Bakhodir A Ergashev

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EDUCATION

Washington University St. Louis, MO
Ph.D. in Economics, 2006
Washington University St. Louis, MO
M.A. in Economics, 2002
Steklov Institute of Mathematics of the Russian Academy of Sciences Moscow, Russia
Ph.D. in Mathematical Statistics, March 1992
Tashkent State University Tashkent, Uzbekistan
M.S. in Mathematics, 1986

EMPLOYMENT HISTORY

Federal Reserve Bank of Richmond
Lead Financial Economist, Supervision, Regulation and Credit Department, May 2011 – present
Senior Financial Economist, Supervision, Regulation and Credit Department, January 2010-May 2011
Financial Economist, Supervision and Regulation Department July 2006 – Dec. 2009
Center for Economic Research, Tashkent, Uzbekistan
Statistical Research Coordinator 1996 – 2000
University of World Economy and Diplomacy, Tashkent, Uzbekistan
Associate Professor 1994- 2000

DISSERTATIONS

1. *"Essays on the Yield Curve Modeling."* Unpublished PhD dissertation in economics, Department of Economics, Washington University, MO, USA. http://gradworks.umi.com/32/38/3238647.html
2. *"Some problems of the Sequential Statistical Analysis related to detecting a change point"*. Unpublished PhD dissertation in mathematical statistics. Steklov Institute of Mathematics of the Russian Academy of Sciences, Moscow, Russia, 1992 (Russian)

SELECTED ACADEMIC PUBLICATIONS

1. *A Theoretical Framework for Incorporating Scenarios into Operational Risk Modeling,"* Journal of Financial Services Research, March, pp. 1- 17, 2011. http://www.springerlink.com/content/jv2w62503468663m/
2. *"Analysis of Multi-Factor Affine Yield Curve Models,"* Journal of the American Statistical Association, December 2009, Vol. 104, No. 488: 1324–1337 (with Siddhartha Chib). http://pubs.amstat.org/doi/abs/10.1198/jasa.2009.ap08029

3. *"Estimating the lognormal-gamma model of operational risk using the Markov chain Monte Carlo method,"* The Journal of Operational Risk, V.4, Number 1, 35-57, 2009. http://www.journalofoperationalrisk.com/public/showPage.html?page=jop_past_archive
4. *"Should risk managers rely on maximum likelihood estimation method while quantifying operational risk?"* The Journal of Operational Risk, V.3, Number 2, pp 63-86, 2008. http://www.journalofoperationalrisk.com/public/showPage.html?page=jop_past_archive
5. *"Limit theorems for the first passage time of an autoregression process over a level."* Proceedings of Steklov Institute of Mathematics. V. 202, Issue 4, 1994, pp. 169-186. Providence, R.I.: American Mathematical Society (with Alexander Novikov)
6. *"An analytical approach to the calculation of moving average characteristics."* Statistical Problems of Control, Issue 83, pp. 110-114, 1988 (with Alexander Novikov)
7. *"Asymptotic independence of some functionals of the trajectory of a process with independent increments."* Asymptotic Methods in Probability and Mathematical Statistics. 1988, 208-216.

WORKING PAPERS

1. *"Worst-case Scenarios as a Stress Testing Tool for Risk Models"* (with Azamat Abdymomunov and Sharon Blei), submitted for a publication.
2. *"The Bayesian Approach to Extreme Value Estimation in Operational Risk Modeling"* (with Evangelos Sekeris and Stefan Mittnik).
3. *"Operational Risk - Modeling the Extreme"* (with Paul Embrechts et al.). http://niss.org/sites/default/files/OCC-NISS_Operational%20Risk_White_Paper_(d).pdf

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PRESENTATIONS/INTERVIEWS

Invited presenter, ABA Operational Risk Modeling Forum, Charlotte NC, August 10-11, 2011
Instructor, "360° Financial Risk Management – Best Practices in Credit, Market & Operational Risk," an Incisive Media training course, New York, NY, June 2011
Invited talk at the FY2011 Seminar Series, Risk Analysis Division, the Office of the Comptroller of Currency, Washington, DC, September 7, 2010
Interview with RISK MAGAZINE, "An Operational Model," pages 77-79, November 04, 2009
Panel discussant at the International Conference "OpRiskUSA 2010," March 2010
Invited talk at Stan Uryasev's Quantitative Finance Seminar, Fall 2009
Invited talk for Quantitative Analysis Unit, Federal Reserve Bank of Boston, Spring 2009

TEACHING EXPERIENCE

Introduction to political economy: Microeconomics – summer 2003, Washington University
Introduction to political economy: Macroeconomics – summer 2002, Washington University
Macroeconomic Statistics, 1997-1999, University of World Economy and Diplomacy, Uzbekistan
Business Statistics, 1994-1997, University of World Economy and Diplomacy, Uzbekistan
Introductory Mathematical Statistics - spring 1991, Department of Computational Mathematics, Moscow State University, Moscow, Russia

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AWARDS/GRANTS/FELLOWSHIPS

University Fellowship, Washington University (2001-2003)
University Scholarship, Washington University (2000-2001)
IREX's Regional Exchange Program, Dept. of Statistics and Actuarial Science, University of Iowa, Iowa City, IO, August – November 1996
USIA's Fulbright Foreign Scholarship Program, College of Commerce and Business Administration, The University of Alabama, AL, January – May 1994
Two-time Champion (first place), Uzbek National High-school Mathematical Olympiads, 1980-81.