

SHABNAM MOUSAVI

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EDUCATION

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

August 2008 **Post Doctrate, Department of Finance**

Blacksburg, VA

- **The AACSB-Endorsed Post-Doctoral Bridge to Business Program:**
320 hours of exposure to the graduate curriculum, including investments, corporate finance, international finance, research methodology, and one week of pedagogical training for teaching at business schools.

Details available at: <http://www.aqbridge.pamplin.vt.edu/>

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

May 2006 **Ph.D., Department of Statistics**

Blacksburg, VA

- **Dissertation:** “A Log-Likelihood Based CUSUM Control Chart for Monitoring Proportions with Correlated Observations” – Modeling autocorrelated data as Markov chain processes involves an exponential increase in parameters associated with the order of dependence. This work presents a simplifying idea that considerably reduces the number of required parameters, then uses this innovative structure to construct and estimate efficient CUSUM control schemes.

Advisor: Marion R. Reynolds, Jr.

Available online at:

<http://scholar.lib.vt.edu/theses/available/etd-02182006-145606/>

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Dec 2002 **Ph.D., Department of Economics**

Blacksburg, VA

- **Dissertation:** “Methodological Foundations for Bounded Rationality as a Primary Framework” – Delving into philosophical and logical requirements for developing an axiomatic framework for actual observed human choice behavior; Promoting an ontic notion of uncertainty and revisiting the necessity of imposing consistency at every level of a behavioral theory.

Advisor: T. Nicolaus Tideman

Available online at:

<http://scholar.lib.vt.edu/theses/available/etd-12222002-183717/>

ACADEMIC POSITIONS

GEORGIA STATE UNIVERSITY, DEPARTMENT OF FINANCE

Atlanta, GA

2008 – 2009

Visiting Research Scholar and Assistant Prof.

MAX PLANCK INSTITUTE FOR HUMAN DEVELOPMENT, CENTER FOR ADAPTIVE BEHAVIOR AND COGNITION

Berlin, Germany

2007 – present

Research Scholar – Ongoing collaboration and extended visits

PENNSYLVANIA STATE UNIVERSITY, DEPARTMENT OF STATISTICS University Park, PA
 July 2005 – June 2008 Research Associate and Assistant Professor

ROANOKE COLLEGE, BUSINESS ADMINISTRATION AND ECONOMICS Salem, VA
 2004 – 2005 Visiting Assistant Professor

RESEARCH INTERESTS

In Finance and Economics: Decision-Making; Modeling and Axiomatization of Bounded Rationality; Managerial and Market Irrationalities; Capital Budgeting Puzzle.

In Statistics: Markov Chain Models; Statistical Process Control; Subjective Probability.

Interdisciplinary: Modeling Choice Behavior; Nature of Uncertainty; Wisdom as a Meta-Heuristic; Characterizing Known and Unknown; Less-is-More Phenomena.

COURSES TAUGHT AND COTAUGHT AS PRIMARY INSTRUCTOR

- Graduate Statistical Consulting Practicum I and II
- Problem Solving and Communication in Applied Statistics
- Statistics for Social Sciences
- Elementary Statistics
- Marketing Management
- International Marketing
- Consumer Behavior
- Promotion Management
- Principles of Economics (Macroeconomics and Microeconomics)

PUBLICATIONS

- Mousavi, Shabnam; Gigerenzer, Gerd (2009) "An 'error view' of Individual decision making biases," Invited chapter to appear in Hofmann, D. A. & Frese, M. (Eds.), *Errors in Organizations*. Society for Industrial and Organizational Psychology (SIOP) Frontiers Series Book. Psychology Press, Taylor and Francis. 2009.
- Fraker, Shannon E.; Woodall, William H.; Mousavi, Shabnam (October 2008). "Performance Metrics for Surveillance Schemes," *Quality Engineering* 20 (4), 451 – 464.
- Kheirandish, Reza (2008) "Towards Formalizing the Observed Behavior of Choice," *Proceedings of the Southeast Decision Science Institute*. http://www.sedsi.org/2008_Proceedings/proc/p070925001.pdf.
- Barton, Adrien; Mousavi, Shabnam; Stevens, Jeff R. (2007). "A Statistical Taxonomy and Another "Chance" for Natural Frequencies," *Behavioral and Brain Sciences* 30, 255-6.
- Haller, Hans H.; Mousavi, Shabnam (2007). "Uncertainty Improves the Second Best," in M. Abdellaoui, M.; Luce, R.; Machina, M. J.; Munier, B. (Eds.), *Uncertainty and Risk: Mental, Formal, Experimental Representations*, 85-100.
- Mousavi, Shabnam; Reynolds, Marion R., Jr. (2006) "A Log-Likelihood-Ratio Based CUSUM Control Chart for Monitoring Markov Dependent Binary Observations," *Papers and*

