

Sergei Balakin

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Department of Economics
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EDUCATION

<i>PhD Degree</i> , Economics The Ohio State University, Columbus, Ohio	expected 2022
<i>Master of Research</i> , Economics European University Institute, Florence, Italy	June 2015
<i>PhD Degree</i> , Mathematics Novosibirsk State University, Novosibirsk, Russia	June 2006
<i>Master's Degree</i> , Mathematics Novosibirsk State University, Novosibirsk, Russia	June 2003
<i>Bachelor's Degree</i> , Mathematics Novosibirsk State University, Novosibirsk, Russia	June 2001

WORKING PAPERS

- “Application Costs as a Screening Instrument in Decentralized Matching” (JMP)
- “Decentralized Dynamic Matching with Signaling”
- “Iterated Regret Minimization in Games with Nonoptimal Nash Equilibria”

WORK IN PROGRESS

- “Congestion on the Bottom: Matching with Limited Capacity”
- “Dynamic Choice with Noisy Information: Would Overconfidence Help?”
- “Information Flows on Network Structures” (with Dan Levin)

INVITED TALKS

International Laboratory of Game Theory and Decision Making. HSE, St. Petersburg, Russia June 2019

CONFERENCES IN ECONOMICS

- Midwest Economic Theory Conference, Autumn 2021. East Lansing, MI, USA Oct 8 – 10, 2021
- SING16: 16th European Meeting on Game Theory. Granada, Spain Jul 1 – 3, 2021
(online)
- GTM2021: 15th International Conference on Game Theory and Management. St. Petersburg, Russia Jun 23 – 25, 2021
(online)
- Annual Meeting of the Midwest Economics Association. Cleveland, OH, USA Mar 22 – 26, 2021
(online)
- CMID20: Conference on Mechanism and Institution Design. Klagenfurt, Austria Jun 11 – 13, 2020
(online)
- SING15: 15th European Meeting on Game Theory. Turku, Finland Jul 2 – 4, 2019
- CED-2019: Conference on Economic Design. Budapest, Hungary Jun 12 – 14, 2019
- Midwest Economic Theory Conference, Spring 2019. Bloomington, IN, USA May 31 – Jun 2, 2019
- Annual Meeting of the Midwest Economics Association. St. Louis, MO, USA Mar 15 – 17, 2019

PROFESSIONAL AND TEACHING EXPERIENCE

Principles of Microeconomics. Department of Economics, OSU <i>Independent Instructor</i>	May 2018 – current time
Principles of Macroeconomics. Department of Economics, OSU <i>Teaching assistant</i>	Aug 2017 – May 2018
Sobolev Institute of Mathematics SB RAS, Novosibirsk, Russia <i>Research fellow</i>	Jan 2007 – Dec 2010
Mathematics. Department of Economics, NSU <i>Lecturer (Assistant Professor)</i>	Sep 2011 – Sep 2012
Analysis and Differential equations. Department of Automation and Computer Science (DACS), NSTU <i>Lecturer (Assistant Professor)</i>	Sep 2008 – Jan 2011
Mathematics. Department of Economics, NSU <i>Teaching assistant</i>	Sep 2006 – Jun 2014
Linear algebra. Department of Economics and Department of Natural Sciences, NSU <i>Teaching assistant</i>	Sep 2005 – Jun 2011
Differential equations. Department of Economics, NSU <i>Teaching assistant</i>	Sep 2008 – Jan 2009
Analysis. Department of Natural Sciences, NSU <i>Teaching assistant</i>	Sep 2006 – Jun 2010
Analysis, Differential equations, Theory of functions of a complex variable. DACS and Department of Electromechanical Engineering, NSTU <i>Teaching assistant</i>	Nov 2006 – Jun 2011

SELECTED PUBLICATIONS IN MATHEMATICS

- (2013) Stochastic Model of Digit Transfer in Computing. *Numerical Analysis and Applications*, 6(1), 71–76 (with L. Savelyev).
- (2012) *Finite Markov Chains and Runs: Theory and Applications*. LAP LAMBERT Academic Publishing. Saarbrücken. 150 pages (with L. Savelyev, in Russian).
- (2012) Some Applications of the Stochastic Theory of Runs. *Journal of Applied and Industrial Mathematics*, 15(3), 111–123, 2012 (with L. Savelyev, in Russian).
- (2011) A Combinatorial Approach to Calculation of Moments of Characteristics of Runs in Ternary Markov Sequences. *Discrete Mathematics and Applications*, 21(1), 47–67 (with L. Savelyev).
- (2009) Special Operator Equations. *Journal of Applied and Industrial Mathematics*, 3(2), 1–16 (with M.M. Lavrentyev and L. Savelyev).
- (2008) Matrix Operator Equations. *Journal of Applied and Industrial Mathematics*, 2(4), 1–23 (with M.M. Lavrentyev and L. Savelyev).
- (2008) Characteristics of Runs in Ternary Markov Chains. *Herald of the Syktyvkar University*, 1(8), 3–14 (in Russian).
- (2006) *Mathematical Models of Natural and Social Processes. Finite Markov Chain Approach*. Candidate's Thesis, Novosibirsk, 119 pages (in Russian).
- (2004) The joint distribution of the number of ones and the number of 1-runs in binary Markov sequences. *Discrete Mathematics and Applications*, 14(4), 353–372 (with L. Savelyev).
- (2003) Covering runs in binary Markov sequences. *Discrete Mathematics and Applications*, 13(2), 111–139 (with L. Savelyev and B. Khromov).

SELECTED CONFERENCES IN MATHEMATICS

- 11th Russian Symposium on Applied and Industrial Mathematics. Sochi, Russia Oct 2010
- 10th International Conference on Probability Theory and Mathematical Statistics. Vilnius, Lithuania Jun 2010
- International Youth Forum "LOMONOSOV-2010". Moscow, Russia Apr 2010
- Differential Equations, Function Spaces, Approximation Theory: International Conference Dedicated to Centenary from S.L. Sobolev Birthday. Novosibirsk, Russia Oct 2008
- 7th International conference "Probabilistic Methods in Discrete Mathematics". Petrozavodsk, Russia Jun 2008
- 3th International Scientific Congress "GEO-Siberia-2007", Novosibirsk, Russia Apr 2007
- International Conference on Computational Mathematics, Novosibirsk, Russia Jun 2004

ACADEMIC GRANTS AND SCHOLARSHIPS

Departmental Citation for Excellence in Teaching, OSU	Sep 2019
JMCB Grant for Graduate Student Research, OSU	Aug 2018 – Aug 2019
Department of Economics Scholarship, OSU	Aug 2016 – Aug 2017
Russian Ministry of Education and Science Grant, EUI	Aug 2014 – Aug 2016
Member of Russian Foundation for Basic Research project 10-01-00384 "Integral equations and their applications to tomography"	Jan 2010 – Dec 2012
Member of a project of a Council for Grants of the President of the Russian Federation (Scientific Schools Support) 1440.2008.1	Jan 2008 – Dec 2008
Member of Russian Foundation for Basic Research project 06-01-00422 "Regularization of operator equations"	Jan 2006 – Dec 2008
The Vladimir Potanin Foundation Scholarship	Jan 2003 – Jun 2003

LANGUAGES

Russian (native), English (fluent), Italian (basic knowledge)

REFERENCES

Professor **Paul J. Healy**
Department of Economics
The Ohio State University
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Professor **Dan Levin**
Department of Economics
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Professor **Yaron Azrieli**
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