

CURRICULUM VITAE

Nicolai Vladimirovich Krylov

Date of birth: June 5, 1941

Education:

Dr. Scie., 1973, Moscow State University (Mathematics)
Ph.D., 1966, Moscow State University
Diplom, 1963, Moscow State University

Positions:

2021-present Professor Emeritus of Mathematics, University of Minnesota
2017-2021 Professor of Mathematics, University of Minnesota
1993–2017, Samuel G. Ordway Professor of Mathematics, University of Minnesota
1990–1993, Full Professor, University of Minnesota
1983–1990, Full Professor, Moscow State University
1966–1983, Associate and Assistant Professor, Moscow State University

Invited Addresses:

International Congress of Mathematicians, 1978, Helsinki
International Congress of Mathematicians, 1986, Berkeley
Mathfest, Burlington, Vermont Aug 6–8, 1995

Member of Organizing Committees:

Riviere-Fabes Symposiums 1998-1999, 2001-2021 (Minneapolis)
Session Kolmogorov equations of the First AMS-UMI meeting in Pisa, June 12-16 (June 15 2002)
Midwest PDE Seminar, November 2003 (Minneapolis)

INVITED LECTURES

1. University of Southern California, Los-Angeles, March 2, 1991 and Sept 11, 1991.
2. School in SPDE's at the University of North Carolina at Charlotte, May 3, 4 and 5, 1991.
3. Cornell University, Nov 4 and 5, 1991.
4. Northwestern University, Feb 13, 1992.
5. 5 lectures at the Fourth Workshop on Stochastic Analysis, Oslo, July 3-12, 1992.
6. Centre for Mathematics and its Applications, Canberra, Aug 21, Sept 7, 1992.
7. University of Melbourne, Sept 3, 1992.
8. Iowa State University, Nov 19, 1992.
9. University of Texas at Austin, Febr 1, 3, 5, 1993.
10. Zygmund Memorial Lectures, University of Chicago, March 12, 15, 16, 1993.
11. Rudolph-Lipschitz-Lectures, Institute for Applied Mathematics, Bonn, 16×45 min lectures in June-July 1993.
12. University of Heidelberg, July 13, 1993.
13. Mathematical Institute of Bonn, Bonn, July 16, 1993.
14. University of Duisburg, Sept 8, 1993.
15. Department of Mathematics, The University of North Carolina at Charlotte, Nov 30, 1993 (colloquium).
16. Courant Institute, Dec 1, 1993.
17. Department of Statistics, Columbia University, Dec 2, 93.
18. Colloquium at Wayne State University, Detroit, March 28, 1994.
19. Lectures at Seminari de Probabilitats, Universitat de Barselona, July 5 and 7, 1994

