

INVITED LECTURES AT INTERNATIONAL CONFERENCES

- **Cohomology of braid groups and complexity**, Conference "Unity and Diversity in Mathematical Science" (Smalefest), Berkeley, August 1990
- **Title forgotten, the first conference presentation of finite type knot invariants**; Colloquium on quantum groups and knot theory, Leningrad, December 1990
- Conference "Differential equations and related problems", Moscow, May-June 1991
- **Complements to discriminants of smooth mappings**, College on singularity theory, Trieste, ICTP, August – September 1991
- **Knot invariants and singularity theory**, College on singularity theory, Trieste, ICTP, August – September 1991
- Rencontre Franco-Russe on Geometry, Luminy (France), May 1992.
- International conference dedicated to the memory of A.N. Kolmogorov, Euler Institute, St.-Petersburg, May-June 1993
- International Topology Conference, Athens (Georgia, USA), August 1993
- **Ramification in integral geometry and monodromy of complex links**, French–Russian conference, Moscow, RAS Inst. of Control Problems, 1993
- Conference on moduli spaces of curves, Texel Island, Netherlands, April 1994
- International colloquium dedicated to the 65-th anniversary of Jean Cerf, Bures-Sur-Yvette, May 1994
- **Topology of discriminants and their complements, International Congress of Mathematicians, Zürich, August 1994, Plenary (one-hour) lecture**
- Joint meeting of the I.G. Petrovskii seminar and Moscow Mathematical Society, Moscow, January 1995
- **Topological complexity of root-finding algorithms**, AMS-SIAM seminar "The mathematics of numerical analysis", Park City (Utah, USA), July-August 1995
- **Algebraicity of surface potentials and monodromy of complete intersections**, Conference on Singularity Theory, Oberwolfach, July 1996
- **Topology of two-connected graphs and homology of spaces of knots**, Joint Workshop "Combinatorial Aspects of Finite Type and Quantum Invariants", MSRI, Berkeley, January 1997
- Workshop "Geometric Combinatorics", MSRI, Berkeley, February 1997

- **Homology of i -connected graphs and invariants of knots, plane arrangements, etc.** International conference dedicated to the 60-th anniversary of V.I. Arnold, Toronto, June 1997
- "Solitons, Geometry and Topology: on crossroads." International conference dedicated to the 60-th anniversary of S.P. Novikov, Moscow, May 1998.
- **Topological order complexes and resolutions of discriminant sets**, International conference on Geometric Combinatorics, Kotor, Montenegro, August-September 1998
- **Topological order complexes and topology of discriminants**, International conference dedicated to 90-th anniversary of L.S. Pontryagin, Moscow, August-September 1998.
- **Order complexes of singular sets and topology of spaces of nonsingular projective varieties**, Conference on Singularity Theory, Oberwolfach, May 1999
- **Order complexes of singular sets and topology of spaces of nonsingular projective varieties**, International conference dedicated to the 80-th anniversary of V.A. Rokhlin, St. Petersburg, August 1999.
- **Classification and enumeration of topologically distinct morsifications of real function singularities**, 6-th International Symposium on Effective Methods in Algebraic Geometry (MEGA), Bath (UK), June 2000
- **Resolutions of discriminants and topology of their complements**, course of two lectures, Advanced Study Institute at Newton Inst., Cambridge UK, July-August 2000.
- **Homology of spaces of knots in any dimensions**, Royal Society Discussion Meeting "Topological Methods in Physical Sciences", London, 15-16 November 2000
- **Eilenberg-Moore-Anderson spectral sequence as a banal application of the discriminant topology**, Informal Workshop in Singularity Theory, November 24-25 2000, Newton Mathematical Institute, Cambridge UK
- **Geometry of discriminants and computation of knot invariants**, Workshop in Singularity Theory, 17-19 May 2001, Utrecht, the Netherlands
- **Theory of lacunas and Petrovskii condition for hyperbolic operators**, I.G. Petrovskii Centennial Conference, Moscow, 22-27 May, 2001
- Conference on Monodromy Theory, Steklov Mathematical Institute, June 2001.
- **Combinatorial formulas for cohomology of spaces of knots**, Research workshop in Low-Dimensional Topology, Calgary, August 2001
- **Combinatorial formulas for cohomology of spaces of knots**, International Conference "Fundamental Mathematics Today" dedicated to the 10th anniversary of the Independent University of Moscow, Moscow, December 2001

- **Geometry of Discriminants and Classical Homotopy Topology**, International Conference "Kolmogorov and contemporary mathematics", Moscow, June 16–21, 2003
- **On the cohomology of spaces of self-intersecting curves**, International Conference "Combinatorial Methods in Physics and Knot Theory", Laboratoire J.-V. Poncelet and Independent University of Moscow, 21–25 Febr. 2005.
- **Invariants of self-intersecting curves in \mathbf{R}^3** , Workshop on contemporary mathematics, IMPA, Rio de Janeiro, April 25-26, 2005.
- **On the school textbooks in mathematics**. International conference "Intellectual Russia", Bryansk, November 22–24, 2006.
- **Invariants of links in non-trivial manifolds and textile structures** International conference "Contemporary Mathematics", Budapest, April 19–20, 2008.
- **Solved and unsolved problems of integral geometry and monodromy theory arising from Newton's "Principia"**, Annual Meeting of the Chinese Mathematical Society, April 24-25, 2009.