

## CURRICULUM VITÆ

*Andrey Morozov*

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### Personal Data

Current Address: Sobolev Institute of Mathematics SB RAS, Koptyug Ave. 4, Novosibirsk, 630090, Russia  
Tel. +7(383) 3297679 (office)  
Fax +7(383) 3332598  
E-mail: [morozov@math.nsc.ru](mailto:morozov@math.nsc.ru)

Permanent address: Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences, Koptyug Ave. 4, Novosibirsk, 630090, Russia  
Phone +7(383) 3297679 (office)  
Fax +7(383) 3332598  
Email: [morozov@math.nsc.ru](mailto:morozov@math.nsc.ru)  
WWW home page: <http://math.nsc.ru/~asm256>

### Education and Certificates

- 1976-1981: M.S. (with honors) Mathematical Department of the Novosibirsk State University
- 1983: defended Ph. D. (Candidate of Sciences) thesis at the Mathematical Department of the Novosibirsk State University (advisor: S.S.Goncharov)
- 1990: defended DrSc (Doctor of Sciences) thesis at the Sobolev Institute of Mathematics of Siberian Branch of Russian Academy of Sciences, approved by Higher Attestation Committee of the USSR in 1991
- 1992: State Certificate of Docent (Assoc. Professor) from the Russian State Committee for Science and Education
- 1993: State Certificate of Full Professor from the Russian State Committee for Science and Education

### Employment

- 1981-1983: Probationer, Institute of Mathematics of the Siberian Branch of the Academy of Sciences of the USSR
- 1983-1985: Junior Research Fellow, Institute of Mathematics of the Siberian Branch of the Academy of Sciences of the USSR
- 1985-1991: Research Fellow, Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences (the same institute as before renamed)
- 1991: Senior Research Fellow, Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences
- 1991-2004: Leading Research Fellow, Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences
- 1994-1995: Visiting Professor, Institute for studies in Physics and Mathematics and Sharif University of Technology in Tehran (Iran)
- 1997-1998: Alexander von Humboldt Fellow, University of Heidelberg (Germany)
- 2004-present: Head of the research group Laboratory of Logical Systems (professor) at the Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences

- 1981-present: (second job) Assistant, Associate, Full Professor of the Novosibirsk State University
- 2000: Visiting Professor of the University of Wisconsin, Madison, USA
- 2005: Visiting Professor (Columbian teaching fellow) of the George Washington University, Washington DC, USA
- 2010: Visiting Professor of the National University of Tucuman, Argentina
- 2012: Alexander von Humboldt Fellow, University of Bonn (Germany)
- 2012: Visiting Professor of the Gumilev Eurasian University, Astana, Kazakhstan
- 2013: Visiting Professor of the Gumilev Eurasian University, Astana, Kazakhstan
- 2014: Visiting Professor of the Gumilev Eurasian University, Astana, Kazakhstan
- 2017: Alexander von Humboldt Fellow, University of Bonn (Germany)

### **Awards and Grants**

- 1991: First Prize, Contest of Mathematical Papers at the Sobolev Institute of Mathematics, Novosibirsk
- 1994-1996: President's Individual Grant "For outstanding scientists of Russia"
- 1997: Governmental Grant "Young Doctors of Sciences" (PI)
- 1997-1998: Alexander von Humboldt Fellowship at the University of Heidelberg (Germany)
- 2000-2002: President's Individual Grant "For outstanding scientists of Russia"
- 2001-2003 Grant, Russian Humanity Scientific Foundation (PI)
- 2001-2003: INTAS International Grant on computability theory (Participant)
- 2002-2003 International Grant, German Scientific Society (DFG) and Russian Foundation for Basic Research (Participant)
- 2000-2004: Binational NSF Grant (Participant, PI is Prof. Steffen Lempp)
- 2004: Individual Grant, Russian Science Support Foundation
- 2004 Grant of the London Mathematical Society for visiting the University of Leeds
- 1984-present: Numerous grants supporting participations in conferences from Program Committees of the conferences as well as from Russian Foundation for Basic Research
- 1994-present: Participation in grants from Russian Foundation for Basic Research (S.S.Goncharov PI).
- 2006-2008: International Grant on computability over non-discrete domains, German Scientific Society (DFG) and Russian Foundation for Basic Research (Participant)
- 2005-2007: International Grant on Computability and models, German Scientific Society (DFG) and Russian Foundation for Basic Research (Participant)
- 2006-2008: Binational NSF USA-Russian Grant (Participant)
- 2011-present: Multinational NSF USA-Russia-Kazakhstan-Bulgaria Grant (Participant)
- 2012-2014: Grant of the Russian Ministry of Education, PI
- 2013-2014: Grant "Scientific Schools" (Participant)