20. Three lectures in Dipartimento di Matematica del Politecnico di Milano, July 18, 19, and 20, 1994.
21. Dept. de Math., Université du Mans (France), Sept 28, 1994.
22. Three lectures at Séminaire de Probabilités, Université de Strasbourg, Sept 20, 23, Oct 7, 1994.
23. Laboratoire de Probabilités, Université Paris 6, Oct 4, 1994.
24. Dept. of Math., Wayne State University, Detroit, Nov 30, 1994.
25. Dept. of Statistics and Probability, Michigan State University, East Lansing, Nov 30, 1994.
26. Scuola Matematica Interuniversitaria, Cortona, Italy, August 13–26, 1995, 12×60 min lectures.
27. Wayne State University, Detroit, Sept 20, 1995.
28. University of British Columbia, Vancouver, Jan 15, 22, and 29, 1996.
29. Dept of Math University of Parma (Italy), two lectures June 3 and June 5, 1996.
30. Lezioni Leonardesche, Dept of Math. Università degli Studi di Milano and Dept of Math Politecnico di Milano, June 6, 1996.
31. School of Mathematical Sciences, Tel Aviv University, Dec 18, 96.
32. Probability Seminar at Technion, Israel, Dec 24, 96.
33. Stochastic Analysis Seminar, University of Illinois at Urbana Champaign, Feb 25, 97.
34. Colloquium-seminar at the University of North Carolina at Charlotte, April 11, 97.
35. Scuola Normale Superiore di Pisa, 4 talks, Jan 23 (two), 26, and 27, 1998.
36. Wayne State University, March 13, 1998.
37. Michigan State University (East Lansing), March 17, 1998.
38. University of North Carolina at Chapel Hill, March 24, 1998.
39. CIME course on Kolmogorov's equations, Lamenzia Terme, Italy, August 24–Sept 1, 98, 8x60min lectures.
40. Kyushu Probability Summer School “Partial Differential equations and probabilities”, Sept 7–10, 1998 at Soft Research Park, Momochihama, Fukuoka; 3x90min lectures.
41. Universität der Bundeswehr München, Jan 8, 1999.
42. Probability seminar at the University of Utah, Feb 19, 1999.
43. Probability seminar at the University of North Carolina at Charlotte, March 24, 1999.
44. Problems of Hydrodynamics seminar, Heriot-Watt University, Edinburgh, June 23, 1999.
45. North British Probability seminar, University of Edinburgh, June 25, 1999.
46. Probability seminar, University of Bielefeld, Aug 16, 23, 25, 1999.
47. Probability seminar, Courant Institute, March 10, 2000.
48. Probability seminar, University of North Carolina at Chapel Hill, April 19, 2000.
49. Probability seminar, University of Maryland at College Park, May 4, 2000.
50. Company Siemens, Munich, Germany, Jan 15, 2001.
51. PDE seminar, University of North Carolina at Charlotte, March 26, 2001.
52. London analysis seminar, University College-Imperial College, June 21, 2001.
53. Wayne State University, Detroit, colloquium, Feb 18, 2002.
54. Purdue University, West Lafayette, colloquium, Feb 19, 2002.
55. University of Bielefeld (Germany), May 16, 2002.
56. Ennio De Giorgi Colloquium, Scuola Normale Superiore di Pisa, June 27, 2002
57. BiBoS-AG Stochastische Analysis seminar, Department of Math., University of Bielefeld (Germany), April 23, 2003.
58. Berliner Kolloquium Wahrscheinlichkeitstheorie, Humboldt Universität zu Berlin (Germany), May 7, 2003.
59. Colloquium at Wayne State University, Detroit, January 26, 2004.
60. Centro di Ricerca Matematica Ennio De Giorgi, Matematica nelle Scienze Naturali e Sociali, May 25, June 3, 10, 2004.
61. Colloquium at the Dept of Math, University of North Carolina at Charlotte, August 27, 2004.
62. Probability seminar at the University of British Columbia, Vancouver, Jan 19 and 26, 2005
63. Math. Dept. of the University of Alberta, EFF distinguished visitor lectures, Feb 15, 17, 2005.
64. Special probability seminar at Wayne State University, Detroit, April 15, 2005.
65. Numerical Analysis seminar at the Institut für Angewandte Mathematik, Universität Heidelberg (Germany), May 12, 2005.

