

EKATERINA POLYAKOVA

Contact address

DOB: 03/01/1966
Citizenship: Russian

Department of Economics
European University at St. Petersburg
6/1A Gagarinskaya Street
St. Petersburg 191187
Russia

Facsimile: +7 (812) 386 76 32
Mobile: +7 (904) 550 03 45
E-mail: epolyakova@eu.spb.ru

Education & Qualifications

- 2007: D.Sc. in Engineering (Russian Scientific Degree “Doctor of Technical Sciences”)
- 2000 – 2003: MA in Economics, Department of Economics, European University at St. Petersburg
- 1995: PhD thesis deals with unsteady motion of a thin airfoil in incompressible subsonic flow (Russian Scientific Degree “Candidate of Science in Physics and Mathematics”)
- 1987 – 1992: PhD student, Department of Mathematics and Mechanics, St. Petersburg State University
- 1982 – 1987: Master’s course in Mechanics, Department of Mathematics and Mechanics, Leningrad State University, University (diploma with honors)

Professional Experience

- 2013 – present: Professor (2017, 2018 Deputy Dean), Department of Economics, European University at St. Petersburg
- 2012 – 2013: Associate Professor, Department of Economics, European University at St. Petersburg
- 2008 – 2012: Professor, Department of Economics, European University at St. Petersburg
- 2008 – 2017: Professor, since 2010 Head of the Department of Theoretical and Applied Mechanics, St. Petersburg State University of Technology and Design (since November 2015: St. Petersburg State University of Industrial Technologies and Design)
- 2003 – 2008: Associate Professor, Department of Economics, European University at St. Petersburg
- 1997 – 2008: Associate Professor, Department of Theoretical and Applied Mechanics, St. Petersburg State University of Technology and Design
- 1997 – 1999: Associate Professor, Department of Theoretical Mechanics and Ballistics, St. Petersburg Baltic Technical University
- 1995 – 1998: Programmer-engineer, Department of Technology and Design of Leather Products, St. Petersburg State University of Technology and Design
- 1995 – 1996: Assistant Professor, Department of Industrial Economics and Management, St. Petersburg State University of Economics and Finance

Teaching Experience (European University at St. Petersburg)

- Mathematics for Economists: Optimization
- Mathematics for Economists: Dynamics

- Industrial Organization
- Behavioral and Experimental Economics

Publications (selected)

Complete list of publications consists of **146** items

- Economic Risks and Covid-19 Pandemic. *III International Scientific and Practical Conference «Global Economy in the XXI century: the role of biotechnology and digital technology», May 15–16, 2020. Proceedings. In two volumes. Part 1.* Moscow : Convert Press, 2020, pp. 102 – 104.
- Pursuit of Happiness: the Role of Social Interactions. *II All-Russian Scientific and Practical Conference «Economy of Russia 2020. Theory and Practice», April 7, 2020. Proceedings.* Saratov : Academy of Business Press, 2020, pp. 27 – 31.
- Education as a factor of social mobility in models with heterogeneous agents and endogenous fertility (with V. Kipyatkova). *IX Moscow International Conference on Operations Research (ORM2018). Moscow, October 22–27, 2018. Proceedings. In two volumes.* Moscow : MAKS Press, 2018, pp. 191 – 194.
- Dynamics of Human Capital Distribution in Models with Endogenous Fertility (with V. Kipyatkova). *Proceedings of The third Conference dedicated to the memory of professor Ovsievich “Economic Mathematical Researches: mathematical models and information technologies”*, St. Petersburg, November 7 – 9, 2017, pp. 166 – 168.
- Educational Transmission in Group Socialization Processes with Heterogeneous Agents (with V. Kipyatkova). *VIII Moscow International Conference on Operations Research (ORM2016): Moscow, October 17–22, 2016: Proceedings: Vol. II. – Moscow, FRC CSC RAS Publishing, 2016.* pp. 92 – 95
- Modelling of Human Capital Reproduction Processes with Endogenous Fertility (with V. Kipyatkova). *Proceedings of 39-th international scientific school-seminar “System modeling of social-economic processes”*, St. Petersburg, September 30 – October 6, 2016.
- A New Approach to Happiness Function Formalization: the Role of Social Environment (with T. Hrendash). *Proceedings of 11th International Scientific Conference on Economic and Social Development - Building Resilient Society, Zagreb, Croatia, 2015*, pp. 425 – 435
- Cultural Transmission in Population Growth Models with Endogenous Fertility (with V. Kipyatkova). *Finance and Business*, 2015. V.4, pp.36 – 45
- Mathematical Modelling of Group Socialization Processes (with V. Kipyatkova). *Proceedings of VII International Scientific Conference “STATE and BUSINESS. Modern Problems of Economics”*, St. Petersburg, Russia, 2015. V.1, pp.23 – 27
- Group Socialization Processes in a Cultural Transmission Model with Heterogeneous Agents (with V. Kipyatkova). *Finance and Business*, 2014. V.4, pp.13 – 23
- The Effect of Social Pension System on Demography Processes and National Intellectual Potential (with A. Matveenکو). *Materiály X mezinárodní vědecko - praktická konference «Aktuální vymoženosti vědy - 2014», 27–30 června 2014 roku, Díl 2*, Ekonomické vědy Praha Publishing House «Education and Science» s.r.o, 2014. pp.40 – 45
- Mathematics for Economists: Dynamics. *St. Petersburg: EUSP*, 2013. 111 p.
- National Wealth Distribution in the Growth Model with an Endogenous Discount Rate. *Finance and Business*, 2012. V.4, pp.5 – 24.
- Modeling of Technology and Consumer’s Preferences Changes (with A. Matveenکو). *Proceedings of 35th Anniversary International Scientific School-Seminar “System Modeling of Social-Economic Processes”*, Kostroma, Russia, 2012. pp.137 – 141.
- Statistical modeling of technological changes and changes of consumer’s preferences. (with A. Matveenکو). *Proceedings of 8th International Symposium of Statistics.* Eskisehir, Turkey, Anadolu Universitesi Basimevi, 2012. pp. 268 – 270.
- Group Socialization Processes in a Cultural Transmission Model with Heterogeneous Agents (with V. Kipyatkova). *Finance and Business*, 2014. V.4, pp.13 – 23