### **Affiliations**

American Mathematical Society (AMS)

Alumni of the Heidelberg University (Germany)  
Association for Symbolic Logic  
Siberian Mathematical Society  
Association "Computability in Europe"

### **Invited (Plenary) Lectures**

- 1982: All-Union Conference on Mathematical Logic, Tbilisi, USSR
- 1985: Conference of young mathematicians at the Ural state university, Sverdlovsk, USSR
- 1988: All-Union Conference on Applied Logic, Novosibirsk, USSR
- 1990: All-Union Conference on Mathematical Logic, Leningrad, USSR
- 1993: International Algebraic Conference, Krasnoyarsk, Russia
- 1996: Computability theory, Oberwolfach (Germany)
- 1998: Logic Colloquium-98, Prague (a special session of computability section);
- 1999: Logic Colloquium-99, Utrecht, (Netherlands)
- 2000: International Conference on Mathematical Logic and its applications, Novosibirsk
- 2001: Computability theory, Oberwolfach, 2001
- 2001: International Conference on Computability, Novosibirsk
- 2002: Malcev Meeting, Novosibirsk
- 2003: Algebra and Discrete Mathematics, Hattingen (Germany)
- 2003: Logic for Programming, Artificial Intelligence, and Reasoning, Almaty (Kazakhstan), joint talk with S.S.Goncharov
- 2004: Algebra, Logic, and Cybernetics, Irkutsk.
- 2005: Annual meeting of the Association for Symbolic Logic, Stanford, CA, USA
- 2005: New York City Logical Conference, New York, USA
- 2006: Logic and its Methods in Mathematics, St. Petersburg, Russia (tutorial lecture course)
- 2007: Logic-algorithmic theory of structures, Dagstuhl, Germany
- 2007: A conference in memoriam of A.D.Taimanov, Almaty, Kazakhstan
- 2009: Logic Colloquium 2009, Sofia, Bulgaria (Invited talk on a special session)
- 2009: Malcev Meeting, Novosibirsk
- 2009: Topical Problems of Mathematics and Mechanics, dedicated to 75th anniversary of the Chebotarev Institute for Mathematics and Mechanics
- 2010: Russian-Austrian workshop "Computability and definability", Vienna, Austria
- 2011: Workshop on Computability, Singapore
- 2011: Malcev meeting, Novosibirsk
- 2012: Russian-American symposium on computable structures, Novosibirsk
- 2013: Logic Colloquium 2013, Evora, Portugal
- 2013: Conference on computable models, Banff, Canada
- 2014: International Conference "Algebra, Logic, and applications", Kazan' 2014
- 2015: Spring Easter Sectional Meeting of the American mathematical society, Washington DC, USA
- 2015: Sets and computations, Singapore
- 2015: Malcev meeting 2015, Novosibirsk
- 2015: Logic colloquium-2015, Helsinki, Finland

2017: Computability and Complexity Symposium 2017,  
Wellington, Raumati, New Zealand