66. Statistics seminar at the Institut für Angewandte Mathematik, Universität Heidelberg (Germany), May 19, 2005.
67. Probability seminar at the University of Utah, Salt Lake City, Jan 11, 2006
68. Joint PDE/Numerical Analysis seminar at the University of Utah, Salt Lake City, Jan 11, 2006
69. Colloquium at the Department of Mathematics, Wayne State University, Detroit, April 16, 2007.
70. Analysis seminar, Department of Mathematics, Michigan State University at East Lansing, April 18, 2007.
71. Mittag-Leffler Seminar, Mittag-Leffler Institute, Stockholm, Sweden, Three lectures: October 16, 23, 30, 2007.
72. Colloquium at the Mathematical Department, Royal Institute of Technology (KTH), Stockholm, Sweden, October 24, 2007.
73. Applied Analysis and Mechanics Seminar, Mathematical Institute, Oxford University, England, November 5, 2007.
74. The Maxwell Institute's Centre for Analysis and Nonlinear PDEs, Edinburgh, England, two talks on November 12, 2007.
75. The probability and statistics seminar, University of Utah, Salt Lake City, January 16, 2009.
76. Colloquium at Dept of Math, Wayne State University, Detroit, March 2, 2009.
77. Probability and Statistics Seminar at Dept of Math, Wayne State University, Detroit, March 4, 2009.
78. PDE seminar at the University of Michigan at Ann Arbor, March 5, 2009.
79. Probability seminar at the St. Petersburg Division of the Steklov mathematical Institute (PDMI), St. Petersburg, Russia, April 24, 2009, 2 hours.
80. Partial differential equations seminar at the St. Petersburg Division of the Steklov mathematical Institute (PDMI), St. Petersburg, Russia, April 27, 2009, 2 hours.
81. 2 hour lecture in the Probability seminar at the Institute for information transmission problems of the Russian Academy of Sciences, Moscow, Russia, May 5, 2009.
82. Distinguished Maxwell Visitor Lecture Series, Centre for Analysis and Nonlinear PDEs, University of Edinburgh, England, May 14, 21, June 2, 3, 2009.
83. Colloquium talk at the Newton Institute Correspondents Meeting, Cambridge, England, June 8, 2010
84. Probability and Statistics Seminar at the University of Manchester, June 10, 2010.
85. 2 hour lecture in the Seminar in Analysis, School of Mathematical Sciences, Tel Aviv University, Jan 11, 2011.
86. Probability and Statistics Seminar at Columbia University, March 25, 2011.
87. 2 hour lecture in the Probability seminar at the Institute for information transmission problems of the Russian Academy of Sciences, Moscow, Russia, May 31, 2011.
88. Colloquium at Mathematical Department at Rutgers, New Brunswick, Sept 30, 2011.
89. 4 lectures as a Maxwell Institute Distinguished Visiting Professor, Edinburgh, Oct 27, 2011.
90. Mathematical Finance and Stochastic Analysis Seminar, University of York, UK, Oct 31, Nov. 3, 10, 11, 2011.
91. 8 70-minutes lectures at the 2012 Second NIMS Summer School in Probability held at the National Institute for Mathematical Sciences in Daejeon, South Korea, from June 18 to 29, 2012.
92. 6 45-min lectures in the Chebyshev Laboratory, St Petersburg University, Russia, June 29-July 7, 2012.
93. The Institute for Computational and Experimental Research in Mathematics, An NSF Mathematical Sciences Institute at Brown University, Providence, Nov. 7, 2012.
94. Division of Applied Mathematics, Brown University, Providence, Nov. 8, 2012.
95. The Chancellor's Distinguished Visitors Program and the Department of Mathematics, University of Missouri, March 21, 22, 2013.
96. Analysis seminar, Department of Mathematics Tel-Aviv University, Jan. 13, 2015.
97. Evolution equations seminar, Center of Mathematical Sciences and Applications, Harvard University, Nov. 12 and Nov. 19, 2015.
98. Probability seminar, Department of Mathematics, University of Colorado Boulder, Jan. 14, 2016.
99. Colloquium, Department of Mathematics, Iowa State University, March 8, 2016.
100. Institute Henri Poincaré, Stochastic Problems in Mathematical Physics Seminar, March 14, 2016.
101. Tel Aviv University, Analysis Seminar, March 22, 2016.
102. University of Edinburgh, School of Mathematics, NBPS & Maxwell Seminar, April 21, 2016.

103. Brown University, Division of Applied Mathematics, LaSalle Memorial Lecturship, April 13, 2017.
104. Colloquium at the Mathematics Department at Wayne State University, Detroit, April 24, 2017.
105. Analysis Seminar, Mathematical department, Tel-Aviv University, Tel-Aviv, Israel, May 22, 2018.
106. Three two-hour lectures at Higher School of Economics, National Research University, Moscow, Russia, June 7, 14, 28 2019.
107. Probability seminar, University of Maryland, Oct. 23, 2019.
108. Analysis Seminar, Laval University, Québec, Canada, April 16, 2021 (zoom).
109. PDE seminar, Brown University, Providence, RI, October 29, 2021 (zoom).
110. General seminar of probability department of Mech. Mat. Faculty of the Moscow state University, November 3, 2021 (zoom).
111. The Virtual Analysis and PDE Seminar, (<https://sites.uci.edu/pdeonlineseminar/>), Feb 10, 2022 (zoom).
112. Asia-Pacific Analysis and PDE Seminar, zoom, Sept 11 (12 Canberra day) 2022 (zoom).
113. Seminar on non-local operators, probability and singularities (Kinzebulatov), May 23, 2023 (zoom).
114. Colloquium Math Dept., Laval University, Québec City, Canada, Sept 21, 2023.
115. Colloque des sciences mathématiques du Québec, CSMQ, Montreal, Canada, Sept 29, 2023.