- The Effect of Product Certification on High-Quality Goods Promotion (with D. Kaverin). *Finance and Business*, 2011. V.4, pp.188 – 199
- Applied problems of soft shells theory (with V. Chaikin). *St. Petersburg: SPGUTD*, 2009. 166 p.
- On the finite elements method for investigation of the interaction of soft shells with solids' surfaces (with V. Chaikin). *Proceedings of XXXV Summer School "Advanced problems in Mechanics 2007"*. St. Petersburg, 2007. pp. 85 – 92
- Applied problems of soft shells and fabrics mechanics (with V. Chaikin). *St. Petersburg: SPGUTD*, 2006. 193 p.
- Constitutive equations for soft shells with network microstructures (with V. Chaikin). *Proceedings of XXXIV Summer School "Advanced problems in Mechanics 2006"*. St. Petersburg, 2006. pp. 146 – 153
- On the problem of driving a soft shell along a surface of a rigid body enveloped by the shell. *Proceedings of the International Scientific Conference held on the occasion of the 55th anniversary of foundation of the Faculty of Mechanical Engineering of the VSB - Technical University of Ostrava, Czech Republic*, 2005. pp. 303 – 308.
- On the theory of constitutive equations for mediums with hereditary properties (with O. Zuev). *Proceedings of the International Scientific Conference held on the occasion of the 55th anniversary of foundation of the Faculty of Mechanical Engineering of the VSB - Technical University of Ostrava, Czech Republic*, 2005. pp. 409 – 414.
- The Model of Economic Growth with Endogenous Fertility (with O. Izmakova). *Vestnik of St. Petersburg State University of Technology and Design*, 2004. V.10, pp.27 – 32
- A mathematical model for hydroelastic problems with a fluid memory (with B. Ershov, Yu. Mochalova). *Journal "Asymptotic methods in mechanics"*. Center of mathematical researches of Montreal University, AMS, 1993. pp. 175 – 183

Conferences (selected)

- III International Scientific and Practical Conference «Global Economy in the XXI century: the role of biotechnology and digital technology», May 15 – 16, 2020
- II All-Russian Scientific and Practical Conference «Economy of Russia 2020. Theory and Practice», April 7, 2020
- XIII All-Russian Scientific Conference « Exhibition of Scientific Achievements », November 15 – 16, 2019
- XII All-Russian Scientific Conference « Exhibition of Scientific Achievements », November 16 – 17, 2018
- IX Moscow International Conference on Operations Research (ORM2018), Moscow, October 22 – 27, 2018
- The workshop on soft skills for teaching and research by William Thomson, St. Petersburg, May 14 – 18, 2018
- International Workshop “Social Interactions and Human Capital”, St. Petersburg, May, 2018
- International Economic Symposium – 2018, Saint-Petersburg, April 19 – 21, 2018
- XI All-Russian Scientific Conference « Exhibition of Scientific Achievements », November 17 – 18, 2017
- The third Conference dedicated to the memory of professor Ovsievich “Economic Mathematical Researches: mathematical models and information technologies”, St. Petersburg, November 7 – 9, 2017
- International Economic Symposium – 2017, St. Petersburg, April 20 – 22, 2017
- Spring School on Risk Management, Insurance and Finance at the Department of Economics of the European University at St. Petersburg, March 23 – 25, 2017
- VIII Moscow International Conference on Operations Research (ORM2016), Moscow, October 17 – 22, 2016
- System modeling of social-economic processes: 39-th international scientific school-seminar,

