

CURRICULUM VITAE

March 2019

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Hirsch-index: 13 (from February 2018)

Sex: Male

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Date and place of birth: 23 May 1957, Kyiv, USSR

Actual nationality: Ukraine

Married to Mariia Rozhkova, 1982

AWARDS

- Badge “For scientific and educational achievements” from Ministry of Education and Science of Ukraine, order 166-K, 25.04.2018.
- The best lecturer of Faculty of Mechanics and Mathematics in 2017/2018 academic year.
- Gratitude from the rector of Taras Shevchenko National University of Kyiv for especially outstanding services for the university, December 2014.
- Gratitude from the rector of Taras Shevchenko National University of Kyiv for success in educational, scientific, and pedagogical work, May 2012.
- Memorable medal in the name of M.M. Bogolubov “For high level of scientific results in mathematical science”, Kyiv, August 2009.
- A title *Honours Official of Education of Ukraine*, given by the Ministry of Science and Education of Ukraine, order 1119-k, certificate N 85742, October 2008.
- Gratitude from the rector of Taras Shevchenko National University of Kyiv for success in educational, scientific, and pedagogical work, December 2009.
- Gratitude from the rector of Taras Shevchenko National University of Kyiv for conscientious work at the University, May 2007.
- Taras Shevchenko Award for a cycle of papers on errors-in-variables regression models, according to decision of Research Council from 06.02.2006, order of rector of Taras Shevchenko National University of Kyiv N 123-23 from 27.02.2006.

- Elected member of the International Statistical Institute, 2004-2017.
- Gratitude from the President of Ukraine Leonid Kuchma for the contribution to development of national education, November 2004.
- A nominee of *Marquis Who's Who in the World*, starting from the 11th edition, 1993-1994.

DEGREES

- Professor (equivalent to Full Professor), 2002, Ministry of Education and Science, Kyiv, Ukraine.
- Docent (equivalent to Associate Professor), 1995, Kyiv National University.
- Doctor of Science in Probability Theory and Mathematical Statistics, 1995, Institute of Mathematics of National Academy of Sciences, Kyiv.
- Candidate of Science (Ph.D.) in Probability Theory and Mathematical Statistics, 1982, Kyiv National University.
- MS in Mathematics, with honor, 1979, Kyiv National University.

KNOWLEDGE OF LANGUAGES

English (fluent), Russian, and Ukrainian.

ACADEMIC EXPERIENCE

- 1998-Present: Taras Shevchenko National University of Kyiv, Faculty of Mechanics and Mathematics, Full Professor.
- 2016-Present: Taras Shevchenko National University of Kyiv, Faculty of Mechanics and Mathematics, senior researcher (pluralized work).
- 2001-2013, 2017-Present: National Aviation University, Kyiv, Ukraine, senior researcher (pluralized work).
- 2006-Present: Institute of Radiation Medicine of Medical Academy of Sciences of Ukraine, senior researcher (pluralized work).
- 2011 (November): Faculty of Business and Economics, K.U.Leuven, Belgium, Visiting Fellow (pluralized work).
- 2010 (March and November): Faculty of Business and Economics, K.U.Leuven, Belgium, Visiting Fellow (pluralized work).
- 2009 (April-May): Faculty of Business and Economics, K.U.Leuven, Belgium, Visiting Fellow (pluralized work).
- 2008 (15th of July till 15th of August): Faculty of Business and Economics, K.U.Leuven, Belgium, Visiting Fellow (pluralized work).

-2004 (June-August) and 2005 (February-August and November-December): Department of Applied Economics, K.U.Leuven, Belgium (full-time senior postdoctoral fellowship from the Academic Authorities of the Katholieke Universiteit Leuven).

-2002 (June-August), and 2001 (March-August): Department of Electronic Engineering, K.U.Leuven, Belgium (pluralized work, postdoctoral research fellowship).

-2000 (June-December): University of Munich, Institute of Statistics (Munich, Germany). Assistant Professor (pluralized work, SFB 386).

-1998-1999: Academy of Foreign Trade (Kyiv, Ukraine). Full Professor (pluralized work).

-1993-1998: National University, Mechanical and Mathematical Department (Kyiv). Associate Professor.

-1987-1993: National University, Mechanical and Mathematical Department (Kyiv). Assistant Professor.

-1979-1987: National University, Mechanical and Mathematical Department (Kyiv, Ukraine). Researcher, Senior Researcher.

-1974-1979: National University, Mechanical and Mathematical Department (Kyiv). Student.

TEACHING EXPERIENCE

Kyiv National University (1987-Present)

Obligatory course developed and taught:

-Statistics and Econometrics I.

-Calculus 1 and 2.

-Theory of measure and of integral.