TALKS AT MEETINGS

1. US-French Workshop on Applied Stochastic Analysis at Rutgers University, May 1, 1991.
2. Conference on SPDE at the University of North Carolina at Charlotte, May 7, 1991.
3. Steven Orey Memorial Symposium, Univ. of Minnesota, Oct 5, 1991.
4. Colloque: Equation aux Derivees Partielles Stochastiques, Marseille-Luminy, Apr 15, 1992.
5. Period of Concentration at the University of Rochester (NY), July 17, 1992.
6. Nonlinear PDE Day, Stanford University, Aug 5, 1992.
7. Miniconference on Elliptic Equations, Canberra, Aug 21, 1992.
8. 32-nd Midwest PDE Seminar, Purdue University, Sept 26, 1992.
9. Period of Concentration: Stochastic Problems for nonlinear partial differential equations, IMA Workshop (Minneapolis), March 22, 1994.
10. 4-th Lukacs symposium on Infinite Dimensional Randomly Perturbed Dynamical Systems, Bowling Green State Univ., Ohio, March 26, 1994.
11. Bernoulli Congress at Chapel Hill, North Carolina, June 22, 1994.
12. Conference on Diffusion Theory and Analysis, Northwestern University, Evanston, June 28, 1994.
13. Minisymposium: Current Trends in Stochastic Partial Differential Equations, San Diego (Ca), July 29, 1994.
14. Warwick Symposium on Stochastic Analysis and related Topics, 1994–1995, talks on June 20, 22, 27 and 29, 1995.
15. First California Winter Workshop/School. Stochastic Partial Differential Equations, Theory and Applications, USC Los Angeles, Jan 3–7, 1996, 4 lectures.
16. Midwest PDE Meeting, University of Wisconsin–Milwaukee, April 13–14, 1996.
17. Real Analysis and PDEs (Twenty years of E. Fabes in Cortona), Cortona, May 31, 1996.
18. Some Problems of Stochastic Analysis, Michigan State University, East Lansing, October 17–19, 1996.
19. Instructional Conference on SPDE, Edinburgh, April 1–11, 97, 4 lectures.
20. Oct 20, 97, Conference in memory of E. De Giorgi, Scuola Normale Superiore, Pisa, Oct 20–23, 97.
21. Aug 4, 98, Recent trends and advances in PDEs and numerical PDEs, Conference in honor of O. Ladyzhenskaya, Dept of Math., Iowa State Univ., Ames, Aug 2-5, 1998.
22. Sept 12, 98, Kyushu Probability Special Seminar “Stochastic processes and related problems”, Sept 11-12, 1998 at Kokusai Hall, Kyushu University, Fukuoka.
23. Sept 21, 98, Workshop on Nonlinear Partial Differential Equations, Sept 21-22, 1998 at Saitama University, Tokyo.
24. July 3, 1999, L.M.S. Durham Symposium on Stochastic Analysis, June 29-July 9, 1999.
25. Aug 13, 1999, BiBoS-Workshop on Stochastic analysis and applications, University of Bonn, Aug 12-13, 1999.

