

Sergei Balakin

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Department of Economics
The Ohio State University
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EDUCATION

<i>PhD Degree</i> , Economics The Ohio State University, Columbus, Ohio	expected 2021
<i>Master of Arts</i> , Economics The Ohio State University, Columbus, Ohio	July 2017
<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”
- “Signaling in Decentralized Dynamic Matching”
- “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?”

INVITED TALKS

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

CONFERENCES IN ECONOMICS

- 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

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

PROFESSIONAL AND TEACHING EXPERIENCE

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

Analysis. Department of Natural Sciences, NSU
Teaching assistant

Sep 2006 – Jun 2010

Analysis, Differential equations, Theory of functions of a complex variable.
DACS and Department of Electromechanical Engineering, NSTU
Teaching assistant

Nov 2006 – Jun 2011

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

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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