

ALEKSANDRA LUKINA

April 2024

The University of Chicago Harris School of Public Policy
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• Professional Positions:

September 2023 – present: Research Associate at the Stone Center for Research on Wealth Inequality and Mobility, Harris School of Public Policy, University of Chicago.

September 2019 – August 2023: Postdoctoral Researcher at the Harris School of Public Policy, University of Chicago.

September 2018 – May 2019: Visiting Lecturer and Postdoctoral Associate at Cornell University, Economics Department.

June – August 2018: Postdoctoral Research Fellow at the University of Wisconsin-Madison (Wisconsin Russia Project).

January – May 2018: Postdoctoral Associate at Cornell University.

September – December 2017: Postdoctoral Research Fellow at the University of Wisconsin-Madison.

2015 – 2018: Senior Lecturer at Saint Petersburg State University, Faculty of Applied Mathematics and Control Processes, Department of Mathematical Theory of Economic Decision Making.

• Education & Qualifications:

2016: Saint Petersburg State University, PhD in Applied Mathematics. Thesis title, “Mathematical Modeling of International Labor Migration”. (Russian Scientific Degree “Candidate of Science in Physics and Mathematics”.)

2014: European University at Saint Petersburg, Master’s Diploma with honors, area of specialization: Economics. Additional certificate of completion “Welfare Economics” [in English] (an excellent mark).

2012: Saint Petersburg State University, Diploma with conferring the qualification (academic degree) of Mathematician, Specialist level (Level 5A in ISCED classification of UNESCO), area of specialization: Partial Differential Equations.

- **Scientific Interests:**

Primary:

Income inequality, intergenerational mobility, economic growth, human capital formation.

Secondary:

Demography, international labor migration.

- **Papers:**

In progress:

1. “Some New Approaches to Characterizing Intergenerational Dependence via Markov Chains” (Submitted to “**Sociological Methods & Research**” in February 2024), with Lawrence Blume, Neil Cholli and Steven Durlauf.

2. “Economic Growth in the Short Run. Optimally Approaching the Turnpike”, with Lawrence Blume.

3. “Stepping Stones and Bottlenecks in Income Inequality Dynamics”, with Lawrence Blume and Steven Durlauf.

4. “Dynastic Competition in Intergenerational Model of the Distribution of Wealth”, with Lawrence Blume and Steven Durlauf.

5. “Statistical Models of Intergenerational Mobility” for the first Handbook of Intergenerational Mobility, with Steven Durlauf and Kristina Butaeva.

Published (selected):

6. Blume L., Lukina A. [“A Note on Migration Perturbation and Convergence Rates to a Steady State”](#) // Program Systems: Theory and Applications, Vol. 11, No. 4(47), 2020, pp. 17-30.

7. Blume L., Durlauf S., Lukina A. [“Poverty Traps in Markov Models of the Evolution of Wealth”](#) // WZB Discussion Paper, No. SP II 2020-303.

8. Popov I., Krylatov A., Lukina A. [“Pricing Mechanisms for Day-ahead Demand Management in Multi-Generator Power Grid”](#) // 2016 International Conference on Recent Advances and Innovations in Engineering (ICRAIE).

9. Lukina A., Prasolov A. “The Labor Immigration Control” // International Journal of Pure and Applied Mathematics, Vol. 108, No. 3, 2016, pp. 659–669.

10. Lukina A., Prasolov A. “The Model of One-Way Migration Flow “Donor-Recipient” [in Russian] // International Conference “Government and Business, Modern Economic Problems” Proceedings, 2016, pp. 71-76.

11. Lukina A. “About Labor Immigration Control in the Russian Federation” [in Russian] // Finances and Business, No. 2, 2015, pp. 41-56.

12. Lukina A., Prasolov A. “Analysis and Mathematical Modeling of International Labor Migration” [in Russian] // Administrative Consulting, No. 10, Is. 82, 2015, pp. 146–156.

13. Arkhipova A., Lukina A. [“Regularity of Weak Solutions to the Model Venttsel Problem for Linear Divergence Elliptic Operators in Campanato Spaces”](#) // Journal of Mathematical Sciences, 2013, Vol. 195, Is. 5, pp. 609-621.

14. Arkhipova A., Lukina A. [“Estimates for solutions to the model Venttsel problem in Campanato spaces”](#) // Journal of Mathematical Sciences, 2013, Vol. 191, Is. 2, pp. 150-161.

• **Grants and Awards:**

2022 – present: Project title: “Resilience of Economic Systems”, with Lawrence Blume, Martin Meyer and Leopold Sögner.

2018 – 2021: Russian Foundation for Basic Research. Project title: “Modeling of demographic and economic processes interaction in a society with a migration inflow”.

2017 – 2018: Carnegie Corporation of New York postdoctoral research fellowship at the University of Wisconsin-Madison.

2013 – 2015: Presidential scholarship, Saint Petersburg State University.

2013: Gazprombank scholarship, European University at Saint Petersburg.

• **Teaching:**

Intergenerational Mobility: Theoretical and Empirical Overview (graduate course) and Introduction to Intergenerational Mobility (undergraduate course), Harris School of Public Policy, University of Chicago.

Intermediate Mathematical Economics I (PhD course), Cornell University.

Modeling of Socioeconomic Systems, Mathematical Modeling in Economics, Introduction to Econometrics, Mathematical Analysis (all undergraduate); Nonlinear Dynamical Systems (graduate course), Saint Petersburg State University.

• **Presentations (selected):**

1. UChicago Conference on New Methods to Measure Intergenerational Mobility, November 2023.
2. 10th meeting of the Society for the Study of Economic Inequality, July 2023.
3. 29th International Conference, Computing in Economics and Finance, July 2023.
4. Central European Program in Economic Theory, June 2023.
5. Midwest Economic Theory Conference, April 2023.
6. St. Petersburg Seminar in Economic Theory, Econometrics and Mathematical Economics, January 20, 2022.
7. St. Petersburg Economic Seminar (HSE, EU, PDMI), January 16, 2020.
8. Conference on New Approaches to Intergenerational Mobility, December 11-12, 2020.
9. 5th International Workshop on Economic Growth, Environment and Natural Resources, St. Petersburg, May 31-June 1, 2019.

10. International Workshop “Social Interaction and Human Capital”, European University at St. Petersburg, May 21, 2018.
11. The Cambridge-INET Institute Theory Workshop, 1-3 May, 2018.
12. NES-HCEO Summer School on Socioeconomic Inequality, Moscow, August 28-September 2, 2017.
13. IV NES CSDSI winter school “Cultural Diversity and Income Inequality”, Yekaterinburg, 2016.
14. St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, 2016.
15. Institute of Applied Mathematical Research of Karelian Research Center of the Russian Academy of Sciences, 2015.
16. The II NES CSDSI summer school “Culture, Institutions and Diversity”, Baikal, 2015.

- **Professional Service:**

Reviewer for the American Journal of Sociology, Sociological Methods and Research, Applied Mathematical Modelling.

Program Committee, Internet Science Conference 2018 (organized by Saint Petersburg State University).

- **Professional Membership:**

ECINEQ (the Society for the Study of Economic Inequality), Econometric Society and CEF (Computing in Economics and Finance) active member.

- **Languages:**

English (fluent), Russian (native).