

# CURRICULUM VITAE

December, 2011

## PERSONAL:

**Name:** Ilya Ponomarenko

**Birth Date:** October 17, 1957

**Birth Place:** St.Petersburg (Leningrad), Russia (USSR)

**Citizenship:** Russia

**Address:** St. Petersburg Department of V.A.Steklov Institute of Mathematics, Russian Academy of Sciences, Fontanka 27, 191023, St.Petersburg, Russia

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**Phone:** 370-26-79

**Language:** Russian (mother tongue), English (read, write, spoken)

## EDUCATION:

**1964–1972** Secondary School, St.Petersburg (Leningrad)

**1972–1974** Mathematics and physics oriented High School, St.Petersburg

**1974–1979** Mathematics and Mechanics Department of the St.Petersburg State University. Primary course: mathematics, computer science. Specialization: operations research. Graduation Thesis: On some problems in graph theory (1979). Advisor: L.M.Bregman, Dr. Sc.

**1986** PhD. Thesis: Polynomial-time Isomorphism Testing for Some Classes of Graphs. Advisor: Professor D.Y.Grigoryev, Dr.Sc.

**2006** Habilitation: The automorphism group of association schemes.

## APPOINTMENTS:

**1990 – ...:** V.A.Steklov Institute of Mathematics at St.Petersburg, Russian Academy of Sciences, Laboratory of Representation Theory and Computational Methods, Leading Research Fellow

**1981 – 1990:** junior and senior researcher in "Systema", scientific and production concern, St. Petersburg, Russia

**1979 – 1981:** lieutenant of Soviet Army (military service)

## PRINCIPAL FIELDS OF INTEREST:

Algebraic combinatorics (coherent configurations, permutation groups). Theory of computational complexity (algebra, combinatorics).

## OTHERS:

**since 2002:** reviewer of Mathematical Reviews

**since 1992:** member of St.Petersburg Mathematical Society (The Chairman – professor A.M. Vershik, Dr.Sc.)

**1981–1992:** participant of St.Petersburg Seminar on Computation Complexity Theory, St.Petersburg Department of Steklov Mathematical Institute (The Chairman - professor A.O. Slisenko, Dr.Sc.)

**since 1992:** participant of St.Petersburg Seminar on Representation Theory, St.Petersburg Department of Steklov Mathematical Institute (The Chairman - professor A.M. Vershik, Dr.Sc.)

**1984–1987:** reviewer of Soviet Review Journal, Mathematics

## INVITED AS A PARTICIPANT:

First Russian Finnish Symposium on Discrete Mathematics, St.Petersburg, Russia, September, 21–24, 2011 (invited talk),

The international conference on algebra and geometry, Ekaterinburg, Russia, August 22-27, 2011 (invited talk).

Agebraic Graph Theory Summer School 2011, Rogla, Slovenia, June, 26 – July 2, 2011 (talk).

7th Slovenian International Conference on Graph Theory Bled, Slovenia, June 19-25, 2011 (invited talk).

2th International Workshop on Symmetries of Graphs and Networks, Rogla, Slovenia, August, 1–6, 2010 (talk).

International conference "Discrete mathematics, algebra and their applications" (DIMA09), Minsk, Belarus, October 19–22, 2009 (talk).

International conference dedicated to 80th birthday of A.I.Kostrikin, Nal'chik, Russia, July 6-12, 2009 (talk).

5th Workshop Graph Embeddings and Maps on Surfaces, Low Tatras, Slovakia, June, 28–July 3, 2009 (talk).

5th Japan-Korea Workshop on Algebra and Combinatorics, Kyushu University, Fukuoka, Japan, September 19–20, 2008 (invited talk).

International Conference on Algebraic Aspects of Association Schemes and Scheme Rings, Regina, Canada, July 8–11, 2008 (talk).

6th Slovenian International Conference on Graph Theory Bled, Slovenia, June 24–30, 2007 (talk).

International conference on Group Theory, Nal'chik, Russia, June 10–15, 2006 (talk).

International workshop "Groebner Bases in Cryptography, Coding Theory, and Algebraic Combinatorics" , Linz, Austria, May 1–7, 2006 (talk).

Second International Conference "Methods of Logic in Mathematics", St.-Petersburg, Russia, July 18–24, 2005 (talk).

International workshop "Recent Progress in Association Schemes", St.-Petersburg, Russia, July 5–7, 2005 (organizer, talk).

Com<sup>2</sup>MaC Conference on Association Schemes, Codes and Designs, Busan, Korea, July, 2004 (talk).

Workshop Open Problems on Association Schemes, Busan, Korea, July, 2004 (invited talk).

6th IMACS Conference on Applications of Computer Algebra, St. Petersburg, Russia, June, 2000 (member of conference committee, talk).

International Algebraic Conference dedicated to the memory of D.K.Faddeev, St. Petersburg, Russia, June, 1997 (talk).

The Second International Conference on Mathematical Algorithms, Nijni Novgorod, Russia, June, 1995 (member of conference committee, talk).

Algebra and Combinatorics: Interactions and Applications, Conference dedicated to the memory of Lev Arkad'evic Kaluznin on the occasion of his 80th birthday, Königstein, Germany, 1994 (talk).

The 1st International Conference on Algebraic Combinatorics ALCOM, Vladimir, USSR, 1991 (talk).

The Conference on Molecular Graphs in Chemical Researches, Kalinin, USSR, 1990 (lecture).

The 8th Conference on Mathematical Logic, Moscow, URSS, September 16–18, 1986 (talk).

The 4th Conference on Applications of Methods of Mathematical Logic, Tallinn, URSS, 1986 (talk).

Soviet Conference on Estimation of Complexity of Computation, Grodno, Belorussia, May, 1983 (talk).

The all-union workshop on graphs, hipergraphs and matroid theory, Odessa, USSR, 1980 (talk).