26. Jan 11, 2000, Conference on “Stochastic Partial Differential Equations and Applications”, Levico Terme, Italy, Jan 10-15, 2000.
27. March 17, 2000, 20th Seminar on Stochastic Processes, University of Utah, March 16-18, 2000.
28. July 5, 2001, “Fabes lectures 2001”, Bologna, July 5-7, 2001.
29. July 10, 2001, Conference “Progress in partial differential equations”, Heriot-Watt University, Edinburgh July 9-13, 2001.
30. July 17, 18, and 31, Warwick Workshop on stochastic PDE, The University of Warwick, Math. Research Centre, July 16-27, 2001.
31. Aug 7, Conference on Partial Differential Equations, Oberwolfach Aug 5-11, 2001.
32. Sept 29, The 48th Midwest PDE Seminar, the University of Wisconsin-Madison, Sept 29-30, 2001.
33. Jan 11, Conference on Stochastic Partial Differential Equations, Levico Terme (Trento), Jan 6-12, 2002
34. June 21, Conference Stochastic inequalities and their applications, Centre de recerca matemàtica, June 17-21, 2002, Bellaterra, Spain
35. April 9, Conference Research Network on interacting stochastic systems (Closing event), April 7-11, 2003, Technische Universität Berlin, Germany.
36. May 30, Asymptotic Problems in Stochastic Processes and PDE’s, A conference celebrating the 65th birthday of Mark I. Freidlin, May 29-31, 2003 University of Maryland, College Park, Maryland.
37. Sept 28, BIRS Workshop: Stochastic Partial Differential Equations, 27/9/2003-2/10/2003, Banff Center, Banff, Canada.
38. Jan 7, Conference on Stochastic Partial Differential Equations, Levico Terme (Trento), Jan 4-10, 2004
39. May 10, Stochastic processes and Analysis, Conference to honor E.B. Dynkin, Cornell (NY), May 9-10, 2004.
40. June 19, AIMS’ fifth international conference “Dynamical Systems and Differential Equations”, California State Polytechnical University, Pomona, June 16-19, 2004.
41. July 1, The Fourth World Congress of Nonlinear Analysts, Orlando, Florida, June 30-July 7, 2004.
42. May 25, 26, Summer School on Fully Nonlinear Partial Differential Equations and Applications (May 23-June 3, 2005), Center for Mathematical Sciences in Hangzhou, China.
43. June 6, Workshop on Fully Nonlinear Partial Differential Equations and Applications (June 6-June 9, 2005), Center for Mathematical Sciences in Hangzhou, China.
44. June 15, 16, 18, Conference “Random media and stochastic partial differential equations”, June 14-18, 2005 at the University of Southern California.
45. August 6, Conference “New Directions in Probability Theory 2005”, August 5-6, 2005, IMA, University of Minnesota, Minneapolis, MN.
46. August 16, 17, 18, Introductory Workshop in Nonlinear Elliptic Equations and Its Applications, MSRI, August 15-19, 2005, Berkeley, CA.
47. February 10, Columbia-Princeton Probability Day at Columbia University, 2006, New York.
48. March 25, NSF FRG Conference: Interactions between Harmonic Analysis and Partial Differential Equations, March 24-25, 2006, University of Missouri-Columbia.
49. June 21 and 22 (two two-hour talks), The Series of Conferences on Stochastic Analysis, Stochastic PDEs and Applications to Fluid Dynamics and Particle Systems, Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore di Pisa (Italy), March-July 2006.
50. July 11, The second International Workshop on Variational Analysis and Partial Differential Equations, this one in memory of S. Campanato, held at the International Center for Scientific Culture “E. Majorana”, International School of Mathematics “G. Stampacchia”, Erice, Sicily (Italy), 5-14 July 2006.
51. Sept 11 and 13 (two two-hour talks), “Four mini courses on fine properties of solutions of PDEs”, September 11-14, 2006, Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore di Pisa, Pisa (Italy).
52. Sept 16, “Asymptotic Analysis in Stochastic Processes, Nonparametric Estimation, and Related Problems”, A conference in honor of R. Khasminskii, Wayne State University, Detroit, Sept 15-17, 2006.
53. April 24, The conference “Stochastic partial differential equations”, April 22-25, 2007, Cornell University, Ithaca.
54. May 12, Mini-conference on Stochastic Analysis, Division of Applied Mathematics, Brown University, Providence, May 12, 2007.
55. June 21, International Conference “Skorokhod space, 50 years on”, Kyiv, Ukraine, June 17-23, 2007.