- St. Petersburg, September 30 – October 6, 2016
- 11th International Scientific Conference on Economic and Social Development - Building Resilient Society, Zagreb, Croatia, 17 – 18 December, 2015
 - VII International Scientific Conference “STATE and BUSINESS. Modern Problems of Economics”, St. Petersburg, Russia, 22 – 24 April, 2015
 - X mezinárodní vědecko - praktická konference “Aktuální vymoženosti vědy – 2014”, Praha, 27 – 30 června, 2014
 - International Conference On Mechanics and Ballistics “8th Okunev’s Readings”, St. Petersburg, Russia, 25 – 28 June, 2013
 - The Second Russian Economic Congress, Suzdal, Russia, 18 – 22 February, 2013
 - 8th International Symposium of Statistics. Anadolu University, Department of Statistics, Eskisehir, Turkey, October, 2012
 - 35th Anniversary International Scientific School-Seminar “System Modeling of Social-Economic Processes”, Kostroma, Russia, 18 – 23 September, 2012
 - International Conference “7th Okunev’s Readings”, St. Petersburg, Russia, 24 – 27 June, 2011
 - XXXVIII Summer School – Conference “Advanced Problems in Mechanics 2010”, St.Petersburg (Repino), Russia, July 1 – 5, 2010
 - 45th International Congress IFKT, Ljubljana, Slovenia, 27 – 29 May, 2010
 - XXXVI Summer School – Conference “Advanced Problems in Mechanics 2008”, St.Petersburg (Repino), Russia, July 6 – 10, 2008
 - International Conference “6th Okunev’s Readings”, St. Petersburg, Russia, 23 – 27 June, 2008
 - XXXV Summer School – Conference “Advanced Problems in Mechanics 2007”, St. Petersburg (Repino), Russia, June 20 – 28, 2007
 - XXXIV Summer School – Conference “Advanced Problems in Mechanics 2006”, St. Petersburg (Repino), Russia, June 25 – July 1, 2006
 - International Scientific Conference held on the occasion of the 55th anniversary of founding the Faculty of Mechanical Engineering of the VCB – Technical University of Ostrava, Ostrava, Czech Republic, September 7 – 9, 2005
 - XXXIII Summer School – Conference “Advanced Problems in Mechanics 2005”, St. Petersburg (Repino), Russia, June 25 – July 1, 2005
 - All-Russian Scientific and Technical Conference “Economic Problems and Progressive Technologies in Textile, Light and Printing Industries”, St. Petersburg, Russia, 2004
 - XXXII Summer School – Conference “Advanced Problems in Mechanics 2004”, St. Petersburg (Repino), Russia, June 24 – July 1, 2004
 - VIII All-Russian Conference “Fundamental Research in Technical Universities”, St. Petersburg, Russia, 26 – 27 May, 2004
 - V International Scientific and Technical Conference “Computer Modeling 2004”, St. Petersburg, Russia, 2004
 - Association for Studies in Public Economics (ASPE). Working Meeting: Economic growth of Russian Regions, February, 2003

Research Projects

- Research project “Procrastination: evidence and theory” (Department of Economics, European University at St. Petersburg), 2018 – 2019
- Scientific project “Microeconomic and probability-theoretic foundations of production functions and utility functions”, RFBR Grant 14-01-00448, 2014 – 2016
- Scientific project “Construction of Microeconomic and probability-theoretic foundations of production functions”, RFBR Grant 11-01-00878-a, 2011 – 2013
- Analytical Departmental Target Program «Development of Higher School Scientific Potential in 2009-2011 », Research Project № 2.1.2./3270 Leader, 2009-2011
- Scientific Program “Research Projects Carried out by Young Scientists”, Grant ГК 2006-ПИ-

- 19.0/001/582 of Federal Agency for Science and Innovation, 2006
- Federal Target Scientific and Technical Program “Research and Development in priority Scientific and Technical guidelines, 2002 – 2006”, Grant ПИ-111.0/003/158 of Federal Agency for Science and Innovation, 2005
 - Departmental Scientific Program «Development of Higher School Scientific Potential», Research Project № 49054, 2005
 - Scientific project “Resource-saving methods of cutting the genuine leather to shoe parts”, RFBR Grant, 2000

Skills & Activities

Languages

- English
- Russian (mother tongue)

IT Skills

- MS Office, LaTeX
- MATLAB, Maple, Python, Econometric Views
- Photoshop (certified)
- Cloud Computing Technologies in Education (certified)

Membership of professional societies

- Thesis Committee Δ 212.236.07 member (2017 – present)
- Thesis Committee Δ 212.236.06 member (2012 – 2017)
- Thesis Committee Δ 212.236.01 member (2012 – present)
- Thesis Committee Δ 212.236.02 member (2008 – 2017)
- Academic Secretary of Thesis Committee Δ 212.236.01 (2015 – 2017)
- Academic Secretary of Thesis Committee Δ 212.236.06 (2015 – 2017)
- American Mathematical Society (1994-1997)

Other Activities

- Academic Secretary of European University at St. Petersburg
- Supervisor for master's theses
- Member of entrance exams commission

Personal Interests

- Russian classic literature
- Mushrooming
- Swimming
- Skiing

References

Available on request

27.06.2020