



Curriculum Vitae

Matsak I.



Ivan Matsak

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Gender: male

Born: 28.01.1950

Citizenship: Ukrainian

<i>Scientific degree</i>	<i>Doctor with habilitation in Physics and Mathematics</i>
<i>Teaching degree</i>	<i>Senior Research Fellow</i>
<i>Position</i>	<i>Professor</i>
<i>Department</i>	<i>Operations research</i>
<i>Faculty</i>	<i>Faculty of Computer Science and Cybernetics</i>
<i>Part-time extra job</i>	<i>there is not</i>

Delivered classes:

<i>This year</i>	<ol style="list-style-type: none"><i>1. Mathematical Theory of Reliability, bachelor, 4th year, lectures.</i><i>2. Asymptotics Theory of Extreme Values, masters, 2nd year, lectures.</i><i>3. Operations Research, bachelor, 2nd year, tutorial, lectures..</i>
<i>In the past</i>	<ol style="list-style-type: none"><i>1. Algebra and geometry, bachelor, 1st year, tutorial, lectures.</i><i>2. Operations Research, bachelor, 2nd and 3rd year, tutorial, lectures</i><i>3. Workshop on Operations Research, bachelor, 3rd year, tutorial, lectures</i><i>4. Some Classical Problems of Probability Theory, bachelor,</i>

	<p>4th years, lectures.</p> <p>5. <i>Asymptotics Theory of Extreme Values</i>, , bachelor, 5th year, lectures.</p>
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Teaching and scientific experience:

Period	Description
09.2020 - present	<i>Professor of Operations Research Department, Faculty of Computer Science and Cybernetics (half time job)</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Teaching and scientific work</i>
06.2006 - 09.2020	<i>Professor of Operations Research Department, Faculty of Cybernetics</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Teaching and scientific work</i>
06.2005 - 06.2006	<i>Associate Professor of Operations Research Department, Faculty of Cybernetics</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Teaching and scientific work</i>
09.1991 - 05.2005	<i>Associate Professor of the Department of Informatics of the Kyiv National University of Technology and Design</i>
	<i>National University of Technology and Design</i>
	<i>Teaching and scientific work</i>

Education and post-doctoral training:

2005	<i>Obtained habilitation in Physics and Mathematics (specialization 01.01.05-Probability Theory and Mathematical Statistics)</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Habilitation thesis "Limit theorems for random elements in Banach lattices" (adviser-Prof. Yu.Kozachenko)</i>
1974 - 1978	<i>PhD study (completed in time)</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Obtained PhD degree with the thesis "Local properties of sampling functions of random processes" (supervisor-Prof. M. Yadrenko)</i>

Personal skills:

Naming	Description
Mother tongue	<i>Ukrainian</i>
Other languages	<i>Russian(C1), English (A10)</i>

Communication skills	<i>Produced in the process of many years of teaching mathematical disciplines to students</i>
Organizational/ Administrative skills	
Digital skills	<i>Regularly work with TeX/LaTeX, occasionally with Microsoft Word. Computer algebra packages (Matlab, Mathematica), statistical package STATGRAPHICS PLUS</i>
Areas of professional interests	<i>Probability Theory, Asymptotics Theory of Extreme Values, Mathematical Theory of Reliability</i>

Additional info:

Naming	Description
10 main publications	<ol style="list-style-type: none"> 1. <i>On distribution of the norm for normal random elements in the space of continuous functions (with A.N.Plichko), Lithuanian Mamh. Journal.- 2013.- v.53, №1, p. 72 – 79.</i> 2. <i>About the counting process in the maximum scheme, Theory Probab. Math. Statist. 2014.- № 91.- C. 109-122.</i> 3. <i>Elements of the theory of extreme values, Kyiv, KOMPRINT, 2014 (monograph).</i> 4. <i>A.V.Ivanov. Extreme residuals in regression model. Minimax approach, (with A.V.Ivanov, S. V. Polotskiy), Modern stochasticity : theory and applications - 2015.- v.2, №3, p. 297 – 308</i> 5. <i>The asymptotic behaviour of a counting process in the max-scheme. A discrete case, (with I. V.Rozora), Georgian Math. Journal.. , 2016, v. 23, № 3, p. 405 –416.</i> 6. <i>Asymptotic behaviour of random variables extreme values. Discrete case, Ukrainian Math. Journal.., v. 68, №7, 2016 ,p. 945--956</i> 7. <i>Limit theorem for extreme values of discrete random variables and its application, Theory Probab. Math. Statist. , 2019, №2(101) , p.189 - 202 .</i> 8. <i>Asymptotic behavior of maxima of independent random variables. Discrete case , (with K.S. Akbash, N.V. Doronina) Lithuanian Mathematical Journal, 2021, Volume 61, № 2, pp 145–160.</i> 9. <i>Estimates for the convergence rate in the limit theorem for extreme values of regenerative processes, (with. O.K.Zakusylo), Ukrainian Math. Journal.., v.72, №8, 2020, p. 1064-1081.</i> 10. <i>Asymptotic Behavior of Extreme Values of Random Variables and Some Stochastic Processes, , (with K.S. Akbash) In: Stochastic Processes: Fundamentals and Emerging Applications , Editor: M. Moklyachuk, Nova Science Publishers, Inc. , 2023, ,Chapter 1, p.1--35.</i>
Selected presentations	<i>1.Asymptotic behavior of extreme values in some Banach lattices(with K.S.Akbash), International conference “Modern stochasticity : theory and applications III”, September 10-14 , 2012, Kyiv, Ukraine, p. 36 .</i>

	<p>2. <i>On distribution of the norm for normal random elements in the space of continuous functions</i>(with A.N.Plichko), , <i>INTERNATIONAL CONFERENCE dedicated to 120-th anniversary of STEFAN BANACH, September 17-21, 2012 , Lviv , Ukraine, p.272.</i></p> <p>3. <i>On the extreme residuals in regression models</i>(with A.V.Ivanov, S. V. Polotskiy), <i>International conference “Probability, Reliability and Stochastic Optimization ”, April 7-10 , 2015, Kyiv, Ukraine, p. 39 .</i></p> <p>4. <i>Some problems of the probability theory in Banach space, , INTERNATIONAL CONFERENCE” Banach Spaces and their Applications” , Lviv (Ukraine), (2019) .</i></p>
Advisees	<i>Defended PhD student K.S.Akbash (2013).</i>
Grants and awards	
Refereeing and reviewing duties	<p><i>From 2007 to 2022 - a member of the specialized Academic Council of the Faculty of Mechanics and Mathematics D 26.001.37.</i></p> <p><i>He is a member of the editorial board of the Journal "Probability Theory and Mathematical Statistics"</i></p>