

CURRICULUM VITAE OF OLEG VIRO

Date and place of birth: May 13, 1948, Leningrad, USSR.

Citizenship: Russia, Sweden.

Family: wife Julia Viro, daughter Polina Viro (1993), son Ivan Viro (2000).

Contact information:

Electronic mail address: oleg.viro@gmail.com

Home page: www.math.sunysb.edu/~oleg

Institutional addresses:

Institute for Mathematical Sciences, Stony Brook University, Stony Brook,
NY 11794-3660, USA

Tel. +1 (631) 632-8286, FAX: +1 (631) 632-7631.

Positions held

- 2008 – Professor at SUNY, Stony Brook
- 1992 – Senior Researcher, PDMI
(St.Petersburg Department of Steklov Institute)
- 2007 – 2008 Visiting Professor at SUNY, Stony Brook
- 1994 – 2007 Professor of Uppsala University
- 2004 Visiting Professor at University of California Berkeley
- 2000 Visiting Professor at University of Paris VII
- 1992 – 1997 Professor at University of California, Riverside,
F. Burton Jones chair in topology
- 1991 Visiting Professor at University of California, San Diego
- 1988 – 1992 Head of Topology and Geometry
Laboratory, LOMI
(Leningrad Department of Steklov Institute)
- 1986 – 1988 Senior Researcher, LOMI
(Leningrad Department of Steklov Institute)
- 1986 – 1990 Professor of Leningrad State University
- 1980 – 1986 Docent of Leningrad State University
- 1974 – 1980 Assistant Professor of Leningrad State University.

Education

- 1971 - 1973 Graduate student at Leningrad State University, under supervision of Professor V. A. Rokhlin
- 1966 - 1971 Student at Faculty of Mathematics and Mechanics, Leningrad State University
- 1963 - 1966 Student at Leningrad high school 239 specialized in Physics and Mathematics

Degrees

- 1971 Masters Degree in Mathematics, Leningrad State University
 1974 Candidate of Phys.-Mat. Sci. (Ph. D.), Leningrad State University, Dissertation “Topological invariants of branched coverings of manifolds with boundary”
 1983 Doctor of Phys.-Mat. Sci. (habilitation), Leningrad State University, Dissertation “Real algebraic varieties with prescribed topological properties”

Research interests

Geometry and topology, especially topology of low dimensional manifolds and topology of real algebraic varieties.

Selected invited addresses

1. International Congress of Mathematicians in Warsaw 1983, Section Geometry *Progress of the last five years in topology of real algebraic varieties.*
2. European Congress of Mathematicians in Barcelona 2000, plenary lecture *Dequantization of real algebraic geometry on a logarithmic paper.*

Awards and honors

- 1975 Young Mathematician prize of Leningrad Mathematical Society
 1993 A three year NSF grant, \$ 89,100
 1994-95 NFR Grant (Sweden), SEK 100,000
 1994 Crafoord Stipendium for research in Differential Geometry, SEK 210,000
 1996 Magnusson grant for support of joint summer research work with L.Rozansky and V.Turaev in Sweden, SEK 32,000
 1997 Göran Gustafsson prize, SEK 100,000, and stipendium of total SEK 2,100,000 for the period of 1998-2000
 2002 Swedish Academy of Science grant for collaboration with fSU, SEK 90,000
 2003–2005 Swedish Research Council grant Nr: 621-2002-54, SEK 1,460,160

Teaching experience

Leningrad State University (1974-1990):

main undergraduate and graduate courses in Topology and Geometry.

High School 45 at Leningrad State University (1974-1979):

a general class of Geometry and an advanced course (Topology).

UC San Diego (1991):

undergraduate Complex Analysis, graduate course Quantum Invariants.

UC Riverside (1992-97):

graduate and undergraduate Topology, Honors Calculus.

Uppsala University (1994-2006):

Differential Topology, Linear Algebra, Topology, Geometry, Real and Complex Geometry, Real Analysis, Knot Theory.