56. July 19, 23, 25, Madeira Math Encounters XXXIII, CCM-Centro de Ciencias Matematicas, Universidade da Madeira, Campus da Penteadá, Funchal, Madeira, Portugal, July-October 2007.
57. August 7, 32nd Conference, Stochastic Processes and their Applications, University of Illinois at Urbana-Champaign August 6-10, 2007.
58. November 17, A conference in honor of Avner Friedman's 75th birthday: Differential Equations and Math. Biology, Nov 15-18, Mathematical Bioscience Institute, Ohio State University, Columbus, 2007.
59. January 9, Conference "Stochastic partial differential equations and applications-VIII", January 6-12, 2008, Levico Terme, Italy.
60. May 12, 2009, Workshop on Numerical Analysis of Stochastic PDEs, International Centre for Mathematical Sciences, May 11-12, 2009, Edinburgh, Scotland.
61. August 3, 2009, Workshop Partielle Differentialgleichungen, August 2-8, 2009, Obewolfach, Germany.
62. June 4, 2010, Workshop on Stochastic Partial Differential Equations, The University of York (England), May 31- June 4, 2010.
63. June 14, 2010, Workshop on Filtering, Isaac Newton Institute, 14-15 June, Cambridge, England.
64. August 30, 2010, International Conference on "Geometric and Nonlinear Partial Differential Equations", Mission Beach, Queensland, Australia, August 30th – September 3rd, 2010.
65. October 14, 2010, International Conference on Evolution Equations in honor of the 60th birthdays of Wolfgang Arendt, Jan Prüss, and Lutz Weis, Schmittén, Germany, October 11–15, 2010.
66. October 14, 2010, Evolution equations–Randomness and Applications, Bad Herrenhalb, Germany, October 10-14, 2011.
67. July 10, 2012, Conference in honor of the 90th anniversary of O.A. Ladyzhenskaya, Advances in Mathematical Analysis of Partial Differential Equations, Institute Mittag-Leffler, July 9-13, 2012.
68. May 20, 2013, Stochastic Processes and PDEs, Conference in honor of Mark Freidlin's birthday, Department of Mathematics, University of Maryland, College Park, May 20 - 24
69. January 10, 2014, 9th International Meeting on SPDEs and Applications, Trento, Italy, 6-11 January 2014.
70. May 31, 2014, Progress in nonlinear partial differential equations, University of Lisbon, May 29-31, 2014.
71. June 8, 2014, The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications July 07 - July 11, 2014 Madrid, Spain, Special session on SPDE.
72. July 10, 2015, New Advances in PDE's, Inverse Problems and Control Theory, July 6-July 10, 2015, Parma, Italy.
73. Nov 6, 2015, Workshop on Deterministic and Stochastic Partial Differential Equations, November 6-8 at Brown University.
74. Apr 15, 2016, Maxwell Mini-Symposium, April 15, ICMS, Edinburgh.
75. April 26, 2016, Monash Probability Conference in Honor of Robert Liptser's 80th Birthday, 26-29 April, 2016, Monash Center Prato, Prato, Italy.
76. September 11, 2016, Conference on Stochastic Analysis in Honour of Istvan Gyöngy's 65th Birthday, September 11-12, 2016, School of Mathematics University of Edinburgh, UK.
77. October 11, 2016, Stochastic Partial Differential Equations and Related Fields, 10-14 October 2016, Faculty of Mathematics Bielefeld University, Germany.
78. October 6, 2017, "Stochastic Perturbations of Dynamical Systems", A conference in honor of Alexander Wentzell and his work, Tulane University.
79. May 10, 2018, Workshop "Stochastic control, computation methods, and application", May 7–May 11, 2018, IMA, University of Minnesota.
80. Sept 4, 2018, The 9th International Conference on Stochastic Analysis and its Applications, Sept. 3–7, 2018, University of Bielefeld, Germany.
81. June 18, 2019, The international conference "Geometry, Differential Equations and Analysis" in memory of Aleksei Vasilyevich Pogorelov for his 100th birthday anniversary Ukraine, Kharkiv, June 17 - 21, 2019.
82. Sept 27, 2019, Anniversary conference "50 Jahre Mathematik in Bielefeld - die (neue) Einheit der Mathematik", Sept. 26-27, 2019.
83. March 18, 2021, Online Conference Stochastic Processes and their Friends, Leeds, UK, March 18-19, 2021.