-Functional analysis and integral equations.

-Statistical methods in non-life insurance (CT6) – lectures for actuarial students.

-Probability Theory (practical lessons).

Special course developed and taught:

-Errors-in-variables regression models.

-Nonparametric statistics.

-Theory of optimal strategies in European and American options.

-Spline functions in statistics.

-Stochastic calculus in vector spaces.

- Gaussian measures in Hilbert space.
- Compact sets in spaces of sequences.
- Popular mathematics.

Preparation of the team of Sumy Oblast for All-Ukrainian mathematical Olympiad

(February 2011)

Academy of Foreign Trade, Kyiv (1998-1999)

Developed and taught an obligatory course on higher mathematics.

Lyceum of Natural Sciences No. 145, Kyiv (1992-1995)

Developed and taught special course on popular mathematics.

City of Visaginas, Lithuania (1995)

Developed and taught a course on combinatory, probability theory, and statistics for school teachers.

SUPERVISION EXPERIENCE

-Supervised 11 PhD theses: Anna Borovitskaya (2005), Yury Chernikov and Mariya Polekha (2008), Olena Gontar, Sergiy Shklyar, and Andrii Malenko (2009), Olena Usoltseva (2011), Galyna Repetatska (2012), Andriy Savchenko (2015), Yaroslav Tsaregorodtsev (2018) and jointly with Prof. Dmitrii Silvestrov, Sweden, co-supervised Henrik Jönsson (2005, Mälardalen University, Västeros, Sweden).

-Supervised PhD theses of Yaroslav Tsaregorodtsev (studied in 2014-) and Oksana Chernova (studied in 2016-).

-Supervised the work of Mykhailo Pupashenko who got in 2007 a stipendium “Tomorrow. UA – Viktor Pinchuk Foundation”. In 2009 he got a grant from American mathematician Tsap for the best student’s scientific work.

- Supervised the work of Cyril Chimisov, a student of the 5th grade. In 2014 he shared the 1st place at the competition of students’ scientific works dedicated to Academician A.V. Skorokhod.

-Supervised the work of Irina Sivak, a student of the 4th grade. In 2013 she got the 3rd place at the competition of students’ scientific works dedicated to Academician A.V. Skorokhod.

-Supervised the work of Oleksandr Dashkov, a student of the 5th grade. In 2017 he got a grant from American mathematician Tsap for the best student’s scientific work.

-15 Master theses.

-15 Bachelor theses.

PROJECTS AND GRANTS FUNDED BY INTERNATIONAL FUNDS

- Senior research fellowship in Research Centre AFI, Section Insurance at the K.U.Leuven, Belgium on the G.O.A. Project 2007/01: ZKB5486-PS-AP, for 1 month in August-September 2012.
- Grant from the Institute of Applied Mathematics and Computational Science of Texas A&M University for two weeks of stay in March – April 2012.
- Senior research fellowship in Research Centre AFI, Section Insurance at the K.U.Leuven, Belgium on the G.O.A. Project 2007/01: ZKB5486-PS-AP, for 1 month in November 2011.
- Grant from the authorities of the University of Debrecen, Hungary, for two weeks of stay in January – February 2011.
- Senior research fellowship in Research Centre AFI, Section Insurance at the K.U.Leuven, Belgium on the G.O.A. Project 2007/01: ZKB5486-PS-AP, for 2 months in March and November 2010.
- Senior research fellowship in Research Centre AFI, Section Insurance at the K.U.Leuven, Belgium on the G.O.A. Project 2007/01: ZKB5486-PS-AP, for 2 months in April-May 2009.
- Senior research fellowship in Research Centre AFI, Section Insurance at the K.U.Leuven, Belgium on the G.O.A. Project 2007/01: ZKB5486-PS-AP, for a month in July – August 2008.
- Grant from the authorities of the University of Debrecen, Hungary, for two weeks of stay in January – February 2008.
- The Swedish Institute grant SI-01424/2007 for 3 years from 2007 till 2010: research in Statistical Learning Theory.
- Grant from EU TEMPUS Project IB_JEP-25054-2004 for 14 days of stay in Mälardalen University, Västerås, Sweden, in November - December 2007.
- Grant from Department of Applied Economics of K.U.Leuven, for a month stay in Leuven, Belgium in August 2006.
- Grant from SFB 386 for two weeks stay in Munich in May 2006.
- Grant from EU TEMPUS Project IB_JEP-25054-2004 for 10 days of stay in Mälardalen University, Västerås, Sweden, in November 2006.
- Grant from SFB 386 for two weeks stay in Munich in November 2005.
- Grant from SFB 386 for two weeks stay in Munich in May 2005.
- Grant from Indian Institute of Technology, Kanpur, for two weeks stay in January 2005.
- Grant from SFB 386 for one-week stay in Munich in June 2004.
- Grant from the Royal Swedish Academy of Sciences, project *Nonlinear Stochastic Dynamical*

Models of Pricing Processes, during 2 weeks in May 2004.

