

CV of Andrey Semenovich Losev

Born 03 07 1963 in Moscow

Graduated in 1990 from the Second Mathematical School-Moscow.

Graduated in 1996 from

Moscow Physical and Technical Institute,

Department of General and Applied Physics,

qualification written in diploma: experimental nuclear physics,

in fact: theoretical knowledge of general principles of

nuclear and particle physics,

trained in theoretical physics of elementary particles,

published an article on decay of Higgs bosons.

Field of interest - theoretical physics of quantum gravity

and strings, topological theories, mathematical structures of Quantum Field Theory.

1986-1989 - post-graduate at ITEP (Moscow),

1989 - Ph.D. thesis at ITEP, Moscow

on Cutting and Sewing method in CFT,

1989-1991 scientific researcher at ITEP,

1990-1991 part time researcher at NBI, Copenhagen

1995- 1997 part time associate researcher at Yale Univ.

1991 - 2008 - senior researcher at ITEP,

2008 - Doctor of science degree, title of the thesis:

Instantons and topological theories

2008-present time - senior researcher at mathematical

Department of NIISI RAN, and part-time senior researcher at ITEP,

topic of research - mathematical structures in quantum field theory.

During 1989-2010 was short time visitor at

NBI-Copenhagen, Denmark,

CERN-Switzerland-France,

Harvard University, USA,

Helsinki University, Finland,

Madrid University, Spain,

Uppsala University, Sweden,

Yale University, USA,

Hannover University, Germany,

Max Plank Institute, Bonn, Germany

Kyoto RIMS, Japan,

Paris VI, France,

IHES, France,

Tubingen University, Germany,

ETH, Zurich,

Tora Vergata, Rome, Italy,

Fields Institute, Canada,

Shanghai IAS, China.

Author of 57 papers.

Invited talks at conferences:

1988 :

1. on Nor-Amberd International conference on Strings and CFT

1989:

2. on Alushta International conference on Strings and CFT

1992:

1. on Kiev International conference on Quantum Field theory

2. on Rakhov International Conference on Mathematical Physics

1993:

1. on Alushta International Conference on Mathematical Physics

2. on Baltic Rim Conference, Helsinki

3. on Rakhov Conference on Mathematical Physics

4. on Kyoto Conference on Theory of Primitive form

1994:

1. on Trieste conference on String theory
2. on Alushta International conference on Mathematical Physics

1996:

1. on Hamburg conference on Mathematical Physics
2. on Kyoto Taniguchi conference on Primitive form

1998:

1. on Arenshoop conference on String theory

1999:

1. on ITEP International winter School of Physics
2. on Lumini conference on deformation quantization

2000:

1. on Cambridge Workshop on Singularity theory
2. on Moscow Fradkin Memorial conference

2002:

1. on the conference in Bad-Honef on Mathematics and String theory
2. on the conference at Twente University on WDVV equations

2004:

1. on the Conference on field and String theory in Dibna, Russia
2. on the Conference

Continuous advances in OCD, University of Minnesota

2005:

1. On the Conference on topological Strings in Toronto
2. On the conference on Topological theories in Shankhai

2006:

1. On the Conference on Topological Theories in Munich
2. Workshop on pure spinors, San Paolo, Brazil

2007:

1. On the conference on Langlands Programm in Vienna
2. On the conference on tropical geometry in Calgary
3. On the conference t - t^* geometry in Augsburg
4. On the Gokova conference on geometry
5. On Princeton conference on Representation theory and

QFT

2008:

1. Workshop on the Chiral de Rham Complex and Geometry, Max Planck Institute for Mathematics, Bonn
2. School/Workshop "From Integrable Structures to Topological Strings and back", SISSA, Trieste,
3. Geometrical aspects of string theory, Nordita, Stockholm,
4. Higher structures in mathematics and physics, EPFL, Lausanne, Switzerland

2010:

1. International conference ALGEBRAIC GEOMETRY: Methods, Relations, and Applications, Steklov Mathematical Institute, Moscow, Russia
2. Moduli space and mathematical physics, Strasbourg, France
3. Autour des surfaces tropicales, Arolla, Switzerland

2011:

1. Mirror symmetry and tropical geometry, Cetraro, Italy

Lecturing:

1996-Course on topological theories at RIMS and at Tokyo (totally 6 lectures)

1996 - Course on topological theories in

Hamburg-Hannover Wolksvagen program (5 lectures)

1998-1. Introduction to M-theory, at Uppsala University, Sweden (3 lectures)

2. Introduction to M-theory at UMN, Minnesota, USA (4 lectures)

1999- Gauge theories from M-theory at UMN, Minnesota, USA (6 lectures)

2004-Course on classical limit of quantum mechanics (with A.Gorodentsev)

2007-Tropical Mirror (3 lectures at Fields Institute, Toronto)

2008,2009 -Advanced courses on Quantum mechanics, Differential geometry
At Lebedev Institute
2010,2011-Course on String theory, ITEP, Moscow
2011, 2012-lecturing on Gorodentsev seminar on Homological algebra versus QFT
2011 - Mathematical structures of QFT at Lunts dacha seminar - together with
A.Kapustin

Organizer of:

1. The student's seminar
Introduction to Theoretical physics 1998-2001
2. Dubna Summer school on
"Homological algebra and Quantum Field theory" 2004
3. Shankhai School on Topological theories 2005
4. Set of 4 crash courses of leading scientists at ITEP in 2005
5. Paris School on M-theory in 2006 (together with Nekrasov)

I was one of organizers of Fizmatclub at POMI,
and gave numerous lectures there.

Two of my students, Dedushenko and Krotov, are Princeton postgraduates,
and Lysov is Harvard postgraduate.