



Iaroslava Korenovska

Junior researcher at the Department of the
theory of stochastic processes

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Date of birth, Place of birth:

13/06/1991 Ukraine

Education

- 2019 Candidate of Sciences (PhD) in Mathematics (Institute of Mathematics, NAS of Ukraine)
PhD Thesis «Geometric properties of infinite-dimensional maps generated by singular stochastic flows»
Supervisor: Professor A. A. Dorogovtsev (Head of the Department of the theory of stochastic processes, Institute of Mathematics, NAS of Ukraine, Doctor of Science in Mathematics)
- 2014-2017 Post graduate course in the Institute of mathematics of the NAS of Ukraine
- 2012-2014 Master degree in Mathematics, Taras Shevchenko National University of Kyiv
- 2008-2012 Bachelor degree in Mathematics, Institute of Mathematics, Economics and Mechanics of I. I. Mechnikov Odessa National University

Employment

- since 2018 Junior researcher at the Department of the theory of stochastic processes, Institute of Mathematics, NAS of Ukraine
- 2018-2019 Post-Graduate Assistant, Sikorsky Kyiv Polytechnic Institute, course "Mathematical Analysis"

Current Scientific Interests

Stochastic flows, Random operators, Point processes

Publications

1. Random maps and Kolmogorov widths (by I. A. Korenovska). Theory of Stochastic Processes, Volume 20(36), no.1, 2015, pp. 78-83
2. Properties of Strong Random Operators Generated by the Arratia Flow (by Ya. Korenovskaya). Ukrainian Mathematical Journal 69 (2017), no. 2, pp.186-204
3. Some random integral operators related to a point processes (by A. A. Dorogovtsev and Ia. A. Korenovska). Theory of Stochastic Processes, Vol. 22 (38), no. 1, 2017
4. Essential Sets for Random Operators Constructed from an Arratia Flow (by A. A. Dorogovtsev and Ia. A. Korenovska). Communications on Stochastic Analysis, Vol. 11, no. 3, 2017, pp. 301-312
5. On some random integral operators generated by an Arratia flow (by A. A. Dorogovtsev, Ia. A. Korenovska, E. V. Glinyanaya). Theory of Stochastic Processes, Vol. 22 (38), no. 2, 2017

Participation at the conferences

1. «Stochastic Equations, Limit Theorems and Statistics of Stochastic Processes», dedicated to the 100th anniversary of I.I.Gikhman (Kyiv, Ukraine, 2018)
2. 12th International Vilnius Conference on Probability Theory and Mathematical Statistics and 2018 IMS Annual Meeting on Probability and Statistics (Vilnius, Lithuania, 2018)
3. Symposium on Probability Theory and Random Processes (St.Petersburg, Russia, 2017)
4. Stochastic calculus and geometry of stochastic flows and singular interactions 2nd Mini-Workshop Ukrainian-German Workshop in stochastics (Jena, Germany, 2016)
5. «Limit Theorems in Probability Theory, Number Theory and Mathematical Statistics» international workshop in honour of V.V. Buldygin (Kyiv, Ukraine, 2016)
6. International Conference “Stochastic Processes in Abstract Spaces” (Kyiv, Ukraine 14-16 October, 2015).
7. Yu. V. Linnik Centennial Conference "Analytical methods in number theory, probability theory and mathematical statistics"(St.Petesburg, Russia, 2015)
8. International conference of young scientists "Lomonosov-2015"(Moscow, Russia, 2015)