84. June 1, 2021, Online Conference Modern Stochastics: Theory and Application. V, June 1-4, 2021, Kyiv, Ukraine.
85. June 2, 2021, Online Conference SPDEs & friends, May 31- June 2, 2021, Berlin (TU).
86. June 10, 2021, Online Conference "Advances in Stochastics and Statistics". Lemans, France.
87. August 22, 2022, Online talk at Durham Symposium: Stochastic Dynamics, Nonlinear Probability, and Ergodicity, 22-26 August 2022. Durham University, Dept of Math Sciences.
88. October 20, 2022, The Conference "Asymptotic Problems in Probability and PDE: a Conference in Honor of Mark Freidlin", Oct 17–21, 2022, University of Maryland, College Park.
89. March 3, 2023, Stochastic analysis and its applications, Conference in honor of Aleksander Yu. Veretennikov's 70th birthday, IITP RAS, Moscow. (zoom)
90. June 9, 2023, the International Meeting "Trends in PDEs" dedicated to the 90th birthday of Vsevolod A. Solomnikov, June 9-10, 2023, St. Petersburg. (zoom)
91. June 23, 2023, PDE in Seoul 2023: Conference in honor of Professor Mikhail Safonov's 70th birthday, June 19-23, 2023.
92. June 29, 2023, 11th International Conference on Stochastic Analysis and its Applications (ICSAA), Jun 26-30, 2023, ICMS, Bayes Centre, Edinburgh.

Professional Activities

Member of Editorial Board of the journal "Potential Analysis" 1992-2006.

Member of Editorial Board of the journal "Probability Theory and Related Fields" in 1987-1992. Member of Editorial Board of the journal "The Russian Journal of Mathematical Physics" since 1987 (started in 93). Member of Editorial Board of the journal "SIAM Journal on Mathematical Analysis" in 1994-96.

Member of Editorial Board of "The journal of Applied Mathematics and Optimization" in 1997-2014.

Member of Editorial Board of the journal "Methods and Applications of Analysis" since 1999.

Member of Editorial Board of the journal "Theory of stochastic processes" since 2007.

Member of Editorial Board of the journal "Nonlinear Differential Equations and Applications" in 2008-2014.

Member of the SIAM since 1997.

Honours and Awards

NSF Grant DMS-9112597 (09/01/91-02/28/93),

NSF Grant DMS-9302516 (06/01/93-11/30/96),

NSF Grant DMS-9625483 (06/15/96-05/31/99),

NSF Grant DMS-9876586 (06/01/99-12/31/02),

NSF Grant DMS-0140405 (06/01/02-05/31/07),

NSF Grant DMS-0653121 (06/01/08-05/31/11),

NSF Grant DMS-1160569 (07/01/2012-06/30/2015)

Fellow of the American Academy of Arts and Sciences since Apr 14, 1993.

Ordway Professor since 1993.

Humboldt Research Award for Senior US Scientists, 2001.

Kolmogorov Medal, 2003.

Leroy P. Steele Prize for a Seminal Contribution to Research, 2004 (shared with L.C. Evans).

K. Itô prize awarded by the editors of the journal Stochastic Processes and their Applications, 2005.

Corresponding Fellow of the Royal Society of Edinburgh (Scotland's National Academy of Science and Letters) since 2007.

Simons Foundation award 2015-2016.

