

## CURRICULUM VITAE

**NAME:** TIKHOMIROV Alexander Sergeevich

**DATE AND PLACE OF BIRTH:**

May 22, 1950, Yaroslavl, RUSSIA

**PERMANENT ADDRESS:**

Department of Mathematics  
National Research University  
Higher School of Economics  
7 Vavilova str.  
117312 Moscow, RUSSIA

**HOME ADDRESS:**

Tolbuhina str. 26, apt.58,  
Yaroslavl 1500014, RUSSIA

**EDUCATION:**

**1965-1967:** pupil of Moscow specialized physico-mathematical boarding school No. 18 ("Kolmogorov's internat")

**1967-1972:** student of Department of Applied Mathematics and Control at Moscow Physiko-Technical Institute.

**1973-1975:** graduate student at Yaroslavl State Pedagogical University.  
Research adviser: Professor Z.A.Skopets.

**PhD** May 25, **1975** (Yaroslavl, YSPU)

PhD thesis: *"Questions of line geometry in the 4-dimensional projective space and their interpretation on the grassmannian variety"*

**Doctor of Phys.-Math. Sci.** April 6, **1986:** (St. Petersburg State Univ.)

Doctoral thesis: *"Intermediate Jacobian of Fano threefolds of index two"*

## EXPERIENCE

**1975-1982:** assistant professor at Yaroslavl State Pedagogical University (YSPU)

**1982-1987:** associate professor at YSPU

**1984-2013:** chairman of the chair of algebra at YSPU

**1991-2000:** chairman of the PhD Council on Mathematical Logic, Algebra and Number Theory at USPU

**1987-2014:** professor at YSPU

Since **2014:** professor at National Research University Higher School of Economics (NRU HSE), Moscow

Since **1981** the following my graduate students defended Ph.D.: D.Logachev (1981), V.Alexeyev (1985), V.Shenderovky (1988), D.Kuznetsov (1989), T.Troshina (1993), N.Tyurin (1996), N.Timofeeva (1999), D.Artamkin (2004), M.Sorokina (2006), T.Matytsina (2007), A.Uvarov (2012), M.Zavodchikov (2012), S.Ermakova (2015).

**RESEARCH FIELD:**

**Algebraic Geometry, relations to Gauge Theory and Differential Geometry**

## PROFESSIONAL ACTIVITIES

- June-July **1989**: Univ. of Chicago, USA-USSR Symposium on Algebraic Geometry
- December **1990**-April **1991**: Univ. of Erlangen-Nurnberg, Visiting Researcher, DFG
- March **1991**: Max Planck Institute for Math., Bonn, Workshop on Algebraic Geometry
- February-April **1992**: Univ. of Chicago, Visiting Professor
- August **1992**: YSPU, Yaroslavl, International Conference on Algebraic Geometry
- December **1992**: Univ. of Kaiserslautern, Visiting Researcher, DFG
- January-March **1994**: Univ. of Michigan, Visiting Professor
- June-July **1994**: Univ. of Kaiserslautern, Visiting Researcher, DFG
- August **1994**: YSPU, Yaroslavl, International Conference on Algebraic Geometry
- January-March **1995**: Univ. of Michigan, Visiting Professor
- June **1995**: A.Poincare Institute of Math., Paris, Workshop on Vector Bundles
- February-May **1996**: Johns Hopkins Univ., Baltimore, Visiting Professor
- April **1996**: Johns Hopkins Univ., Conference on Birational Geometry
- June-July **1996**: University of Bielefeld, Visiting Researcher, SFB
- June **1997**: Univ. of Lille, Conference on Algebraic Geometry
- October **1998**-March **1999**: Max Planck Institute for Math., Bonn, Visiting Researcher
- June **1999**: Univ. of Lille, Conference "Singularities in Algebraic Geometry", Invited Lecturer
- June-July **1999**: Math. Institute Oberwolfach, Visiting Researcher
- April-July **2000**: Univ. of Kaiserslautern, Visiting Professor
- September-November **2000**: Univ. of Lille, Visiting Researcher, CNRS
- December **2000**-February **2001**: Max Planck Institute for Math., Bonn, Visiting Researcher
- June **2001**: Steklov Math. Institute, Moscow, Conference on Monodromy in Topology and Algebraic Geometry
- June-July **2001**: Math. Institute Oberwolfach, Visiting Researcher
- October-December **2002**: Max Planck Institute for Math., Bonn, Visiting Researcher
- June **2003**: Univ. of Lille, Conference on Singularities in Algebraic Geometry, Invited Speaker
- May-July, September **2004**: Univ. of Kaiserslautern, Visiting Professor
- November **2004**-January **2005**: Univ. of Lille, Visiting Researcher, CNRS
- February-April **2005**: Max Planck Institute for Math., Bonn, Visiting Researcher
- May **2005**: Univ. of Kaiserslautern, Visiting Professor
- June **2005**: Univ. of Lille, Conference on Geometry of Moduli Spaces
- March-April **2006**: Univ. of Kaiserslautern, Visiting Professor
- June **2005**: Univ. of Lille, Visiting Professor
- February 20, **2007**: Max Planck Institute for Math., talk at Seminar on Algebra, Geometry and Physics
- February-March **2007**: Jacobs Univ. of Bremen, Visiting Professor
- March **2007**: Univ. of Kaiserslautern, Visiting Professor

