Curriculum Vitae

Samoilenko I.

Igor Samoilenko
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Gender: male *Born: 23.08.1976* *Citizenship: Ukrainian*

Scientific degree	*Doctor with habilitation in Physics and Mathematics*
Teaching degree	*Associate Professor*
Position	*Professor of Department*
Department	*Operations research*
Faculty	*Faculty of Computer Science and Cybernetics*

Delivered classes:

This year	1. *Models of option pricing, bachelor, 4th year, lectures.* 2. *Elements of Random Evolutions Theory, magister, 2rd year, lectures.* 3. *Applications of Random Evolutions Theory, magister, 2rd year, lectures.* 4. *Operations research, bachelor, 2nd year, tutorials.* 5. *Linear algebra and analytical geometry, 1nd year, tutorials.*

Teaching and scientific experience:

Period	Description
01.2022 -present	*Professor of Operations Research Department, Faculty of Computer Science and Cybernetics*
	Taras Shevchenko National University of Kyiv
	Teaching and scientific work

03.2015 - 12.2021	*Associate Professor of Operations Research Department, Faculty of Cybernetics (obtained an Associate Professor degree in 2017)*
	Taras Shevchenko National University of Kyiv
	Teaching and scientific work
09.2014 - 02.2015	*Head of Laboratory of "Probabilistic and Statistical methods"*
	Taras Shevchenko National University of Kyiv
	Scientific work
09. 2001 - 08.2011	*Scientist in the Department of Fractal Analysis*
	Institute of Mathematics of National Academy of Sciences of Ukraine
	Scientific work

Education and post-doctoral training:

2014	*Obtained habilitation in Physics and Mathematics (specialization 01.05.04-System Analysis and Decision Theory)*
	Taras Shevchenko National University of Kyiv
	Habilitation thesis " Analysis of asymptotic properties of complex evolutionary systems in the Poisson approximation scheme " (adviser-Acad. V.Koroliuk)
2011-2014	*Doctorate study*
	Institute of Mathematics of National Academy of Sciences of Ukraine
2002	*PhD in Physics and Mathematics (specialization 01.01.05-Probability Theory and Mathematical Statistics)*
	Institute of Mathematics of National Academy of Sciences of Ukraine
	PhD thesis "Analytical theory of Markov random evolutions in R^n" (supervisor-Prof. A. Turbin)
1998-2001	*PhD study*
	Institute of Mathematics of National Academy of Sciences of Ukraine
1993-1998	*Specialist in Teacher of Mathematics and Informatics degree (with honours)*
	Faculty of Physics and Mathematics, Kherson State Pedagogical University
	Diploma paper " Markov random evolutions in R^n " (adviser – Prof. A. Turbin)

Personal skills:

Naming	Description
Mother tongue	*Ukrainian*
Other languages	*English-fluent*
Communication skills	*15-years long experience of teaching in Ukrainian. Delivered mathematical lectures in English (China). Presented several talks at various conferences abroad. Haven't observed own communication issues for a long time.*
Organizational/ Administrative skills	*2014-2015 - Head of laboratory.* *Since 2018- Guarantor of ESP " Applied Mathematics " of the Master's level, was engaged in the organization and successfully completed the accreditation process of the ESP in 2023.*
Digital skills	*Regularly work with TeX/LaTeX, occasionally with Microsoft Word, Excel.*
Areas of professional interests	*Probability Theory, Theory of Stochastic Processes, Models of Conflicts, Applications in Medicine and Information Warfare*

Additional info:

Naming	Description
10 main publications	1. *Koroliouk D., Samoilenko I. Random evolutionary systems: asymptotic properties and large deviations, London: ISTE-John Wiley & Sons, 2021, 310 p. (monograph).* 2. *Albeverio S., Koroliuk V. S., Samoilenko I. V. Asymptotic expansion of semi-Markov random evolutions. Stochastics: An International Journal of Probability and Stochastics Processes, Vol. 81 (2009), No. 5, p. 477–502.* 3. *Koshmanenko V., Samoilenko I. The conflict triad dynamical system. Communications in Nonlinear Science and Numerical Simulation, 16 (2011), p. 2917–2935.* 4. *Koroliuk V.S., Limnios N., Samoilenko I.V. Poisson approximation of impulsive recurrent process with semi-Markov switching. Stochastic Analysis and Applications, 29 (2011), p. 769–778.* 5. *Koroliuk V.S., Samoilenko I.V. Large deviations for random evolutions in the scheme of asymptotically small diffusion, Modern Stochastics and Applications, Springer Optimization and Its Applications, Vol. 90 (2014), p. 203-220.* 6. *Samoilenko I.V. Large deviations for random evolutions with independent increments in the scheme of Lévy approximation with split and double merging, Random Operators and Stochastic Equations, 22(2), 2015, p.137-149.* 7. *Samoilenko I.V. Large deviations for random evolutions with independent increments in a scheme of Lévy approximation, Journal of Mathematical Sciences, 210(1), 2015, p.52-66.* 8. *Koroliuk V.S., Limnios N., Samoilenko I.V. Lévy and Poisson approximations of switched stochastic systems by a*

	semimartingale approach, Comptes Rendus Mathematique, 354 (2016), p.723–728 9. *Iksanov A., Pilipenko A., Samoilenko I. Functional limit theorems for the maxima of perturbed random walks and divergent perpetuities in the M1-topology, Extremes, 20 (2017), no. 3, p. 567-583.* 10. *Bekesiene, S., Samoilenko, I., Nikitin, A., Meidute-Kavaliauskiene, I. The Complex Systems for Conflict Interaction Modelling to Describe a Non-Trivial Epidemiological Situation, Mathematics, 10(4), 2022, 537.*
Grants and awards	1. *Diploma of Taras Shevchenko National University of Kyiv, 2021* 2. *Diploma of the NAS of Ukraine, 2019* 3. *Taras Shevchenko Prize, Taras Shevchenko National University of Kyiv, 2019* 4. *Gratitude of the Ministry of Education and Science of Ukraine, 2018* 5. *Grant of the President of Ukraine to Doctors of Sciences for the implementation of scientific research for 2017.* 6. *Prize of the President of Ukraine for young scientists, 2009*
Refereeing and reviewing duties	*Member of the editorial board of the journal " Methodology and Computing in Applied Probability ", columnist for Mathscinet. Every year I review articles for mathematical journals.*