-Grant from the University of Debrecen, Hungary, during 3 weeks in January-February 2004.

-Grant from EU TEMPUS Project NP-22012-2001 "Statistical Aspects of Economics" (visited Mälardalen University, Västerås, Sweden during 3 weeks in January-February 2003).

- Visiting Professorship in Katholieke Universiteit of Leuven, Belgium, Department of Applied Economics and Department of Mathematics (November 2002, research in applied statistics).

- Postdoctoral research fellowship of the Belgian office for Scientific, Technical and Cultural Affairs, promoting Scientific and Technical Collaboration with Central and Eastern Europe (1 year, 2001-2002, research in applied statistics).

-Grant from INTAS, Project 2000, N16, Mathematics (2 years, 2001-2002, research in random fields and financial mathematics).

-Grant from the National Science Council of Taiwan, Republic of China (3 weeks in 2001, research in measurement error models).

-Grants from EU TEMPUS-Tacis Programme "Statistical Aspects of Economics" (JEP-10353-97) (5 times visited Sweden in 1998-2000, during 2-3 weeks each time).

-Grant N179 - 1995 of Hungarian Ministry of Culture and Education. Lajos Kossuth University, Debrecen, Hungary (4 months during 1998-2000, research in mathematical statistics and geostatistics).

-Grant of DFG (Deutsche Forschungsgemeinschaft) N436 UKR 17/10/96, Hamburg University (1996, 2 months, research in statistical errors-in-variables models).

-Grant of DFG (Deutsche Forschungsgemeinschaft) N436 UKR 17/29/96, Hamburg University (1997-1998, 4 months, research in statistical errors-in-variables models and in actuarial mathematics).

-Grant of Hungarian Ministry of Culture and Education (Visiting Professorship in Hungary) Lajos Kossuth University Debrecen, Hungary (March 1998, research in geostatistics).

-Grant as Soros Associate Professor, Grant No. APUO 71051 from International Soros Science Education Program, 1997.

INDUSTRIAL RESEARCH PROJECTS

-Participation in 3 industrial research projects at Statistical Research Centre in Kyiv National University (1984-1990; elaboration of algorithms and programs for statistical processing of

trajectory information; results are presented in 3 papers).

-Participation in 2 industrial research projects at National Aviation University, Kyiv

(1990- 1999; elaboration of statistical methods and algorithms for dispatcher service in aviation; results are presented in 7 papers).

-Participation in joint industrial research project at Kyiv National University and the Plant “Arsenal” (1981, results are presented in 1 Author’s License and 2 papers).

FURTHER PROFESSIONAL EXPERIENCE

-National Center of Radiation Medicine, Research Council, October 2016: talk about new risk analysis of results of Ukrainian-American cohort study.

-Taras Shevchenko National University of Kyiv, Faculty of Mechanics & Mathematics, March 2016: lecture about the game *solitaire* in the framework of *Small Mech-Math*.

-Journal *Creative Space*, Kyiv, February 2016: chess lecture about Fischer.

-K.U.Leuven, Faculty of Economics, Leuven, Belgium, August 2012: lecture at the seminar on Actuarial Mathematics of Prof. Jan Dhaene.

-Institute of Mathematics of National Academy of Science of Ukraine, April 2012: lecture at the seminar on Mathematics and Life Science of Dr. A. Antonyuk.

-Texas A&M University, Department of Mathematics, April 2012: lecture at the seminar on inverse problems of Prof. P. Kuchment.

-Taras Shevchenko National University of Kyiv, February 2012: lecture at the seminar on asymptotic methods in Mathematical Physics of Prof. V/ Samoilenko and Prof. T. Melnik.

-University of Bamberg, Germany, November 2011: lecture at the seminar of Prof. Krieger.

-University of Debrecen, Hungary, February 2011: lecture at the seminar on Probability Theory.

-Institute of Control Problems, Moscow, December 2010: lecture at the seminar of Dr. Markovich.

-Moscow State University, December 2010: lecture at the seminar of Prof. Shiryayev.

-Scientific Technical University of Ukraine “KPI”, Kyiv, October 2010: lecture at the seminar of Prof. Buldygin.

-Université catholique de Louvain, the city Louvain-la-Neuve, Belgium, March 2010: lecture at the seminar of Prof. Legrand at the Institute of Statistics.

-University of Munich, 2009, May: lecture at the seminar of Prof. Schneeweiss at the Institute of Statistics.

-University of Debrecen, Hungary, January 2008: lecture at the seminar on Probability Theory.

