

Curriculum Vitae

Mikhail Lyubich

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Date of birth: February 25, 1959.

Education

MS 1980, Kharkov State University. Thesis: “Entropy of rational maps”.

PhD 1984, Tashkent State University. Thesis: “Dynamics of rational maps”.

Main area of research:

Complex and Real Low-Dimensional Dynamics.

Positions:

- Feb 1990 – now: (Assistant/Associate/Full) Profesor of the Institute for Math. Sciencies (IMS) and Math. Dept. at Stony Brook
- Sept 1995 – Aug 2007: Deputy Director of the IMS,
- In 2002 – 2008 I held a cross-appointment as Professor and Canada Research Chair at the University of Toronto.
- Sept 2007 – now: Director of the IMS at Stony Brook.

Awards

- Prize of Leningrad Math. Society 1987
- Alfred P. Sloan Research Fellowship 1991-1994
- NSF grants 1991-2010
- NSERC grant 2003-2008
- Guggenheim Fellowship, 2002 - 2004.
- Jeffery-Williams prize of the Canadian Math. Soc., 2010.

Publications

I have published about 80 research papers, 7 surveys, and have edited 5 books of Proceedings.

Invited addresses

- International Congress of Mathematicians, Zürich (1994)
- International Congress in Mathematical Physics, London (July 2000)
- First Latin American Congress of Mathematicians, IMPA (July 2000)
- Plenary adrees at the annual AMS meeting in Washington, DC (Jan 2000)

- Plenary address at the joint meeting of FSM and CMS, Toulouse (July 2004)
- Jeffery-Williams Prize lecture at the Meeting of the Canadian Math Society, June 2010.

Lecture series

- European Math. Society Lecture Series “Real and Complex Dynamics”, St. Petersburg - Barcelona - Copenhagen (May - June 1999)
- Lecture series on the Real and Complex Dynamics in Kyoto - Hiroshima - Tokyo (June 2000)
- Workshop on Dynamical Systems, Trieste (August 2001). Mini-course on the Regular and Stochastic Dynamics in the real quadratic family.
- Winter School “Recent Trends in Non-linear Dynamics”, Cullera, Spain (Jan 2008). Mini-course “Introduction to Holomorphic Dynamics”.
- Winter school in Complex Analysis and Geometry (Jan 2010). Mini-course “Lee-Yang zeros and 2D rational dynamics ”.
- Workshop “Discrete groups in complex geometry”, Trieste (July 2010). Mini-course “On the problem of local connectivity of the Mandelbrot set”

Students

I have advised 11 PhD students.

Organizing scientific events

I have organized or co-organized 3 one-term Scientific Programs:

- Holomorphic Dynamics and Hyperbolic Geometry, MSRI (Spring 1995),
- Two programs at the Fields Institute in Toronto: “Renormalization in Dynamics and Math. Physics” (fall 2005) and “Holomorphic Dynamics, Hyperbolic Geometry, and Laminations” (spring 2006).

I have also organized or co-organized about 10 Conferences including:

- “Laminations and foliations in dynamics, geometry and topology”, Stony Brook (May 1998);
- “Graphs and patterns in mathematics and theoretical physics” in honor of Dennis Sullivan’s 60th birthday, Stony Brook (June 2001);
- “Holomorphic Dynamics” in honor of John Milnor’s 75th birthday (Fields Institute, March 2006).