- PhD supervised :
- 1 Frid E.B. (1973)
 - 2 Veretennikov A.Yu. (1979)
 - 3 Anulova S.V. (1979)
 - 4 Miroshnichenko T.P. (1980)
 - 5 Safonov M.V. (1981)
 - 6 Gyöngy I. (1981)
 - 7 Purtukhia O.G. (1984)
 - 8 Alyushina L.A.
 - 9 Nosovsky G.V. (1988)
 - 10 Lopic S.K. (1994)
 - 11 Zatezalo A. (1998)
 - 12 Hyek Yoo (1998)
 - 13 Yi-Ju Chao (1999)
 - 14 Luis Roman (2000)
 - 15 Wonjae Chang (2001)
 - 16 Kijung Lee (2004)
 - 17 Kyeong-Hun Kim (2004)
 - 18 Doyoon Kim (2005)
 - 19 Hongjie Dong (2005)
 - 20 Jun Luo (2007)
 - 21 Teng Wang (2012)
 - 22 Wei Zhou (2012)
 - 23 Hyun-Soo Doh (2012)
 - 24 Xu Li (2013)
 - 25 Timur Yastrbzhemskiy (2020)

LIST OF PUBLICATIONS:

Abbreviations: R – in Russian, E – English translation,
 DAN – Doklady Akademii Nauk SSSR = Soviet Math. Dokl.,
 DU – Differentsialnye Uravneniya = Differential Equations,
 IAN – Izvestiya Akademii Nauk SSSR, seriya matematicheskaya = Math. USSR Izvestija,
 Litovsk. Mat. Sb. = Lithuanian Math. J.,
 MMO – Trudy Moskovskogo Matematicheskogo Obchestva = Transactions of the Moscow Math. Soc.,
 MS – Matematicheski Sbornik = Math. USSR Sbornik,
 MZ – Matem. Zametki = Math. Notes,
 TVIP – Teoriya Veroyatnostei i eye Primeneniya = Theor. Probability Appl.,
 SM – Sibirski Matematicheski Jurnal = Siberian Math. J.,
 UMN – Uspekhi Matematicheskikh Nauk = Russian Math. Surveys,
 VMGU – Vestnik Moskovskogo Gosudarstvennogo Universiteta = Moscow University Math. Bulletin.

1. *On existence of ε -optimal homogeneous Markov policies for controlled chain*, E, DAN, Vol. 5, No. 2 (1964), 497–501; R, Vol. 155, No. 4 (1964), 747–750.
2. (with A.A. Yushkevich) *On Markov random sets*, E, TVIP, Vol. 9, No. 4 (1964), 666–670; R, Vol. 9, No. 4 (1964), 738–743.
3. *Representation of coded regular events in abstract finite automata*, R, Ukrainskii Matematicheskii Zhurnal, Vol. 16, No. 3 (1964), 385–389.
4. (with A.A. Yushkevich) *Markov random sets*, E, MMO, Vol. 13 (1965), 127–151; R, Vol. 13 (1965), 114–135.
5. *Construction of an optimal strategy for a finite controlled chain*, E, TVIP, Vol. 10, (1965), 45–54; R, Vol. 10, No. 1 (1965), 51–60.
6. *A remark on estimates of solutions of parabolic differential equations*, R, VMGU, Vol. 3 (1966), 61–66.
7. *On solution of elliptic equations of second order*, R, UMN, Vol. 21, No. 2 (1966), 233–235.
8. *Some properties of a quasidiffusion process*, R, UMN, Vol. 21, No. 1 (1966), 177–179.
9. *On quasidiffusion processes*, E, TVIP, Vol. 11 (1966), 373–389; R, Vol. 11, No. 3 (1966), 424–443.

10. *On the regular boundary points for Markov processes*, E, TVIP, Vol. 11, No. 4 (1966), 609–614; R, Vol. 11, No. 4 (1966), 690–695.
11. *Quasidiffusion processes and second order elliptic differential equations*, R, Ph.D. Thesis, 1966, 65 p. (Abstract, 1966, Moscow, 9 p.)
12. *On the Green function of the Dirichlet problem*, R, UMN, Vol. 22, No. 2 (1967), 116–118.
13. *On the first boundary value problem for second order elliptic equations*, E, DU, Vol. 3, (1967), 158–164; R, Vol. 3, No. 2 (1967), 315–326.
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