### **Invited Lecture Courses**

- 1984: Nukus State University (Uzbekistan, former USSR)
- 1985,1986: Irkutsk State University (Russia)
- 1990: Irkutsk Pedagogical Institute (Russia)
- 1994,1995: Sharif University of Technology, Tehran (Iran)
- 1994, 1995: Kustanai State University (Kazakhstan, former USSR)
- 2000: University of Wisconsin (Madison, USA)
- 2005: George Washington University (Washington DC, USA)
- 2010: National University of Tucuman, Argentina
- 2011: East-Kazakhstan Technical University
- 2012: Eurasian Gumilev University (Astana, Kazakhstan)
- 2013: Eurasian Gumilev University (Astana, Kazakhstan)
- 2014: Eurasian Gumilev University (Astana, Kazakhstan)

### **Some Colloquium and Seminar Talks**

- 1982-present: Numerous talks on seminars “Algebra and Logic”, “Theory of Numberings”, “Constructive models” at the Novosibirsk University and Sobolev Institute of Mathematics
- 1983, 1990: Seminar “Algorithmic set theory”, Math. Department of the Moscow State University (Russia)
- 1984: First Symposium on Ordered groups, Lumini, Marseille (France)
- 1985, 1986, Algebraic and Logical Seminar at the Irkutsk State University (Russia)
- 1988:
- 1988: Logic Colloquium-88, Padova (Italy)
- 1990: Logic Colloquium-90, Helsinki (Finland)
- 1990: Conference Kleene-90, Varna (Bulgaria)
- 1990, 1993: Conference on Ordered groups and Permutations, Lumini, CIRM, Marseille (France)
- 1994: Logic Colloquium 94, Clermont-Ferrand (France)
- 1994: Poster, International Congress of Mathematicians, Zuerich (Switzerland)
- 1995: Mathematical Seminar at the Institute for Studies in Physics and Mathematics in Tehran (Iran)
- 1995: Logic Colloquium-95, Haifa ( Israel)
- 1997, 1998, Oberseminar at the Mathematical Department of the Heidelberg University (Germany)
- 2001, 2002:
- 1998: Logic Seminar of the University of Leeds (UK)
- 1998: Logic Seminar at the Mathematical Institute of Oxford (UK)
- 1998: Logic Seminar at that University of Muenster (Germany)
- 1998: Algebraic Seminar at the University of Oviedo (Spain)
- 2000: Midwest Logic Colloquium (Madison, Wisconsin, USA)
- 2000: Logic Seminar at the Notre Dame University (USA)
- 2000: Logic Seminar of the George Washington University (USA)
- 2001: Workshop on Computability, Heidelberg (Germany)
- 2002: Logic Seminar at the Darmstadt Technical University (Germany)

- 2004: Southeast Logic Colloquium (Gainesville, Florida, USA)
- 2004: Logic Seminar at the University of Leeds (UK)
- 2004: Algebraic Seminar at Cambridge University, Queens' College (UK)
- 2004: Algebraic Seminar at the Queen Mary College of the University of London (UK)
- 2004: Seminar of the Department of Computer Science of the University of Manchester (UK)
- 2005: Notre Dame University, (South Bend, USA)
- 2005: Southeast Logic Colloquium (Gainesville, Florida, USA)
- 2008: University of Connecticut (USA)
- 2008, -17, -18: CUNY, New York City (USA)
- 2008: University of Notre Dame (Indiana, USA)
- 2012: Bonn University (Germany)
- 2012: Heidelberg University (Germany)
- 2012: Darmstadt technical University (Germany)
- 2014: Nazarbaev university (Kazakhstan)
- 2015: CUNY Logic Workshop (New York, USA)