-Mälardalen University, Västerås, Sweden, December 2007: lecture at the seminar of Professor

Silvestrov.

- Taras Shevchenko National University of Kyiv, February 2007: lecture at the seminar at the board of Theoretical Mechanics.
- University of Munich, May 2006: lecture at the seminar of Prof. Schneeweiss at the Institute of Statistics.
- Lund University, Sweden, 2005, December: lecture at the seminar at Centre for Mathematical Science, Board of Mathematical Statistics.
- University of Munich, 2005, November: lecture at the seminar of Prof. Schneeweiss at the Institute of Statistics.
- University of Munich, 2005, May: 2 lectures at the seminar of Prof. Schneeweiss at the Institute of Statistics.
- Katholieke Universiteit of Leuven, Belgium, 2005. February: 2 lectures at the seminar of Statistics at the University Center for Statistics and 1 lecture at the seminar on Financial Mathematics at the Department of Mathematics. April: a lecture at the seminar at the Electrical Engineering Department.
- Indian Institute of Technology, Kanpur, 2005, January: 3 lectures at the seminar at the Department of Mathematics and Statistics.
- Odessa National University, 2004, October: lecture at the seminar at the Department of Calculus.
- The Ohio State University, Columbus, USA, 2004, July: lecture at the seminar of Prof. Cressie at the Department of Statistics.
- University of Pittsburgh, USA, 2004, July: lecture at the seminar of Prof. Gleser at the Department of Statistics.
- Catholic University of Leuven, Belgium, 2004, June: lecture at the seminar of Prof. Van Huffel at the Department of Electronic Engineering.
- University of Munich, 2004, June: lecture at the seminar of Prof. Schneeweiss at the Institute of Statistics.
- University of Uppsala, Sweden, 2004, May: lecture at the seminar of Professor Gut at the Mathematical Department.
- Institute of Cybernetics of Ukrainian Academy of Sciences, Kyiv, 2004, April: lecture at the seminar of Prof. Knopov.
- Kyiv Technical University, 2004, March: lecture at the seminar of Prof. Buldygin and Prof. Kozachenko.
- Institute of Mathematics of Ukrainian Academy of Sciences, Kyiv, 2004, March: lecture at the seminar of Academician Berezanskii.
- University of Uppsala, Sweden, 2003, January: lecture at the seminar of Professor Gut at the

Mathematical Department and at the seminar of Professor Söderström at the Department of Information Technology, Systems and Control.

-Mälardalen University, Västerås, Sweden, 2003, January: lecture at the seminar of Professor Silvestrov.

-Katholieke Universiteit of Leuven, Belgium, 2002, November: lecture at the joint seminar of the actuarial and statistical groups.

-University of Munich, Institute of Statistics, 2002, February: lecture at the seminar of Professor Schneeweiss.

-University of Tainan, Taiwan, 2001, June: lecture.

-University of Hsinchu, Taiwan, 2001, June: lecture.

-Institute of Statistical Science of Academia Sinica, Taiwan, 2001, June: lecture.

-Technical University of Munich, 2000, December: lecture at the seminar of Professor Klüppelberg.

-Mälardalen University, Västerås, 2000, November: research visit and a lecture at the seminar of Professor Silvestrov.

-Mälardalen University, Västerås, 2000, May: research visit.

-University of Uppsala, 2000, November: lecture at the seminar of Professor Gut.

-University of Munich, Germany, 2000, March and 1999, November: 2 lectures at the seminar of Professor Schneeweiss.

-Umea University, 1999, October: research visit and 2 lectures at the seminars of Professor Belyaev and Professor Silvestrov.

-University of Pittsburgh, 1999: lecture at the seminar of Professor Gleser.

-University of Donetsk, Ukraine, 1999: lecture at the seminar of Professor Bondarev.

-Institute of Mathematics, Budapest, 1998: lecture at the seminar of Academician Tusnady.

-University Hamburg, Germany, 1998: research visit and 2 lectures at the seminar of Professor Neuhaus.

-University of Vilnius, 1995: lecture at the seminar of Professor Paulauskas.

-Institute of Mathematics, Kyiv, 1994: lecture at the seminar of Academician Skorohod.

PROFESSIONAL MEMBERSHIP

-Elected member of the International Statistical Institute, 2004-2017, see <http://www.cbs.nl/isi/ISImembers.pdf>

-European Mathematical Society, 2004-2007.

-Bernoulli Society for Probability Theory and Mathematical Statistics, 1999-2005.

-American Mathematical Society, 1995-

Member of Specialized Research Council D11.193.01 at the Institute of Applied Mathematics and Mechanics of National Academy of Sciences of Ukraine, Donetsk, 1998-2000.