Proceedings, 5th Annual Hawaii International Conference on Statistics, Mathematics, and Related Fields. Honolulu, Hawaii.

- Hewett, Roger; Holt, Charles A.; Kosmopoulou, Georgia; Kymn, Christine; Long, Cheryl X.; Mousavi, Shabnam; Sarangi, Sudipta (2005). "A Classroom Exercise: Voting by Ballots and Feet," *Southern Economics Journal* 72(1), 253-263.
- Mousavi, Shabnam (2003). "Rationality, Bounded Rationality, and Actual Decision Making," *Papers and Proceedings, 23rd Annual Conference of Society for the Advancement of Behavioral Economics*, July 2003.
- Mousavi, Shabnam; Garrison, Jim (2003). "Toward a Transactional Theory of Decision Making: Creative Rationality as Functional Coordination in Context," *Journal of Economic Methodology* 2003, 10(2), 131-156.
- Kheirandish, Reza; Mousavi, Shabnam (2000). "Household Welfare and Income Distribution, Poverty Line, and Characteristics of the Poor Families 1989-1996," In Mohammad Tabibian (Ed), *Poverty and Income Distribution in Iran*, Institute for Research in Planning and Development IRPD), Tehran, Iran.
- Mousavi, Shabnam; Kheirandish, Reza (1997). "Role of Rural Women in Development in Korea, Indonesia, and Bangladesh: A Comparative Study," with Reza Kheirandish, *Papers and Proceedings, Conference on Rural Women and Development*, Tehran, Iran, July 1997.

WORK IN PROGRESS

- "A CUSUM Chart for Monitoring a Proportion with Autocorrelated Binary Observations," with Marion R. Reynolds, Department of Statistics, VT. Resubmitted to the *Journal of Quality Technology*.
- "A Generalized Approach to Monitoring Markov Dependent Binary Observations," with Marion R. Reynolds, Department of Statistics, VT.
- "The 'Fast and Frugal' Exit from the 'Repair program'," with Gerd Gigerenzer, Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development.
- "The Role of Goal Specification in Modeling Choice Behavior," with Jim Garrison, Department of Education, VT.

SELECTED PRINCIPAL PROFESSIONAL ACTIVITIES

ORGANIZATION OF CONFERENCE AND CONFERENCE SESSIONS

- *The Science of Heuristics: Methodology and Scope*, XXIX International Congress of Psychology, Berlin, GERMANY, July 2008.
- *Scientific Advisor for the Organization Team*. Summer Institute for Bounded Rationality in Psychology and Economics. Max Planck Institute for Human Development Berlin. July 2008.
- *Rationality and Mathematical Logic*, Society for the Advancement of Behavioral Economics, Lake Tahoe, NV, U.S.A., July 2003.

INVITED TALKS AND SHORT VISITS

- “Uncertainty Improves Second Best,” and “An Introduction to Fast and Frugal Heuristics,” *Department of Finance*, Santa Clara University, Santa Clara, CA, U.S.A., January 2008.
- “Ecological Rationality in Individual and Collective Decision Making,” *Interdisciplinary Center for Economic Science (ICES)*, George Mason University, Arlington, VA, U.S.A., November 2007.
- “Emotions, Heuristics, and Conceptions,” *Workshop on the Role of Emotion in Social and Neuro-Science Studies*, Interuniversity Center (IUC), Dubrovnik, CROATIA, May 2007.
- “An Outside the Box Approach to Bounded Rationality,” *60th International Atlantic Economic Conference (IAES)*, New York, NY, U.S.A., October 2005.
- “Toward a Transactional Theory of Decision Making: Creative Rationality as Functional Coordination in Context,” *International Network of Economic Methodology, Allied Social Science Associations Annual Meetings (ASSA-INEM)*, Atlanta, GA, U.S.A., January 2002.

