

CV of Alexander Dranishnikov

RESEARCH INTERESTS

Geometric Topology, Geometric Group Theory, Dimension Theory.

PROFESSIONAL PREPARATION

- Doctor of Sciences, Steklov Mathematical Institute, Moscow 1987;
- Ph.D., Lomonosov Moscow State University, 1983;
- Diploma, Lomonosov Moscow State University, 1980;
- High School Diploma, Kolmogorov Physics and Mathematics school at Lomonosov Moscow State University, 1975.

SELECTED PROFESSIONAL EXPERIENCE

- since 2009 Distinguished Professor, University of Florida.
- 1995- 2009 Professor, University of Florida.
- 1999-2000 Professor, Penn State University.
- 1994-1995 Associate Professor, University of Miami, Coral Gables, FL.
- 1990, 1992-1994 Visiting Professor, Cornell University, Ithaca, NY
- 1985-1992 Minor, Senior, Leading Researcher, Steklov Mathematical Institute, Moscow, Russia
- Visiting scholar, MPI fur Mathematik Bonn (Germany) 2000, 2005, 2006, 2010, 2014.
- Visiting scholar, ETH Zurich (Switzerland) 2003, 2009, 2012.
- Visiting scholar, IHES (France) 1999, 2002, 2008.

SELECTED AWARDS, HONORS, OR GRANTS

- 1985 the Prize of Moscow Mathematical Society, Moscow, Russia.
- 1989 the Prize of Academy of Science of the USSR, Moscow, Russia.
- 1990 recipient R.H. Bing award, Texas USA.
- 1998 invited talk at ICM-98, Berlin.
- 1999 invited address at Gainesville AMS meeting.
- 2001-2004 University of Florida Research Foundation Professor.
- 2009 promoted to Distinguished Professor
- 1995-2017 PI on personal NSF grants; co-PI on 3 conference grants
- 2012 Fellow of AMS
- 2018-2021 University of Florida Term Professorship Award
- 2019 Simons Foundation grant

TOTAL NUMBER OF PUBLICATIONS IN REFEREED JOURNALS: 146 publications, cited 1385 times by 439 authors (according to MathSciNet)

h-index: 29, Since 2014 h-index: 15

Corresponding i10-indexes are 86 and 23 (according to Google Scholar)

SELECTED JOURNAL PUBLICATIONS

- On the LS-category and topological complexity of a connected sum. *Proc. Amer. Math. Soc.* 147 (2019), no. 5, 2235-2244 (with R. Sadykov).

- On Gromov's conjecture for totally non-spin manifolds. *J. Topol. Anal.* 8 (2016), no. 4, 571-587 (with D. Bolotov).
- On Gromov's positive scalar curvature conjecture for duality groups. *J. Topol. Anal.* 6 (2014), no. 3, 397-419.
- Dimension of the product and classical formulae of dimension theory (with M. Levin), *Trans. Amer. Math. Soc.* 366 (2014), no. 5, 2683-2697.
- On macroscopic dimension of rationally essential manifolds *Geometry and Topology* **15** (2011) issue 2, 1107-1124.
- The Lusternik-Schnirelmann category and the fundamental group. *Algebr. Geom. Topol.* 10 (2010), no. 2, 917-924.
- Small values of the Lusternik-Schnirelman category for manifolds, (with M. Katz and Yu. Rudyak) *Geometry and Topology* **12** (2008) issue 3, 1711-1728.
- An Etale Approach to the Novikov Conjecture, (with S. Ferry and Weinberger) *Comm. Pure and Appl. Math.*, **61** (2008), no. 2, 139-155.
- Embedding of hyperbolic groups into products of binary trees. (with S. Buyalo and V. Schroeder) *Invent. Math.* **169** (2007) no 1, 153-192.
- Large Riemannian manifolds which are flexible (with S.Ferry and S. Weinberger) *Annals of Mathematics*, **157** (2003) 919-938.
- Asymptotic topology, *Russian Math. Surveys*, **55** (6) (2000), 71-116.
- On the Higson corona of uniformly contractible spaces (with J. Keesling and V.V. Uspenskij), *Topology*, **261** (37) (4) (1998), 791-803.
- On Chogoshvili's Conjecture , *Proceedings of Amer. Math. Soc.*, **125** (1997), no. 7. 2155-2160.
- K-theory of Eilenberg-MacLane spaces and cell-like mapping problem, *Trans. Amer. Math. Soc.*, **335** (1) (1993) 91-103.
- Homological dimension theory, *Russian Math. Surveys*, **43** (4) (1988), 11-63.

SELECTED BOOK CHAPTERS

- On some approximation problems in topology, *Ten Mathematical Essays on Approximation in Analysis and Topology*, Elsevier, 2005, 61-94.

THESES AND DISSERTATIONS DIRECTED

- Ashwini Amarasinghe, Ph. D. 2017
- Tulsi Srinivasan, Ph. D. 2015.
- Sergii Kutsak, Ph. D. 2013.
- Thanos Gentimis, Ph. D. 2011.
- Justin Smith, Ph. D. 2007.
- Yuri Turygin, Ph. D. 2007.
- Sergey Melikhov, Ph. D. 2005.
- Rustam Sadykov, Ph. D. 2005.
- Greg Bell, Ph. D. 2002.

EDITOR IN JOURNALS

- Proceedings of AMS, 2004- 2012.
- Algebraic and Geometric Topology, since 2001.
- Topology Appl., since 2003.
- Fund. Math., since 2004.
- Topology and Analysis, since 2009.