-Member of Research Council of the Faculty of Mechanics and Mathematics of Taras Shevchenko National University of Kyiv, 2006-2015.

-Member of Specialized Research Council K 11.193.02 at the Institute of Applied Mathematics and Mechanics of National Academy of Sciences of Ukraine, Donetsk, 2011-2014.

-Member of Research Council of Institute of Epidemiology and Radiation Hygiene of Ukrainian Academy of Medical Sciences, 2013-

MEMBERSHIP IN EDITORIAL BOARDS OF JOURNALS

- Member of editorial board of the journal *Modern Stochastics: Theory & Applications*, 2014-

-Member of editorial board of the journal *Theory of Probability and Mathematical Statistics*, 2013-

-Member of editorial board of the journal *Insight – Statistics* (PiscoMed Publishing, Singapore), 2018-

-Member of editorial board of *Journal of Classical Analysis*, 2012-2015.

-Member of editorial board of *Journal of Creative Education*, 2010-2013.

-Member of editorial board of the journal *In the World of Mathematics*, Ukraine, 1995-2015; 2017-
Deputy Editor-in-Chief of this journal, 2007-2015.

REFEREEING AND REVIEWING

-Guest editor of a special issue on measurement error models of *Computational Statistics and Data Analysis*, 2007.

-Opponent at Doctoral defense of Pisarchuk, O.O. (2011, National Aviation Institute, Kyiv).

-Opponent at Ph.D. defenses of:

Kuznetsov, V.A. (2017, Institute of Mathematics, National Academy of Sciences of Ukraine),

Riabov, G.V. (2011, Institute of Mathematics, National Academy of Sciences of Ukraine),

Kachanova, I.O. (2011, Institute of Applied Mathematics and Mechanics, Donetsk),

Izyumtseva, O.L. (2010, Taras Shevchenko National University of Kyiv),

Ryzhov, A.Yu. (2008, Taras Shevchenko National University of Kyiv),

Rudenko, O.V. (2008, Institute of Mathematics, National Academy of Sciences of Ukraine),

Androshchuk, T.O. (2008, Taras Shevchenko National University of Kyiv),

Brayman, V.B. (2006, Institute of Mathematics, National Academy of Sciences of Ukraine),

Kichkina, N.V. (1999, Institute of Applied Mathematics and Mechanics, Donetsk),

Fu Li (1995, Taras Shevchenko National University of Kyiv).

-Reviewer of about 100 papers submitted to *International journals*: Advances in Operations Research, Annals of the Institute of Statistical Mathematics (Japan), The Annals of Statistics, Applied Stochastic Models in Business and Industry, AStA Advances in Statistical Analysis, Brazilian Journal of Probability and Statistics, Biometrics, Communications in Statistics – Simulation and Computation, Communications in Statistics – Theory and Methods, Computational Statistics (Germany), Computational Statistics and Data Analysis, Creative Education, Electronic Journal of Statistics, Journal of Computational and Applied Mathematics, Journal of Computational and Graphical Statistics, Journal of Mathematical Finance, Journal of Multivariate Analysis (USA), Journal of Statistical Planning and Inference, Journal of Statistical Research, IEEE Transactions on Signal Processing (USA), Image and Vision Computing, Insurance: Mathematics and Economics, International Journal of Control, International Journal of Mathematics and Mathematical Sciences (USA), IPSJ Transactions on Computer Vision and Applications (Japan), Journal of Creative Education, Journal of the American Statistical Association, Journal of the Royal Statistical Society (Great Britain), Journal of Theoretical Probability, Mathematical Finance, Mathematical Methods in the Applied Sciences (Germany), Metrika, Modern Stochastic: Theory and Applications, Random Operators and Stochastic Equations (The Netherlands), Risks, Revue des Annales de l’I.S.U.P. (France), Scandinavian Actuarial Journal, Scandinavian Journal of Statistics, SIAM Journal on Matrix Analysis and Applications, SIAM Journal on Optimization, Statistica Sinica (Taiwan), Statistical Inference for Stochastic Processes (France), Statistical Papers, Statistics (a journal of Theoretical and Applied Statistics, Germany), Survey Review, Technometrics, Theory of Probability and Its Applications, Quantitative Finance, and *Ukrainian journals*: In the World of Mathematics, Matematychni Studii, Mathematics at School, Theory of Probability and Mathematical Statistics, Radioelectronics and Communications Systems, Theory of Stochastic Processes, Ukrainian Mathematical Bulletin, Ukrainian Mathematical Journal.

-Reviewer of about 70 papers in the review journal *American Mathematical Review* and about 60 papers in the review journal *Zentralblatt für Mathematik*.