- December **2007**: Univ. of Lille, Visiting Professor
- April **2008**: Jacobs Univ. of Bremen, Visiting Professor
- January-March **2008**: Max Planck Institute for Math., Bonn, Visiting Researcher
- May **2008**: Steklov Math. Institute, Moscow, and YSPU, Yaroslavl, Conference and Summer School "Algebraic Geometry", co-organizer
- June **2008**: Univ. of Lille, Visiting Professor
- February **2009**: Jacobs Univ. of Bremen, Visiting Professor
- March **2009**: Univ. of Kaiserslautern, Visiting Professor
- May **2009**: Steklov Math. Institute, Moscow, and YSPU, Yaroslavl, Conference and Summer School "Algebraic Geometry and Complex Analysis", Co-organizer
- June **2009**: Univ of Lille, Conference "Holomorphically Symplectic Varieties and Moduli Spaces", Invited Speaker
- February 23, **2010**: Max Planck Institute for Math., talk at Seminar on Algebra, Geometry and Physics
- March **2010**: Univ. of Kaiserslautern, Visiting Professor
- April-May **2010**: SISSA, Trieste, Visiting Researcher
- May **2010**: A.Poincare Institute of Math., Paris, Conference "Derived Categories, Holomorphic Symplectic Geometry, Birational Geometry, Deformation Theory"
- June-July **2010**: Univ. of Lille, Visiting Professor
- June-July **2010**: Math. Institute Oberwolfach, Visiting Researcher
- November **2010**: Freie Univ. Berlin, Conference "Instantons and Rationality of Moduli Spaces", Invited Lecturer
- December **2010**: Univ. of Edinburgh, Conference "Birational Geometry", Invited Speaker
- January-March **2011**: Max Planck Institute for Math., Bonn, Visiting Researcher
- March **2011**: Steklov Math. Institute and HSE, Moscow, Conference "Instantons in Complex Geometry", Co-organizer
- April **2011**: Jacobs Univ. of Bremen, Visiting Professor
- May **2011**: Steklov Math. Institute, Moscow, and YSPU, Yaroslavl, Conference and Summer School "Algebraic Geometry and Complex Analysis", Co-organizer
- July **2011**: HSE, Moscow, and YSPU, Yaroslavl, Summer School "Algebra and Geometry", Co-organizer
- October **2011**: CIRM, Luminy, Conference "Automorphic Forms and Moduli Spaces"
- November **2011**: Jacobs Univ. of Bremen, Visiting Professor
- December **2011**: S.Stoilov Institute of Mathematics, Bucharest, Visiting Professor
- January-March **2012**: SISSA, Trieste, Visiting Professor
- May-July **2012**: Univ. of Lille, Visiting CNRS Researcher
- May **2012**: Univ. of Nantes, Conference "Geometry of Kähler manifolds and Symplectic Geometry", Invited Speaker
- June **2012**: Univ. of Grenoble "Holomorphic Symplectic Manifolds and Moduli Spaces", Invited Speaker
- September-November **2012**: HSE, Moscow, Visiting Professor

