groups, *Sib. Math. J.*, **30** №6 (1989), 998–1001
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14. O.V. Mel'nikov, V.N. Remeslennikov and V.A. Roman'kov, *Group theory. Series "Reference literature in mathematics". Algebra. V.1* (Russian), Moscow: Nauka, 1990, 66–209
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15. A.G. Miasnikov, V.N. Remeslennikov, *Admissible sets in group theory*, *Algebra and Logic*, **31** №4 (1992), 248–261
-
16. A.G. Miasnikov, V.N. Remeslennikov, *Exponential groups I: Foundations of the theory and tensor completions*, *Sib. Math. J.*, **35** №5 (1994), 986–996
-
17. V.Ya. Belyaev, E.E. Lyutikova and V.N. Remeslennikov, *Categoricity of finitely generated algebraic systems in HF-logic*, *Algebra and Logic*, **34** №1 (1995), 6–17
-
18. V.N. Remeslennikov, \exists -free groups and groups with length function, II Intern. Conf. on Algebra (Barnaul, 1991); *Contemporary Math.*, Amer. Math. Soc., Providence, RI, 1995, 369–376
-
19. A.G. Myasnikov, V.N. Remeslennikov, *Exponential groups II: Extensions of centralizers and tensor completion of CSA-groups*, *Intern. J. of Algebra and Computation*, **6** №6 (1996), 687–711
-
20. G. Baumslag, A. Miasnikov and V.N. Remeslennikov, *Algebraic geometry over groups I: Algebraic sets and ideal theory*, *J. of Algebra*, **219** (1999), 16–79
-
21. G. Baumslag, A. Miasnikov and V.N. Remeslennikov, *Algebraic geometry over groups, Algorithmic problems in groups and semigroups* (Lincoln, NE, 1998), 35–50; *Trends in Math.*, Birkh er Boston, Boston, MA, 2000, 51–90
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22. I.M. Chiswell, V.N. Remeslennikov, *Equations in free groups with one variable*, *J. of Group Theory*, **3** №4 (2000), 445–466
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23. A. Myasnikov, V. Remeslennikov, *Algebraic geometry over groups II: Logical foundations*, *J. of Algebra*, **234** (2000), 225–276
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24. G. Baumslag, A. Myasnikov and V. Remeslennikov, *Discriminating completions of hyperbolic groups*, *Geometriae Dedicata*, **92** №1 (2002), 115–143
-
25. A.V. Borovik, A.G. Myasnikov and V.N. Remeslennikov, *Multiplicative measures on free groups*, *Internat. J. of Algebra and Computation*, **13** №6 (2003), 705–731
-
26. O.G. Kharlampovich, A.G. Myasnikov, V.N. Remeslennikov and D.E. Serbin, *Subgroups of fully residually free groups: algorithmic problems*, *Contemporary Math.*, Group Theory, Statistics and Cryptography, Amer. Math. Soc., Providence, RI, **360** (2004), 63–101
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27. V. Remeslennikov, R. Stöhr, *On the quasivariety generated by a non-cyclic free metabelian group*, *Algebra Colloq.*, **11** №2 (2004), 191–214
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28. V.N. Remeslennikov, N.S. Romanovskii, *Irreducible algebraic sets in metabelian groups*, *Algebra and Logic*, **44** №5 (2005), 336–347

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29. A. Kvaschuk, A. Myasnikov and V. Remeslennikov, *Algebraic geometry over groups III: Elements of model theory*, J. of Algebra, **288** №1 (2005), 78–98
-
30. E.Yu. Daniyarova, V.N. Remeslennikov, *Bounded algebraic geometry over a free Lie algebra*, Algebra and Logic, **44** №3 (2005), 148–167
-
31. E.S. Esyp, I.V. Kazatchkov and V.N. Remeslennikov, *Divisibility theory and complexity of algorithms for free partially commutative groups*, Contemporary Math., Groups, Languages, Algorithms, **378** (2005), 319–348
-
32. A.G. Myasnikov, V.N. Remeslennikov, D.E. Serbin, *Regular free length functions on Lyndon's free $\mathbb{Z}[t]$ -group $F^{\mathbb{Z}[t]}$* , Contemporary Math., Amer. Math. Soc., Providence, RI, **378** (2005), 37–77
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33. V.N. Remeslennikov, E.I. Timoshenko, *On topological dimensions of u -groups*, Sib. Math. J., **47** №2 (2006), 341–354
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34. A.G. Myasnikov, V.N. Remeslennikov and D.E. Serbin, *Fully residually free groups and graphs labeled by infinite words*, Intern. J. of Algebra and Computation, **16** №4 (2006), 689–737
-
35. A.J. Duncan, I.V. Kazachkov and V.N. Remeslennikov, *Parabolic and quasiparabolic subgroups of free partially commutative groups*, J. of Algebra, **318** №2 (2007), 918–932
-
36. G.A. Fernández-Alcober, I.V. Kazachkov, V.N. Remeslennikov and P. Symonds, *Comparison of the discrete and continuous cohomology groups of a pro- p group*, Algebra and Analysis, **19** №6 (2007), 126–142
-
37. A.V. Borovik, A.G. Myasnikov and V.N. Remeslennikov, *Generic complexity of the conjugacy problem in HNN-extensions and algorithmic stratification of Miller's groups*, Intern. J. of Algebra and Computation, **17** №5/6 (2007), 963–997
-
38. V.N. Remeslennikov, R. Stöhr, *The Equation $[x, u] + [y, v] = 0$ in free Lie algebras*, Intern. J. of Algebra and Computation, **17** №5/6 (2007), 1165–1187
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39. A.V. Borovik, A.G. Myasnikov and V.N. Remeslennikov, *The conjugacy problem in amalgamated products 1: regular elements and black holes*, Intern. J. of Algebra and Computation, **17** №7 (2007), 1301–1335
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40. A.V. Borovik, A.G. Myasnikov and V.N. Remeslennikov, *Conjugacy problem in HNN-extensions: Regular elements and black holes*, Herald of Omsk University, special volume, Combinatorial methods in algebra and complexity theory (2007), 75–83
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41. A.J. Duncan, I.V. Kazachkov and V.N. Remeslennikov, *Orthogonal systems in finite graphs*, SEMR, **5** (2008), 151–176
-
42. E. Daniyarova, A. Miasnikov and V. Remeslennikov, *Unification theorems in algebraic geometry*, prepared for publication
-
43. A.J. Duncan, I.V. Kazachkov and V.N. Remeslennikov, *Automorphisms of partially commutative groups I: Linear subgroups*, submitted
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44. A.J. Duncan, I.V. Kazachkov and V.N. Remeslennikov, *Stability of universal equivalence of groups under free constructions*, to appear in Herald of Omsk University
