Curriculum Vitae

Довгай Б.В.

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Gender: male *Born: 18.08.1980* *Citizenship: Ukrainian*

Scientific degree	*Candidate of Science in Physics and Mathematics*
Teaching degree	*Associate Professor*
Position	*Associate Professor*
Department	*Operations research*
Faculty	*Faculty of Computer Science and Cybernetics*
Part-time extra job	*Scientific researcher of the project "Asymptotic properties of branching and evolution processes"*

Delivered classes:

This year	1. *Algebra and geometry, bachelors, 1-st year, lectures and tutorials.* 2. *Operations research, bachelor, 2-nd year, tutorials.* 3. *Mathematical foundations of population genetics, bachelor, 4-th year, lectures.*
In the past	1. *Operations research, bachelor, 3-rd year, tutorials.* 2. *Mathematical foundations of population genetics, magister, 2-rd year, lectures.* 3. *Orlicz spaces of random variables, bachelors, 4-th year, lectures.* 4. *Random processes, specialist, 1-st year, lectures.*

Teaching and scientific experience:

Period	Description
12.2010 – present	*Associate Professor of Operations Research Department, Faculty of Cybernetics (obtained an Associate Professor degree in 2014.)*
	Taras Shevchenko National University of Kyiv
	Teaching and scientific work
09.2004 – 12.2010	*Teaching assistant of Operations Research Department, Faculty of Cybernetics*
	Taras Shevchenko National University of Kyiv
	Teaching and scientific work

Education and post-doctoral training:

2007	*PhD in Physics and Mathematics (specialization 01.01.05-Probability Theory and Mathematical Statistics)*
	Taras Shevchenko National University of Kyiv
	PhD thesis "The properties of solutions of boundary-value problems of mathematical physics with random factors" (adviser-Prof. Yu. Kozachenko)
2002 – 2006	*PhD study*
	Taras Shevchenko National University of Kyiv
1997 – 2002	*Master in mathematics degree*
	Faculty of Mechanics and Mathematics,Taras Shevchenko National University of Kyiv
	Diploma paper "Generalized super-Gaussian random variables" (adviser-Prof. Yu. Kozachenko)

Personal skills:

Naming	Description
Mother tongue	*Ukrainian, Russian*
Other languages	*English – moderate*
Communication skills	*15-years long experience of teaching in Ukrainian*
Organizational/ Administrative skills	*Scientific secretary of the Operations Research Department Since 2009*
Digital skills	*Regularly work with TeX/LaTeX, occasionally with Microsoft Word*
Areas of professional interests	*Probability theory, theory of stochastic processes*

Additional info:

Naming	Descritpion
10 main publications	1. *The Boundary-Value Problems of Mathematical Physics with Random Factors (Ukrainian, with Yu.V. Kozachenko, G. I. Slyvka-Tylyshchak). Kyiv: "Kyiv University", 2008 (monograph).*

	2. *Moderate parts in regenerative compositions: The case of regular variation (with D. Buraczewski, A. Marynych), Journal of Mathematical Analysis and Applications, 2021, Volume 497, Issue 1, Article number 124894.* 3. *On intermediate levels of nested occupancy scheme in random environment generated by stick-breaking I (with D. Buraczewski, A. Iksanov), Electronic Journal of Probability, 2020, 25, paper no. 123, p. 1–24.* 4. *Asymptotic Dissipativity for Merged Stochastic Evolutionary Systems with Markov Switchings and Impulse Perturbations under Conditions of Lévy Approximation (with I. Samoilenko, A. Nikitin.), Cybernetics and Systems Analysis, 2020, Vol. 56,No.3, p. 392–400.* 5. *Information Warfare Model with Migration (with I.V. Samoilenko, C. Dong), CEUR Workshop Proceedings. – 2019. – Vol. 2353. – P. 428–439.* 6. *Asymptotic Behavior of Extreme Values of Queue Length in M / M / m Systems (with I.Matsak), Cybernetics and Systems Analysis. – 2019, 55(2), P. 321–328.* 7. *On a redundant system with renewals (with I.K. Matsak), Theory of Probability and Mathematical Statistics. – 2017, 94, P. 63–76.* 8. *Generalized solutions of a hyperbolic equation with a φ-sub-Gaussian right hand side, Theory of Probability and Mathematical Statistics, 2010, 81, pp. 27–33.* 9. *Properties of the solution of nonhomogeneous string oscillation equations with φ-subgaussian right side (with Yu.V. Kozachenko), Random operators and stochastic equations, – 2009, – Vol. 17. – P. 221–241.* 10. *The condition for application of Fourie method to the solution of nonhomogeneous string oscillation equation with φ -subgaussian right hand side (with Yu.V. Kozachenko), Random operators and stochastic equations, – 2005, – Vol. 13, No. 3. – P. 281–296.*
Grants and awards	*Appreciation note of the Rector of Taras Shevchenko National University of Kyiv, 2020.*