ORGANIZING CONFERENCES AND OLYMPIADS

-Member of Program Committee of International Conference *Stochastic Equations, Limit Theorems and Statistics of Stochastic Processes* dedicated to the 100th anniversary of I.I. Gikhman. September 17-22, 2018.

-Member of Program Committee of International Conference *Modern Stochastics: Theory and Applications. IV* dedicated to the 100th anniversary of I.I. Gikhman, Kyiv, May, 2018.

-Member of Program Committee of International Conference *Stochastic Processes in Abstract Spaces*, Kyiv, October, 2015.

-Member of Program Committee of International Conference on *Probability, Reliability and Stochastic Optimization*, Kyiv, April, 2015.

-Organizer and chair of Special Topic Session and discussant of Special Topic Session at 59th World

Statistics Congress of the ISI, Hong Kong, August, 2013.

-Member of Program Committee of International Conference *Modern Stochastics: Theory and Applications III*, Kyiv, September 2012.

-Member of Programme Committee of International Conference *Modern Stochastics: Theory and Applications II*, Kyiv, September 2010.

-Member of Scientific Committee of Fourth Total Least Squares and Errors-in-Variables Modeling Workshop, Leuven, Belgium, August 2006.

-Co-organizer of the section on statistics of stochastic processes at International Conference *Modern Stochastics: Theory and Applications, dedicated to the memory of Professor M.I. Yadrenko*, Kyiv, June 2006.

-Co-organizer of the section on Statistics-II at the conference “Functional Methods in Approximation Theory, Operator Theory, Stochastic Analysis and Statistics-II”, dedicated to the memory of A.Ya. Dorogovtsev, Kyiv, October 2004.

-Co-organizer of the section on financial mathematics at International Gnedenko Conference, Kyiv, June, 2002.

-Member of jury of four Olympiads in Ukraine organized by G. Soros.

-Member of jury of 19 All-Ukrainian Olympiads of young mathematicians, in particular in 2007 was a deputy head of jury and responsible for the 9th class, and 3 times was responsible for the 10th class.

-Member of jury of 64th-74th Kyiv Olympiads for young mathematicians.

-Member of jury of 1st and 3rd Kyiv Open linguistic Olympiads, March 2014 and March 2016, and of Kharkiv Open linguistic Olympiad, October 2014.

-Member of jury of the 6th to 8th Open Physical & Mathematical Olympiads, Odessa, October, 2004, October, 2005, and October, 2006.

-Member of jury of the 7th - 21st All-Ukrainian tournaments of young mathematicians: Kyiv, October 2004 and October 2005, Ivano-Frankivsk, October-November 2006, Sumy, October-November 2007, Lutsk, October 2008, Lugansk, October 2009, Mykolayiv, October 2010, Deputy Head of jury: Lviv, October 2011, Chernivtsy, October-November 2012, Simferopol, October-November 2013, Chernivtsy, October-November 2014, Zaporizhia, October 2015, Chernivtsy, November 2016, Vinnytsya, October-November 2017, Kherson, October-November 2018. See web page of the tournament: tym.in.ua.

-Member of jury of the Open Olympiad “*Stokes' Problems*” on Mathematics & Mechanics for students and Ph.D. students, Kyiv, May, 2004.

-Organizer of 14 faculty rounds of student mathematical Olympiad. It resulted in 7 methodical papers.

-Author of more than 100 published problems, most of which were proposed at the mathematical Olympiads of different levels.

REPORTS AT INTERNATIONAL CONFERENCES

Plenary lecture at the conferences:

-International Conference *Modern Stochastics: Theory and Applications. IV*, Kyiv, May 2018.

-*Stochastic Processes in Abstract Spaces*, Kyiv, October, 2015 (2 talks).

-3rd Conference *Mathematics for Life Sciences*, Rivne, September 2015.

-Humboldt Kolleg *Mathematics and Life Sciences: Possibilities, Interlacements and Limits*, Kyiv, August 2010.

-International conference *Functional Methods in Approximation Theory, Operator Theory, Stochastic Analysis and Statistics-II*, dedicated to the memory of A.Ya. Dorogovtsev, Kyiv, October 2004.

-6th International Conference on *Applied Informatics*, Eger, Hungary, January 2004,

-*Functional Methods in Approximation Theory, Operator Theory, Stochastic Analysis and Statistics*, Kyiv, October 2001.

Invited lectures at the conferences:

-*Limit theorems in Probability Theory, Number Theory and Mathematical Statistics*. International workshop in honour of Prof. V.V.Buldygin, Kyiv, October 2016 (2 co-authored talks).

-Baltic-Nordic-Ukrainian Summer School on Survey Statistics, Kyiv, August 2016.

-International Conference on *Probability, Reliability and Stochastic Optimization*, Kyiv, April 2015.

