

Curriculum vitae of  
YURI MATIYASEVICH

(March 26, 2022)

BORN on March 2, 1947 in Leningrad, the USSR

CITIZENSHIP: the USSR (born), Russia (at present)

PROFESSIONAL ADDRESS: 27, Fontanka  
St.Petersburg Department of  
Steklov Institute of Mathematics (POMI)  
St.Petersburg, Russia 191023  
email: yumat@pdmi.ras.ru

EDUCATION:

- *student*, Department of Mathematics and Mechanics of Leningrad State University, 1964–1969;
- *post-graduate student*, Steklov Institute of Mathematics, Leningrad Branch (LOMI), 1969–1970.

DEGREES and TITLES:

- *Candidate of Sciences in Physics and Mathematics*, (PhD) Steklov Institute of Mathematics, Leningrad Branch, 1970;
- *Doctor of Sciences in Physics and Mathematics*, (DSc) Steklov Institute of Mathematics, Moscow, 1972 (approved by Higher Attestation Committee in 1973);
- *Professor*, St.Petersburg State University, 1995;
- *Docteur Honoris Causa*, l'Université d'Auvergne, France, 1996;
- *Corresponding member*, Russian Academy of Sciences, 1997;
- *Docteur Honoris Causa*, Université Pierre et Marie Curie (Paris-6), France, 2003;
- *Corresponding member*, Bavarian Academy of Sciences, 2007;
- *Full member*, Russian Academy of Sciences, 2008;
- *Member*, Academia Europaea, 2014;
- *Docteur Honoris Causa*, Aix-Marseille Université, France, 2020.

PROFESSIONAL AWARDS:

- *Prize in Mathematics named after A.A.Markov*, the Academy of Sciences of the USSR, 1980.
- *Humboldt Research Award*, 1997
- *Pacific Institute of Mathematical Sciences Distinguished Chair*, 1999/2000

RESEARCH INTERESTS:

- Decision problems of algebra and number theory
- Graph colorings
- Riemann's zeta function

RESEARCH POSITIONS:

- Steklov Institute of Mathematics, Leningrad/St.Petersburg Branch:
  - *younger researcher*, 1970–1974;
  - *senior researcher*, 1974–1980;
  - *head of laboratory*, 1980–2017;
  - *counsellor of Russian Academy of Sciences*, 2017–present.

TEACHING POSITIONS:

- *Professor*, Polytechnical Institute at Leningrad, 1980–1981;
- *Professor*, Leningrad/St.Petersburg State University, 1989–1995, 2003–2016.

PUBLICATIONS: More than 100 papers and one book:

- *Hilbert's Tenth Problem*
  - original Russian edition: Nauka, Moscow, 1993;
  - English translation: The MIT Press, Boston a.o., 1993;
  - French translation: Masson, Paris a.o., 1995.
  - Greek translation: *Ευρυαλος*, ΑΘΗΝΑ, 2022.

FORMER PH.D. STUDENTS:

- E. MUSAEV (1988);
- V. VSEMIRNOV (1998);
- A. PASTOR (2002);
- D. KARPOV (2004);
- YU. LIFSHITS (2007).

SUPERVISING OF SCIENTIFIC PROJECTS SPONSORED BY:

- *Russian Academy of Sciences*;
- *Russian Foundation for Basic Research (RFBR)*;
- *International Association for the promotion of co-operation with scientists from the New Independent States of the former Soviet Union (INTAS)*.

SELECTED INVITED LECTURES:

- *International Congress of Mathematicians in Nice*, 1970;
- *International Congresses for Logic, Methodology and Philosophy of Sciences*:
  - Bucharest, 1971;
  - London, Ontario, 1975;
- *Fourth Hungarian Computer Science Conference*, 1985;
- *First Conference of Canadian Number Theory Association*, Banff, Alberta, 1988;
- *Logic Foundations of Computer Science*, Yaroslavl', Russia, 1997;
- *Hilbert's Tenth Problem: Relationship with Arithmetic and Algebraic Geometry*, Ghent, Belgium, 1999;

- *Hilbert's Problems*, Pisa, Italy, 2001;
- *Computer Science in Russia*, Nizhnii Novgorod, Russia 2012;
- *The Alan Turing Centenary Conference*, Cambridge, UK, 2012;
- *IJCAR*, 2012
- *The Incomputable*, Chicheley Hall, Newport Pagnell, UK, 2012.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- President, *Leningrad/St.Petersburg Mathematical Society* (re-elected for the third term in 2018);
- *Leonhard Euler International Charitable Foundation for Mathematics* (member of the Board of Trustees);
- *European Association for Theoretical Computer Science*.

MEMBERSHIP IN EDITORIAL AND ADVISORY BOARDS:

- journal *Discrete Mathematics* (Moscow);
- journal *Computer Instruments in Education* (St.Petersburg);
- journal *Chebyshevskii Sbornik* (Tula, Russia);
- LFCS Steering Committee.

(CO)CHAIR OF PROGRAM AND ORGANIZING COMMITTEES:

- *9th All-Union Conference on Mathematical Logic*, Leningrad, 1988;
- *Logic Foundations of Computer Science*, St.Petersburg, 1994;
- *14th Days of Weak Arithmetics*, St.Petersburg, 1997;
- *First St.Petersburg Days of Logic and Computability*, St.Petersburg, 1999;
- *Logic and Complexity in Computer Science*, Paris, 2001;
- *21st Days of Weak Arithmetics*, St.Petersburg, 2002;
- *Hilbert's Tenth Problem, Mazur's Conjecture and Divisibility Sequences*, Mini-Workshop at Oberwolfach (Germany), 2003;
- *Second St.Petersburg Days of Logic and Computability*, St.Petersburg, 2003;
- *Leonhard Euler And Modern Combinatorics*, Saint-Petersburg, 2007;
- *Diophantine equations*, trimester at The Hausdorff Research Institute for Mathematics, Bonn, 2009;
- *First Russian–Finnish Symposium on Discrete Mathematics*, Saint-Petersburg, 2011;
- *Second Russian–Finnish Symposium on Discrete Mathematics*, Turku, 2012;
- *Third Russian–Finnish Symposium on Discrete Mathematics*, Petrozavodsk, 2014;
- *Third St.Petersburg Days of Logic and Computability*, St.Petersburg, 2015;
- *Fourth Russian–Finnish Symposium on Discrete Mathematics*, Turku, 2017;
- *Fourth St.Petersburg Days of Logic and Computability*, St.Petersburg, 2019;
- *Fifth Russian–Finnish Symposium on Discrete Mathematics*, Velikiy Novgorod, 2019.

URL:

- <https://logic.pdmi.ras.ru/~yumat>