Ekaterina Glinyanaya

Fellow researcher at the Department of the theory of stochastic processes

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Date of birth, Place of birth:

23/10/1985   Ukraine

Education

2016 Candidate of Sciences in Mathematics (Institute of Mathematics, NAS of Ukraine) Dissertation: Discrete-time stochastic flows Supervisor: A. A. Dorogovtsev, Head of the Department of the theory of stochastic processes, Institute of Mathematics, NAS of Ukraine, Doctor of Science in Mathematics, Professor

2009-2013 Post graduate course in the Institute of mathematics of the NAS of Ukraine

2003-2009 Master degree in Mathematics, Institute of Mathematics, Economics and Mechanics of I. I. Mechnikov Odessa National University

Employment

since 2013 Junior researcher at the Department of the theory of stochastic processes, Institute of Mathematics, NAS of Ukraine

since 2016 Lecturer, at O.O. Bogomolets National Medical University, courses in computer science

Current Scientific Interests

Discrete-time stochastic flows, Flows of Brownian particles on the line

Publications

1. Discrete analogue of the Krylov-Veretennikov expansion Theory of Stochastic Processes, Volume 17(33), no.1, 2011, pages 39-49

2. Disordering asymptotics in the discrete approximation of an Arratia flow, Theory of Stoch. Processes, vol. 18(34), no.2, 2012, p. 8-14.

3. Semigroups of m-point motions of the Arratia flow, and binary forests, Theory of Stoch. Processes, vol. 19(35), no.2, 2014, p. 31-41

4. Krylov-Veretennikov representation for the m-point motion of a discrete-time flow, Theory of Stoch. Processes, vol. 20(36), no.1, 2015, p. 63-77

5. Эргодичность относительно пространственной переменной дискретных по времени стохастических потоков. Доклады Национальной академии наук Украины. 2015;(8), 13-20.

Participation at the conferences

1. 19-th International conference of young scientists "Lomonosov"(Moscow, 2012)

2. Всеукраїнська наукова конференція "Сучасні проблеми теорії ймовірностей та математичного аналізу"(Ворохта, Україна, 25 лютого - 3 березня, 2013.

3. Міжнародна математична конференція "Боголюбовські читання DIF-2013. Диференціальні рівняння, теорія функцій та їх застосування" (Севастополь, Україна, 23-20 червня 2013)

4. 11th International Vilnius Conference on Probability Theory and Mathematical Statistics (Vilnius, Lithuania, 30 June - 4 July, 2014)

5. Yu. V. Linnik Centennial Conference Analytical methods in number theory, probability theory and mathematical statistics (St.Petesburg, September). – 2015

6. Discrete-time approximation of Harris flows and discrete-time analogue of Krylov-Veretennikov expansion. International Conference "Stochastic Processes in Abstract Spaces" (Kyiv, Ukraine 14-16 October, 2015.