University Paris VII (2000):

Topology of Real Algebraic Curves.

UC Berkeley (2004):

Topology of Real Algebraic Varieties.

Ph. D. students

	name	defense year	present position(s), if known
1	V. G. Turaev	1979	Boucher Professor, Indiana University
2	V. L. Kobelsky	1982	Docent, Pedagogical University, St. Petersburg
3	N. Yu. Netsvetaev	1985	Chair Professor, St. Petersburg State University
4	S. M. Finashin	1985	Professor, Middle East Technical University (Ankara)
5	A. I. Degtyarev	1988	Professor, Bilkent University, Ankara,
6	A. N. Protopopov	1989	Docent, St. Petersburg State University
7	V. F. Mazurovsky	1990	
8	I. V. Itenberg	1991	Professeur, Université Louis Pasteur, Strasbourg
9	G. B. Mikhalkin	1994	Professor, Geneva University
10	A. N. Shumakovich	1996	Assistant Professor, George Washington University
11	V. Tchernov	1997	Associate Professor, Dartmouth College
12	L. T. F. Langford	1997	Assistant Professor, University of Wisconsin-River Falls
13	Sara Mohanty	1997	Director of Tor Anumana Research and Development Company, India
14	T. Ekholm	1998	Professor, Uppsala University
15	O.-P. Ostlund	2001	
16	M. Jacobsson	2003	Post. Doc., Aarhus University
17	M. Mroczkowski	2004	Assistant Professor, Gdansk University

Services

Member of Council of St. Petersburg Mathematical Society.

In 1989 - 1992, Vice President of St. Petersburg Mathematical Society.

In 1988 - 1990, organizer of LOMI track, a joint project of LOMI and the Department of Mathematics and Mechanics of Leningrad State University, a separate program for advanced first and second year students with a new coherent system of main mathematical lecture courses.

Since 1988 a member of Editorial Board of the journal *Algebra i Analiz* (which is translated into English as *St. Petersburg Mathematical Journal* by the American Mathematical Society).

Associate editor of *Journal of Knot Theory and Its Ramifications*.

In 2000 - 2001 editor of *Acta Mathematica*

Organizer of Workshop on real algebraic geometry in the Fields Institute, Toronto, January 1997.

Organizer of a year program *Topology and Geometry of Quantum Fields* at the Mittag-Leffler Institute in 1998/99.

Organizer of a workshop *Amoebas and Tropical Geometry* at AIM in October 2003.

Organizer of a semester program *Topological aspects of real algebraic geometry* at MSRI in the Spring of 2004.

Organizer of a workshop *Extreme forms of real algebraic varieties* at AIM in April 2006.

Organizer of a conference CAT2006 *Categorification in Algebra and Topology 2006* at Uppsala University, September 2006.

Translation from English to Russian of a monograph *Four-dimensional topology* by R. Mandelbaum, ‘Mir’, Moscow, 1981.

Editor of translations for three monographs:

1. H. Zieschang, E. Vogt, H.-D. Coldewey, *Surfaces and discontinuous groups*, ‘Nauka’, Moscow, 1988.
2. L. Guillou, A. Marin, *A la recherche de la topologie perdue*, ‘Mir’, 1989.
3. M. Goresky, R. MacPherson, *Stratified Morse Theory*, ‘Mir’ Moscow, 1991.

Volumes of proceedings edited by Viro

1. Topology and Geometry. Rohlin Seminar, a volume dedicated to the memory of V.A.Rokhlin, Lecture Notes in Mathematics, vol. 1346, (1988).
2. A volume of Proceedings of LOMI Topological Seminar. The extended version of the latter was published in English by AMS: Topology of manifolds and varieties, Advances of Soviet Mathematics, vol 18 (1994).
3. Topology of real algebraic varieties and related topics, AMS Translations, Series 2, vol. 173 (1995).