-Workshop *Mathematics for Life Sciences*, Kyiv, September 2012.

-The Barcelona International Conference on Advances in Statistics, Barcelona, Spain, June 2012.

-58th World Statistics Congress of the International Statistical Institute, Dublin, Ireland, August 2011.

- *Modern Stochastics: Theory and Applications II*, Kyiv, September 2010.

-Workshop *New Trends of Actuarial Research*, Kyiv, November 2008.

-22nd Nordic Conference on Mathematical Statistics, Vilnius, June 2008.

- International Summer School *Insurance and Finance: Science, Practice, and Education*, Foros, Crimea, Ukraine, June 2007.
- Fourth Total Least Squares and Errors-in-Variables Modeling Workshop, Leuven, Belgium, August 2006 (two lectures).
- International Summer School *Insurance and Finance: Science, Practice, and Education*, Foros, Crimea, Ukraine, June 2006.
- International Conference *Modern Stochastics: Theory and Applications*, dedicated to the memory of Professor M.I. Yadrenko, Kyiv, June 2006 (two lectures).
- 14th International Workshop on *Matrices and Statistics*, Auckland, New Zealand, March-April 2005.
- Conference *Recent Advances in Statistics*, Kanpur, India, January 2005.
- International conference *Functional Methods in Approximation Theory, Operator Theory, Stochastic Analysis and Statistics-II*, dedicated to the memory of A.Ya. Dorogovtsev, Kyiv, October 2004 (two lectures).
- 7th International Conference *Computer Data Analysis and Modeling: Robustness and Computer Intensive Methods*, Minsk, September 2004 (two lectures: invited and contributed).
- Workshop on *Risk Analysis in Finance and Insurance*, Munich, June 2004.
- International *Gnedenko Conference*, Kyiv, June 2002.
- 6th International School on *Mathematical and Statistical Methods in Economics, Finance and Insurance*, Laspi, Ukraine, September, 2002.
- INTAS workshop *Incomplete Markets and Weather Derivatives*, Berlin, February 2002.
- 3rd International workshop on *TLS and Errors-in-Variables Modeling*, Leuven, Belgium, August 2001 (two invited lectures).
- Workshop *Risk in Accumulation Products*. New-York, January 1999.

Contributed lectures at the conferences:

- International Conference *Stochastic Equations, Limit Theorems and Statistics of Stochastic Processes* dedicated to the 100th anniversary of I.I. Gikhman. September 2018.
- International Conference *Modern Stochastics: Theory and Applications. IV* dedicated to the 100th anniversary of I.I. Gikhman, Kyiv, May 2018.
- 17th International Conference dedicated to the memory of Academician Kravchuk, Kyiv, May 2016.
- Health effects of the Chornobyl accident – 30 years aftermath*, Kyiv, April 2016.

- Differential Equations, Computational Mathematics, Function Theory, and Mathematical Methods of Mechanics*, Kyiv, April 2014.
- 2nd EUMLS Conference *Mathematics for Life Sciences*, Olenivka, Ukraine, September 2013.
- International workshop *Limit Theorems in Probability Theory and Asymptotic Statistics*, Uppsala, Sweden, May 2013.
- Modern Stochastics: Theory and Applications III*, Kyiv, September 2012.
- 6th Conference in Actuarial Science and Finance in Samos, Greece, June 2010.
- 13th International Congress on Insurance: Mathematics and Economics, Istanbul, May 2009.
- Workshop on Long-Range Dependence: from Calculus to Financial Applications, Kyiv, September 2009: 30 minutes talk.
- Ukrainian Mathematical Congress, Kyiv, August 2009: 30 minutes talk.
- International Conference *Stochastic Analysis and Random Dynamics*, Lviv, Ukraine, June 2009: 30 minutes talk.
- 2008 Barcelona Conference on Asymptotic Statistics, Bellaterra, Spain, September 2008.
- International School *Finance, Insurance and Energy Markets – Sustainable Development*, Västerås, Sweden, May 2008.
- 8th International Conference *Computer Data Analysis and Modeling: Complex Stochastic Data and Systems*, Minsk, September 2007.
- International Conference *Skorokhod Space 50 Years On*, Kyiv, June 2007.
- Limit theorems and connected topics. Workshop dedicated to 60th anniversary of Prof. D.S. Silvestrov, Kyiv, February 2007.
- 2nd World Congress *Aviation in the 21st Century, Safety in Aviation*, Kyiv, September 2005.
- 25th European Meeting of Statisticians, Oslo, July 2005.
- Workshop *Numerical Methods of Statistics*, Prague, August 2004 (two lectures).
- International Conference on *Cybernetics and Information Technologies, Systems and Applications*, Orlando, Florida, USA, July 2004.
- 8th International Vilnius Conference on *Probability Theory and Mathematical Statistics*. Vilnius, Lithuania, June 2002.
- International Conference *Sensors & Systems*, Saint-Petersburg, Russia, June 2002.
- 2001 Taipei International *Quantitative Finance Conference*, Taiwan, Republic of China, July 2001.
- International School on *Mathematical and Statistical Applications in Economics*. Västerås, Sweden, January 2001.