July **2012**: HSE, Moscow, and YSPU, Yaroslavl, Summer School "Algebra and Geometry", Co-organizer

December **2012**: Max Planck Institute for Math., Bonn, talk at Seminar on Algebra, Geometry and Physics

December **2012**: Jacobs Univ. of Bremen, Visiting Professor

May **2011**: Steklov Math. Institute, Moscow, and YSPU, Yaroslavl, Conference and Summer School "Algebraic Geometry and Complex Analysis", Co-organizer

June **2013**: SISSA, Trieste, Workshop "Vector Bundles on Algebraic curves: Hilbert Schemes, Sheaves and Representations", Invited Speaker

July **2013**: HSE, Moscow, and YSPU, Yaroslavl, Summer School "Algebra and Geometry", Co-organizer

September-November **2013**: Jacobs Univ. of Bremen, Visiting Professor

January-March **2014**: Max Planck Institute for Math., Bonn, Visiting Researcher

March **2014**: Univ of Lille, Conference "Moduli spaces of irreducible symplectic varieties, cubics and Enriques surfaces", Invited Speaker

May-June **2014**: SISSA, Trieste, Visiting Professor

July **2014**: HSE, Moscow, and YSPU, Yaroslavl, Summer School "Algebra and Geometry", Co-organizer

September **2014**: Univ. of Lille, Visiting Professor

September 16, **2014**: Univ. of Lille, Talk "Moduli of symplectic instantons" at Seminar on Algebraic Geometry

November 20, **2014**: Steklov Math. Institute, Moscow, Talk "Geometry of moduli spaces of mathematical and symplectic instantons" at V.A.Iskovskikh Seminar on Algebraic Geometry

November 20, **2014**: Steklov Math. Institute, Moscow, Talk "New divisors in the boundary of the instanton moduli space" at I.R.Shafarevich Seminar on Algebraic Geometry

March 20, **2015**: NRU HSE, Moscow, Talk "On the Barth-Van de Ven-Tyurin-Sato theorem" at Bogomolov Laboratory on Algebraic Geometry

April-June **2015**: Univ. of Campinas, SP, Brazil, Visiting Professor

April 6-10, **2015**: IMPA, Rio de Janeiro, Workshop "Moduli Spaces and Enumerative Geometry"

April 22, **2015**: Univ. of Campinas, Talk "On the Barth-Van de Ven-Tyurin-Sato Theorem" at Algebraic Geometry Seminar

May 18-22, **2015**: IMPA, Rio de Janeiro, Workshop "Higher Dimensional Algebraic Geometry"

May 23, **2015**: Univ. of Campinas, Talk "Geometry of the moduli space of symplectic instantons" at Algebraic Geometry Seminar

June 17, **2015**: Univ. of Campinas, Talk "New divisors in the boundary of the instanton moduli space" at Algebraic Geometry Seminar

June 22-24, **2015**: Univ. of Campinas, Workshop "Poisson geometry and related topics"

August 17-21, **2015**: Guarujá - São Paulo, Brazil, Conference "Interactions between Geometry and Physics", Invited Speaker, Talk "New components of the moduli space of rank two semistable sheaves on projective space"

October 26-30, **2015**: CIRM, Luminy, France, Workshop "Moduli Spaces in Geometry", Invited Speaker, Talk (joint with M.Jardim and D.Markushevich) "Torsion free sheaves with zero dimensional singularities".

