

YAROSLAV V. LAVRENYUK (Lavreniuk)

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Current position:

Senior researcher.

Research interests:

Group theory (groups generated by finite automata, weakly branch groups; locally finite groups);
Dynamical systems (symbolic dynamics; groups and groupoids acting on the Cantor set);
Operator algebras (algebras associated to group actions);

Education and degrees:

1992–1997 student, Kyiv Taras Shevchenko University, Mechanics and Mathematics faculty (1994 - 1997: Algebra department).

1997 M.S. in Mathematics (with honors).

1997–2000 post-graduate student, Kyiv Taras Shevchenko University, Mechanics and Mathematics faculty, Algebra department.

2000 Ph.D. (C.Sc.) defended in Kyiv Taras Shevchenko University. Thesis title: “Level transitive automorphism groups of rooted trees”. Supervisor: Prof. Vitaliy I. Sushchansky.

2009 Habilitation work (D.Sc.) defended in Kyiv Taras Shevchenko University. Thesis title: “Homeomorphism groups of Cantor spaces”. Scientific adviser: Prof. Vitaliy I. Sushchansky.

Professional career:

from 2008 Senior researcher, Kyiv National Taras Shevchenko University, Mechanics and Mathematic faculty (Ukraine).

2006–2009 Deputy dean (on research) of Mechanics and Mathematics faculty, Kyiv Taras Shevchenko University (Ukraine).

2004–2008 Researcher (research fellow), Kyiv National Taras Shevchenko University, Mechanics and Mathematic faculty (Ukraine).

2001–2004 Junior researcher (junior research fellow), Kyiv National Taras Shevchenko University, Mechanics and Mathematic faculty (Ukraine).

Research visits:

2004, April–May — Uppsala University (Sweden).

2006, September–October — Texas AM University (USA).

2007, June — Ljubljana University (Slovenia).

2008, March–April — Texas AM University (USA).

Grants and Awards:

2009 — winner of mathematics competition for young mathematicians in Ukraine in 2009
(<http://shevchenko.org/MatPhysTech/competition.htm>).

1995, 1997 — International Soros Science Foundation grant for university students.

Participated conferences:

1996 — International Conference in memory of Kravchuk, (Kyiv, Ukraine).

1996 — IV International Conference “Groups and Group Rings”, (Lubin Velykyj, Ukraine).

1997 — International Conference in Algebra in Memory of Gluskin, (Slovjansk, Ukraine).

1999 — VII International Conference “Groups and Group Rings”, (Bialystok, Poland), short talk.

1999 — International Algebraic Conference, (Vinnytsya, Ukraine).

2001 — Third International Algebraic Conference in Ukraine, (Sumy, Ukraine).

2002 — International Conference in memory of Kaluzhnin, (Kyiv, Ukraine).

2002 — International Conference in memory of Grave, (Kyiv, Ukraine).

2003 — International Conference “GROUP THEORY: combinatorial, geometric, and dynamical aspects of infinite groups”, (Gaeta, Italy).

2003 — X International Conference “Groups and Group Rings”, (Ustron, Poland), short talk.

2005 — “5th International Algebraic Conference in Ukraine”, (Odessa, Ukraine), sectional talk.

2006 — Algebraic workshop in celebration of Prof. V.I.Sushchansky’s 60th birthday, (Kyiv, Ukraine), plenary talk.

2007 – “6th International Algebraic Conference in Ukraine” (Kamyanets-Podilsky, Ukraine), plenary talk.

2007 – “Classes of groups, algebras and their applications” (Gomel, Belarus), plenary talk.

2008 – “Groups generated by automata” (Ascona, Switzerland), plenary talk.

2008 – “5th Linear Algebra Workshop” (Kranjska Gora, Slovenia), sectional talk.

Seminar and Colloquium talks:

Kyiv Taras Shevchenko University

Ljubljana University (Slovenia, 2007)

Mathematical Institute of Ukrainian Academy of Sciences

Texas AM University (USA, 2006, 2008)

Additional experience:

1997–2002 — Member of the organizing committee of Ukrainian Mathematical Competitions for schoolchildren (regional level).