

Curriculum Vitae

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Date and Place of Birth: 23 December 1969 at Kharkov (Ukraine)

Nationality: Ukraine

Permanent residency: France

Marital Status: Unmarried

Education:

- B. Sc. Kharkov State University, Ukraine (1994)
- PhD course hold jointly in Kharkov State University and University Paris-Sud (Orsay, France) under supervision of Professors V. G. Drinfeld and G. Laumon.
Ph.D thesis "Orthogonality relations between automorphic sheaves attached to 2-dimensional irreducible local systems on a curve" defended at University Paris-Sud (April 1999).

Field of study: Algebraic geometry, geometric Langlands program,
geometric representation theory

Employment:

- professeur à l'Université Nancy 1 (since 1.09.2008 till present)
- member of IAS (Princeton, USA) for the academic year 2006-2007
- maitre de conférences at University Paris 6 (01.09.2001 - 31.08.2008)
- Postdoctoral European Institute Fellow (IPDE) at IHES, Bures-sur-Yvette, France (2000/2001 academic year)
- ATER, a full-time teaching position, University Paris-Sud, Orsay (1999/2000 academic year)

Degree:

- Ph.D in pure mathematics, University Paris-Sud (France), awarded April 9, 1999
- Habilitation à diriger les recherches, awarded June 14, 2006 (University Paris 6, France)

Visiting positions (at least one month):

- Max-Plank Institute, Bonn, Germany (spring term 2000)
- University of Chicago, USA (October 2000)
- Tata Institute of Fundamental Research, Bombay, India (February 2001)
- Tata Institute of Fundamental Research, Bombay, India (January 2002)
- University of Chicago, USA (May 2004)

Grants:

- INTAS 94-4720 (Kharkov group of INTAS)
- PhD course at University Paris-Sud supported by a grant of French government

List of publications

- 1) S. Lysenko, On the functional equation $f(p(z)) = g(q(z))$, where f and g are meromorphic functions, and p and q are polynomials. Math. Physics, Analysis and Geometry, vol. 2, No.1, p.68-86 (1995) (Russian)

- 2) S. Lysenko, On the functional equation $f(p(z)) = g(q(z))$, where p, q are "generalized" polynomials and f, g are meromorphic functions, *Izv. Ross. Akad. Nauk Ser. Math.*, vol. 60, No.5, p.89-110 (1996), translation in: *Izv. Math.* 60 (1996), no. 5, p. 963-984
- 3) S. Lysenko, On the functional equation $f(p(z)) = g(q(z))$, where f and g are meromorphic functions, and p and q are generalized polynomials, *Dopov. Nats. Akad. Nauk Ukr. Math. Prirodozn. Tekh. Nauki*, No. 7, p.31-34 (1997) (Russian)
- 4) D. Arinkin and S. Lysenko. Invertible sheaves on the moduli variety of $SL(2)$ -bundles with a connection on P^1 , *Dopov. Nats. Akad. Nauk Ukr. Math. Prirodozn. Tekh. Nauki*, No.6, p.7-11 (1997) (Russian).
- 5) D. Arinkin and S. Lysenko. Isomorphisms between moduli spaces of $SL(2)$ -bundles with connections on $\mathbb{P}^1 \setminus \{x_1, \dots, x_4\}$, *Math. Research Letters*, vol. 4, No.2-3 (1997), p.181-190.
- 6) D. Arinkin and S. Lysenko. On the moduli of $SL(2)$ -bundles with connections on $\mathbb{P}^1 \setminus \{x_1, \dots, x_4\}$. *IMRN*, No. 19, p.983-999 (1997).
- 7) S. Lysenko, Local geometrized Rankin-Selberg method for $GL(n)$ and its application, *C.R. Acad. Sci. Paris*, t.329, Serie 1, p.1065-1070 (1999).
- 8) S. Lysenko, Local geometrized Rankin-Selberg method for $GL(n)$, *Duke Math. J.*, vol. 111, no.2 (2002)
- 9) S. Lysenko, Whittaker and Bessel functors for GSp_4 , *Annales Institut Fourier*, t.56, No. 5 (2006), 1505-1565
- 10) S. Lysenko, Geometric Bessel models for GSp_4 and multiplicity one, *IMRN*, vol. 43 (2005), p. 2657-2694
- 11) S. Lysenko, Moduli of metaplectic bundles on curves and Theta-sheaves, *Ann. Scient. École Norm. Sup.*, 4^e série, t. 39 (2006), p. 415-466
- 12) S. Lysenko, Geometric Waldspurger periods. *Compos. Math.* 144 (2008), no. 2, p. 377-438

Preprints

- 1) S. Lysenko, Orthogonality relations between automorphic sheaves attached to irreducible local systems of rank 2 on a curve, PhD thesis (1999)
http://www.math.u-psud.fr/~biblio/the/1999/2111/the_1999_2111.html
- 2) S. Lysenko, Global geometrized Rankin-Selberg method for $GL(n)$, *math.AG/0108208*

- 3) S. Lysenko, On automorphic sheaves on Bun_G , math.RT/0211067
- 4) M. Finkelberg, S. Lysenko, Twisted geometric Satake equivalence, arXiv:0809.3738