#### **Ph. D. Theses Supervised (listed defended only)**

- 1988: Zainep Dulatova, Novosibirsk State University, "Algorithmic problems in Boolean Algebras"
- 1997: Ekaterina Lipacheva, Kazan' State University, "Recursive and partial automorphisms of Boolean algebras"
- 2000: Boribai Kasymkanuly (Kazakhstan), Kazakh State University (Almaty), "Automorphism groups of atomic Boolean algebras"
- 2001: Elias Fernandez-Combarro Alvarez (University of Oviedo, Spain), University of Oviedo, "Automorphism Groups of Computably Enumerable Predicates and Endomorphisms of Numberings"
- 2006: Nikita Vinokurov, Novosibirsk State University, "Automorphisms of Automatic Structures"
- 2015: Aizhan Satekbaeva, Gumilev Eurasian University, Astana, Kazakhstan (co-supervised)

#### **Service to the Research Community**

- Secretary of the Program Committee, All-Union Conference in Mathematical Logic (Novosibirsk, 1984)
- Secretary of the Program Committee, International Algebraic Conference (Krasnoyarsk, 1993); Program Committee Member, International Conference in Computer science (June 1995, Irkutsk)
- Secretary of the Program Committee, Malcev Meeting (Novosibirsk, 1999)
- Chair of Organizing Committee and member of the Program Committee, Malcev Meeting (Novosibirsk, every year from 2000 to 2012)
- Chair of Organizing Committee and member of Program Committee, International Conference on Mathematical Logic and its applications (Novosibirsk, 2000)
- Chair of Organizing Committee, International Conference on Computability (Novosibirsk, 2001)
- Co-Chair of Program and Organizing Committee, International Congress "Mathematics in 21st Century" (Novosibirsk, 2003)
- Member of the Program and Organizing Committees, 9th Asian Logic Conference (Novosibirsk, 2005)

Member of the Program and Organizing Committees, Mathematics and Contemporary Education, devoted to 45<sup>th</sup> anniversary of the Mathematical Department of the Novosibirsk University  
Co-chair of the international conference “Domains VIII”, Novosibirsk, 2007  
Member of the Program Committee of the international Conference “Computability in Europe”, Heidelberg, Germany, 2009  
Co-chair of the theory track part of the Program Committee of the international Conference “Computer Science in Russia”, Novosibirsk, 2009  
Chair of the Organizing Committee and member of the Program Committee of the international conference devoted to 100<sup>th</sup> anniversary of A.I.Maltsev, Novosibirsk, 2009  
Chair of the Organizing Committee and member of the Program Committee of the international conference devoted to 70<sup>th</sup> anniversary of Yu.L.Ershov, Novosibirsk, 2010  
Chair of the Organizing Committee and member of the Program Committee of the international conference devoted to 60<sup>th</sup> anniversary of S.S.Goncharov, Novosibirsk, 2011  
Member of Program Committees of the annual international conference "Malcev meeting" in 2012-2018  
Member of the Program Committee of the international Conference “Computability in Europe”, Kiel, Germany, 2018

Referee for various mathematical journals, including the Journal of Symbolic Logic, Journal of Pure and Applied Logic, Algebra and Logic, Siberian Journal of Mathematics  
Reviewer for Mathematical Reviews (a journal of the American Mathematical Society)  
Reviewer for Zentralblatt fuer Mathematik

#### **Editorial Boards**

- Vice Editor-in-Chief and one of the founders of the electronic scientific Journal “*Siberian Electronic Mathematical Reports*” (URL <http://semr.math.nsc.ru>)
- Member of the Editorial Board of the journal “*Computability*” (<http://www.computability.de/journal/>)
- Member of the Editorial Board of the journal “*Mathematical Notes of the Yakutsk State University*”.

#### **Service to the Institute of Mathematics and Novosibirsk University**

- Scientific Council, Sobolev Institute of Mathematics, member
- Scientific Council, Mathematical Department of the Novosibirsk State University, member
- Dr.Sc. theses Defense Council at the Sobolev Institute of Mathematics, member
- Dr.Sc. theses Defense Council at the A.P. Ershov Instituts of Informatics systems, member
- Research seminar “Theory of computability” at the Sobolev Institute of Mathematics, co-supervisor (with Yu.L.Ershov and S.S.Goncharov)