CONTRIBUTED TALKS AND PRESENTATIONS

- “Uncertainty Improves the Second Best,” and “The ABC of Heuristics,” *International Max Planck Research School of Uncertainty*, Yena, GERMANY, August 2007.
- “The Role of Irrational Certainty in Securing and Maintaining Social Order,” *1st World Meeting of the Public Choice Society*, Amsterdam, NETHERLANDS, March 2007.
- “Why Add a Process Rule to Simon’s Scissors?” *The Society for Advancement of Behavioral Economics (SABE), Allied Social Science Associations Annual Meetings*, Chicago, IL, U.S.A., January 2007.
- “A CUSUM Control Chart for Correlated Binary Data,” *The Institute for Operations Research and Management Sciences (INFORMS) Annual Meeting*, San Francisco, CA, U.S.A., November 2005.
- “How to Develop Bounded Rationality as a Primary Framework,” *Society for Judgment and Decision Making (SJDM)*, Minneapolis, MN, U.S.A., November 2004.
- “Rationality, Bounded Rationality, and Actual Decision Making,” *Society for the Advancement of Behavioral Economics (SABE)*, Lake Tahoe, NV, U.S.A., July 2003.
- “Theory of Choice vs. Theory of Inquiry: Can John Dewey Solve a Puzzle?” *2nd Annual Symposium on the Foundations of the Behavioral Sciences: Behavioral Economics and Neoclassical*, American Institute for Economic Research- Behavioral Research Council (AIER- BRC), Great Barrington, MA, U.S.A., July 2002.

WORKSHOPS ATTENDED

- ***The Summer Institute on Bounded Rationality:*** Max Planck Institute for Human Development, Center for Adaptive Behavior and Cognition, Berlin, GERMANY, August 2006.
- ***Discrete Choice Analysis and Individual Behavior:*** Massachusetts Institute of Technology, Professional Institute, Cambridge, MA, U.S.A., June 2006.
- ***American Pragmatism—Dewey and Bentley Transactional Epistemology:*** American Institute for Economic Research, Council for Behavioral Research, Great Barrington, MA, U.S.A., May 2002.
- ***Public Choice Outreach Conference:*** George Mason University, Department of Economics, Fairfax, VA, U.S.A., May-June 2002.
- ***NSF Sponsored Workshop on Classroom Experiments in Economics:*** College of William and Mary, Williamstown, VA, U.S.A., May 2002.
- ***Experimental Methods in Economics:*** The Interdisciplinary Center for Economic Science (ICES) at George Mason University, U.S.A., August 2001.
- ***Summer Fellowship Program:*** American Institute for Economic Research, Great Barrington, MA, U.S.A., June- July 2000 and 2001.

EDITORIAL AND REVIEW

- ***Reviewer: Revue de Philosophie Economique.*** Started in 2007.
- ***Editorial Board Member: Journal of Socio-Economics.*** Started in 2008.
- ***Reviewer: Applied Stochastic Models in Business and Industry.*** Started in 2008.

REPRESENTATIVE HONORS AND AWARDS

- ***Award Winner,*** University of Chicago, Defining Wisdom Project. Two-year grant (\$50,000) starting October 2008.
- ***Research Fellowship,*** (in-absentia award) American Institute for Economic Research, Great Barrington, MA, U.S.A.. 2000 (\$8,100) -2001(\$10,000).
- ***Young Professional Program Candidate,*** United Nations Educational, Scientific and Cultural Organization (UNESCO), Paris, FRANCE, October 1997.

PROFESSIONAL MEMBERSHIPS

- American Statistical Association
- American Economic Association
- Brain and Behavioral Science Associate
- Economic Science Association
- International Atlantic Economic Society
- Mu Sigma Rho, National Statistics Honor Society
- The Institute for Operations Research and Management Science