- Conference in Celebration of Wayne A. Fuller's 70th Birthday. Ames, Iowa, USA, June 2001.
- German Open Conference on *Probability and Statistics*. Hamburg, March 2000.
- Workshop *Stochastic Methods in Finance, Insurance, and Physics*. Munich, September 2000.
- Second International School on Actuarial and Financial Mathematics. Kyiv, June 1999.
- Conference in Balatonlelle, Hungary, on *Limit Theorems in Probability and Statistics*. June-July 1999.
- 20th International Seminar on *Stability Problems for Stochastic Models*. Lublin-Naleczow, September 1999.
- 52nd Session of *International Statistical Institute*. Helsinki, August 1999.
- 3rd Ukrainian-Scandinavian Conference on *Probability Theory and Mathematical Statistics*. Kyiv, June 1999.
- First International School on *Actuarial and Financial Mathematics*. Kyiv, January 1998.
- 7th Vilnius Conference on *Probability Theory* and 22nd *European Meeting of Statisticians*. Vilnius 1998.
- International Colloquium on *Applications of Mathematics* in memoriam Lothar Collatz. Hamburg, 1997.
- 2nd Scandinavian-Ukrainian Conference on *Mathematical Statistics*. Umea, June 1997.
- 6th International Vilnius Conference on *Probability Theory and Mathematical Statistics*. Vilnius 1993.
- International Conference on *Change Points in Random Processes and Fields*. Kyiv 1992.
- 5th International Vilnius Conference on *Probability Theory and Mathematical Statistics*. Vilnius 1989.
- International Conference *Stochastic Optimization*. Kyiv 1984.

Poster presentations at the conferences:

- Twenty-five Years after Chernobyl Accident. Safety for the Future*. Kyiv, April 2011.
- International scientific-practical conference *Hygienic Aspects of Radiation Safety Securing of Population at Territories with Higher Radiation Level*, Saint-Petersburg, September 2008.
- 16th Symposium of IASC on *Computational Statistics*, Prague, August 2004 (two presentations).
- Workshop *Recent Developments and Applications in the Statistical Analysis of Discrete Structures*. Munich, Germany, October 2001.
- International Symposium *Extreme Value Analysis: Theory and Practice*. Leuven, Belgium, August 2001.
- International Workshop *Statistics with Deficient Data*. Munich, July 2000.

SELECTED CHESS TOURNAMENTS

- Team championship among higher schools of Holosiyiv region of Kyiv, November 2018: played on

reserved board for Taras Shevchenko National University of Kyiv, 1st team place.

-All-Ukrainian competitions among educators, December 2016: played on 3rd board for the team of Kyiv, 3rd team place.

-Team championship among higher schools of Holosiyiv region of Kyiv, February 2016: played on reserved board for Taras Shevchenko National University of Kyiv, 1st team place.

-Team championship among higher schools of Holosiyiv region of Kyiv, January 2014: played on 2nd board for Taras Shevchenko National University of Kyiv, 1st team place.

-Championship of Taras Shevchenko National University of Kyiv among University teachers, January 2014: 1st place.

-Championship of sanatorium “Zhovten’ “, Koncha-Zaspa, August 2013: 1st place.

-Championship of Taras Shevchenko National University of Kyiv among veterans, May 2012: 1st place.

-Scandinavian Rapid Chess Tournament, Täby, Stockholm, December 2005: 22nd place, 60 participants, scored 5.0 out of 9.

-17th Open of Leuven, Belgium, November 2005: shared 2nd place with IGM R. Akesson (Sweden) and FM S. Berry (England), scored 6.0 out of 7, performance 2447 Elo points.

-Rapid summer tournament in Leuven, Belgium, 2005: 1st place, performance 2185 Belgian points.

-Rapid tournament in Landen, Belgium, July 2005: shared 2nd place with IM A. Alyonkin (Russia), scored 6.0 out of 7, performance 2206.

-Rapid summer tournament in Leuven, Belgium, 2004: 1st place, performance 2105 Belgian points.

-Knokke Open, Belgium, August 2004: scored 4.5 out of 7, performance 2080.

-16th Open of Leuven, Belgium, November 2004: scored 4.5 out of 7, performance 2219 Elo points.

-Youth championship of sport society *Avangard*, Kiev, December 1974: 1st place.