

Curriculum Vitae of Oleksii M. Kulyk (Alexei M. Kulik)

Education

Mar 2018	Title of professor in mathematics, Ukraine
Dec 2005	Habilitation (DSc) in probability and statistics, Institute of Mathematics of Kyiv (IMK), Ukraine
May 1996	PhD degree in probability and statistics, IMK
Jun 1994	Diploma in Mathematics, Taras Shevchenko Kyiv University (TSKU), Ukraine
1989 – 1994	Undergraduate student, major: mathematics, minor: didactics, TSKU

Professional Career

since Oct 2018	Professor, Wrocław University of Science and Technology, Poland
2006 – 2018	Leading Scientific Researcher, IMK
2001 – 2005	Senior Scientific Researcher, IMK
1996 – 2001	Scientific Researcher, IMK
2006 – 2016, 2017 – 2018	Full Professor, Taras Shevchenko National University of Kiev (part-time position)

Visiting Positions

Oct 2016 – Mar 2017	BMS Professor, Berlin Mathematical School, Technische Universität Berlin, Germany
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Most important publications in the past 10 years

1. *Ergodic Behavior of Markov Processes*, de Gruyter, Berlin/Boston, 2017, ISSN 0179-0986.
2. Approximation in law of locally α -stable Lévy-type processes by non-linear regressions. *Electronic Journal of Probability*, 2019, vol. 24, art. 83, 1-45.
3. (with I. Pavlyukevich) Limit theorem for non-linear Langevin equations driven by Lévy noise, *Annales de l'Institut Henri Poincaré*, 2019, vol. 55, no. 3, 1278 – 1315.
4. On weak uniqueness and distributional properties of a solution to an SDE with α -stable noise. *Stochastic Processes and Applications*, **129** (2019), no. 2, 473 – 506.
5. (with M. Scheutzow) Generalized couplings and convergence of transition probabilities. *Probability Theory and Related Fields*, **171** (2018), 333 – 376.
6. (with V. Knopova) Parametrix construction of the transition probability density of the solution to an SDE driven by α -stable noise. *Ann. Inst. Henri Poincaré: Probab. & Stat.* **54** (2018), 100 – 140.
7. (with M.Scheutzow) A coupling approach to Doob's theorem, *Rendiconti Lincei Mat. Appl.* **26** (2015), 83 – 92.
8. (with P. Cattiaux, M. Fradon, and S. Roelly) Long time behavior of stochastic hard ball systems, *Bernoulli*, **22** (2016), No. 2, 681 – 710.
9. (with N.N.Leonenko) Ergodicity and mixing bounds for the Fisher-Snedecor diffusion. *Bernoulli* **19(5B)** (2013), 2294 – 2329.
10. Absolute continuity and convergence in variation for distributions of functionals of Poisson point measure. *Journal of Theoretical Probability* **24** (2011), 1 – 38.
11. Asymptotic and spectral properties of exponentially ϕ -ergodic Markov processes. *Stochastic Processes and Applications* **121** (2011), 1044 – 1075.

Grants and Projects

2012 – 2013	DAAD (55518603) <i>Leonard Euler</i> program, joint project of Kiev University and Potsdam University, PI
2013	<i>Research in Groups</i> program, ICMS, Edinburgh, CoI
2013 – 2014	DAAD (57044593) <i>Leonard Euler</i> program, joint project of Kiev University and Potsdam University, PI

2014	<i>Research in Paris</i> program, AIHP, Paris, CoI
2013 – 2015	DFG (Schi 419/8-1), TU Dresden, named PI
2019 – 2021	DFG (PA 2123/5-1), FSU Jena, CoI
2020 – 2022	Joint DFG/NCN <i>Beethoven</i> program, TU Dresden/WUST, CoI

Further Information

Publications	75 papers published since 1996, 5 monographs/textbooks, 1 book edited, 197 citations in MathSciNet (as of 10/Oct/2019) http://prac.im.pwr.wroc.pl/~kulyk/books.pdf http://prac.im.pwr.wroc.pl/~kulyk/papers.pdf
Supervisions	currently 1 Habilitation and 6 PhD completed supervisions
Talks	more than 15 invited talks over the past 10 years
Associate editor	<i>Modern Stochastics: Theory and Applications</i> , <i>Theory of Stochastic Processes</i>