

Stanislav FEDOTOV

CURRICULUM VITAE

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Date and place of birth : 28.04.1987, Moscow, Russia.

Research field

Algebraic Transformation Groups, Invariant theory, Lie Groups and Lie Algebras,
Representations of Quivers

Education

2004 — 2009	study at Moscow State University faculty of Mathematics and Mechanics Specialization : Algebra Supervisor Ivan V. Arzhantsev honors diploma (obtained in June, 2009)
2009 — 2012	Ph. D. study in Moscow State University Supervisor Ivan V. Arzhantsev
2013	defended Ph. D. thesis “Semi-invariants and moduli spaces of representations of quivers”

Teaching

Fall 2011	“Introduction to Representations of Quivers” at Independent University of Moscow
Spring 2012	“Linear Algebra” (seminars) at Moscow State University
Fall 2012	“Algebra-III” (seminars) at Moscow State University
Fall 2012	“Infinite Dimensional Algebraic Varieties” (seminar, with S.A. Gaifullin) at Moscow State University
Fall 2013	“Transformation Groups” (seminar, with I.V. Arzhantsev and S.A. Gaifullin) at Moscow State University

Work

2013 —	supervisor of the Yandex School of Data Analysis, Yandex
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Visits

November 2010	Ruhr University of Bochum
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Publications

- S. N. Fedotov : *Affine algebraic groups with periodic components*. Abstracts of talks of the International algebraic conference on the occasion of 100th anniversary of Professor A. G. Kurosh (2008), 292-294.
- S. N. Fedotov : *Semi-invariants of 2-representations of quivers*. Abstracts of talks of the summer school-conference “Lie Algebras, Algebraic Groups and Invariant Theory” (2009), 62-63.
- S. N. Fedotov : *Affine algebraic groups with periodic components*. — Sb.: Math. **200**:7 (2009), 1089-1104; arxiv: math.AG/08062130
- S. N. Fedotov : *Semi-invariants of 2-representations of quivers*. — Math. Notes **92**:1 (2012), 106-115; arxiv: math.RT/0909.4489v1
- S. N. Fedotov : *Framed moduli and Grassmannians of submodules*. Abstracts of talks of the second winter school-conference “Lie Algebras, Algebraic Groups and Invariant Theory” (2011), 71-72.
- S. N. Fedotov : *Framed moduli spaces and tuples of operators*. — Fundam. Prikl. Mat. **17**:5 (2012), 187-209; arxiv: math.AG/1203.3174v1
- S. N. Fedotov : *Framed moduli spaces and tuples of operators*. Abstracts of talks of the third winter school-conference “Lie Algebras, Algebraic Groups and Invariant Theory” (2012), 59-60.
- S. N. Fedotov : *Framed moduli and Grassmannians of submodules*. — Trans. Amer. Math. Soc. **365** (2013), 4153-4179; arxiv: math.AG/1010.4761v2
- S. N. Fedotov : *Generalized King’s construction for quivers*. Abstracts of talks of the fourth winter school-conference “Lie Algebras, Algebraic Groups and Invariant Theory” (2014), 54-56.

Awards and Honors

1. Scholarship of Moscow Government, 2007
2. Diploma of the finalist at Moebius Contest, 2008
3. Scholarship of Russian Federal Government, 2011
4. Scholarship of the Simons Foundation, 2012

Talks

- Seminar on Lie Groups and Lie Algebras (I. V. Arzhantsev, D. A. Timashev), Moscow State University
talk “Cartan’s Theorem”, 17.11.2006
- Seminar on Algebraic Groups and Invariant Theory (E. B. Vinberg, I. V. Arzhantsev, D. A. Timashev), Moscow State University
talk “Schubert Cells and Cohomology of G/P ”, 13.02.2008
talk “Picard group of homogenous spaces”, 26.11.2008
- Graduate seminar at the summer school “Geometric methods in representation theory”, Grenoble, France
talk “Affine algebraic groups with periodic components”, 18.06.2008
- Seminar on Lie Groups and Invariant Theory (E. B. Vinberg, A. L. Onishchik, I. V. Arzhantsev, D. A. Timashev), Moscow State University
talk “Framed Moduli Spaces”, 21.10.2009

Algebraic Seminar of Department of Mathematics of National Academy of Sciences of Ukraine (Yu. A. Drozd), Department of Mathematics of National Academy of Sciences of Ukraine
talk “Framed Moduli and Grassmannians of submodules”, 05.10.2010

Seminar of Department of Algebra and Number Theory, Institute for Information Transmission Problems
talk “Moduli Spaces of Representations of Quivers and their realizations”, 22.10.2010

Research Seminar on Algebraic Geometry (H. Flenner), Ruhr University of Bochum
talk “Framed Moduli and Grassmannians of submodules”, 08.11.2010

Research Seminar on Representation Theory (M. Reineke), University of Wuppertal
talk “Framed Moduli and Grassmannians of submodules”, 23.11.2010

Research Seminar on Algebra, Moscow State University
talk “Representations of Quivers and Grassmannians of Subrepresentations”, 20.02.2012

Conferences

International algebraic conference on the occasion of 100th anniversary of Professor A. G. Kurosh, Moscow State University, Russia, May 28 — June 3, 2008
“Affine algebraic groups with periodic components”

Summer school-conference “Lie Algebras, Algebraic Groups and Invariant Theory”, Samara, Russia, June 8 - 15, 2009

“Semi-invariants of 2-representations of quivers”

“Algebraic Groups and Invariant Theory”, Centro Stefano Francini, Ascona, Switzerland, August 30 — September 4, 2009

Joint algebraic seminar of Kiev State University and Moscow State University, Taras Shevchenko National University of Kyiv, October 11 - 14, 2009

“Semi-invariants of 2-representations of quivers”

Second school-conference “Lie Algebras, Algebraic Groups and Invariant Theory”, Moscow, Russia, January 31 – February 5, 2011

“Framed Moduli and Grassmannians of submodules”

Birational and Affine Geometry, Moscow, Russia, April 23 – April 27, 2012

Third school-conference “Lie Algebras, Algebraic Groups and Invariant Theory”, Moscow, Russia, June 25 – 30, 2012

“Framed moduli spaces and tuples of operators”

Workshop and International Conference on Representations of Algebras (ICRA 2012), Bielefeld, Germany, August 8 – 17, 2012

“Framed Moduli Spaces, Grassmannians and tuples of operators”

Fourth school-conference “Lie Algebras, Algebraic Groups and Invariant Theory”, Moscow, Russia, January 27 – February 1, 2014

“Generalized King’s construction for quivers”

Summer schools

Summer school “Geometric methods in representation theory”, Grenoble, France, June 16 – July 4, 2008

Summer school “Structures in Lie Representation Theory”, Jacobs University Bremen, Germany, August 9 - 22, 2009

Moduli of Curves and Gromov-Witten Theory, Grenoble, France, June 20 - July 8, 2011

First Latin American School on Algebraic Geometry and Applications, Buenos Aires and La Chumbre, Argentina, August 1 - 12, 2011

34th Autumn School in Algebraic Geometry: Geometric Invariant Theory, old and new, Lukecin, Poland, September 18 - 24, 2011

The 5th Mathematical Society of Japan Seasonal Institute, 2012

International summer school and conference on Schubert calculus

Foriegn Languages

English (fluent)