Betsy S. Greenberg
Management Science and Information Systems
The University of Texas at Austin
Austin, Texas 78712-1175
(512) 471-1756

EDUCATION

University of California, Berkeley, California
Ph.D.1986, Industrial Engineering and Operations Research
M.S. 1981, Industrial Engineering and Operations Research

Brown University, Providence, Rhode Island
Sc.B. 1978, Electrical Engineering,

WORK EXPERIENCE

University of Texas, Austin, Texas
Associate Professor, 1992 - present
Assistant Professor, 1986 - 1992

University of California, Berkeley, California
Instructor, 1984-1985
Teaching Associate, 1983-1985

Bell Laboratories, West Long Branch, New Jersey
Member of the Technical Staff, 1982

The MITRE Corporation, Bedford, Massachusetts
Member of the Technical Staff, 1978 - 1981

PUBLICATIONS

Journals:

Jones, N., Taub-Montemayor, T. Greenberg, B, Rankin, M.A.. 2010 " Consequences of Long Duration Flight Experience on Survivorship and Immune Related Proteins in Migratory Grashoppers, Melanoplus sanguinipes." Submitted for possible publication in *Physiological Entomologyfrom biochemistry to behaviour.*

Ding, J., Greenberg, B.S., and Matsuo, H. 2010 "Repetitive Testing of Multiple Products with Limited Capacity." *International Journal of Quality and Reliability Management*, **27**, 247-264.

Greenberg, B.S. and L.S. Lasdon. 2006 "Using Global Optimization to Estimate Population Class Sizes." *Journal of Global Optimization*, **36**, 319-338.

Sun, L. and B. S. Greenberg. 2006. "Optimization-Based Priority Synthesis From Pairwise Comparisons In Multicriteria Group Decision-Making." *Journal of Optimization Theory and Applications*, **130**, 317-339.

Anderson, M. T, B. S. Greenberg, and S. L. Stokes. 2001. "Acceptance Sampling with Rectification when Classification Errors are Present." *Journal of Quality Technology*, **33**, 493-505.

Sun, D.L. and B. S. Greenberg. 2000. "Dynamic Response of Linear Systems to Moving Stochastic Sources." *Journal of Sound and Vibration*, **229**, 957-972.

Ding, J., B. S. Greenberg, and H. Matsuo. 1998. "Repetitive Testing Strategies when the Testing Process in Imperfect."*Management Science*, **44**, 1367-1378.

Greenberg, B. S. and S. L. Stokes. 1995. "Repetitive Testing in the Presence of Inspection Errors." *Technometrics*, **37**, 102-111.

Hong, S. N., M. V. Mannino, and B. S. Greenberg. 1994. "Measurement Theoretic Representation of Large, Diverse Model Bases - The unified modeling language Lu." *Decision Support Systems*, **10**, 319-340.

Goh, C-H., B. S. Greenberg, and H. Matsuo. 1993. "Two-Stage Perishable Inventory Models." *Management Science*, **39**, 633-649.

Goh, C-H., B. S. Greenberg, and H. Matsuo. 1993. "Perishable Inventory Systems with Batch Demand and Arrivals." *Operations Research Letters*, **13**, 1-8.

Greenberg, B. S. and S. L. Stokes. 1992. "Estimating Nonconformance Rates after Zero-Defect Sampling with Rectification." *Technometrics*, **34**, 203-213.

Ding, J. and B. S. Greenberg. 1991. "Optimal Order for Servers in Series with No Queue Capacity." *Probability in the Informational and Engineering Sciences*, **5**, 449-461.

Ding, J. and B. S. Greenberg. 1991. "Bowl Shapes are Better with Buffers - Sometimes." *Probability in the Informational and Engineering Sciences*, **5**, 159-169.

Greenberg, B. S. and S. L. Stokes. 1990. "Developing an Optimal Call Scheduling Strategy for a Telephone Survey." *Journal of Official Statistics*, **6**, 421-435.

Mannino, M. V., B. S. Greenberg, and S. N. Hong. 1990. "Model Libraries: Knowledge Representation and Reasoning." *ORSA Journal on Computing*, **2**, 287-301.

Greenberg, B. S. 1989. "M/G/1 Queueing Systems with Returning Customers." *Journal of Applied Probability*, **26**, 152-163.

Greenberg, B. S. and R. W. Wolff. 1988. "The Optimal Order for Queues in Tandem When Traffic is Light." *Management Science*, **34**, 500-508.

Greenberg, B. S., R. C. Leachman, and R. W. Wolff. 1988. "Predicting Dispatching Delays on a Low Speed, Single Track Railroad." *Transportation Science*, **22**, 31-38.

Greenberg, B. S. and R. W. Wolff. 1987. "An Upper Bound on the Performance of Queues with Returning Customers." *Journal of Applied Probability*, **24**, 466-475.

Greenberg, B. S. 1987. "On Niu's Conjecture for Tandem Queues." *Advances in Applied Probability*, **19**, 751-753.

Proceedings:

J. Ding, Greenberg, B.S., Matsuo, H. 2008. "Repetitive Testing of Multiple Products" *Proceedings of the 3rd World Conference on Production and Operations Management*, Tokyo.

B. Greenberg. 2003. "Using Global Optimization to Estimate Disclosure Risk." *Proceedings for the 2003 Joint Statistical Meetings (Government Statistics Section).*

A. Tremblay, Stokes, S. L. and B. S. Greenberg. 1991. "Estimation of PES Fabrications from Quality Control." *Proceedings for the 1991 Joint Statistical Meetings (Survey Research Section)*.

Hong, S. N, M. V. Mannino, B. S. Greenberg. 1990. "Inheritance and Instantiation in Model Management." *Proceedings of the 23rd Annual Hawaii International Conference on Systems Sciences*, Vol III, 424-432.

Stokes, S. L. and B. S. Greenberg. 1990. "A Priority System to Improve Callback Success in Telephone Surveys." *Proceedings for the 1990 Joint Statistical Meetings (Survey Research Section)*, 742-747.

Mannino, M. V., B. S. Greenberg, and S. N. Hong. 1988. "Knowledge Representation for Model Libraries." *Proceedings of the 21st Annual Hawaii International Conference on Systems Sciences*, Vol III, 349-355.

Books:

Greenberg, B.S. 2009. *Excel Manual for Moore, McCabe, Duckworth, and Alwan's The Practice of Business Statistics*, W. H. Freeman and Company.

Greenberg, B.S. 2006. *Minitab Manual for Moore's The Basic Practice of Statistics*, W. H. Freeman and Company.

Greenberg, B.S and P Chitturi.. 2003. *Minitab Manual for Moore, McCabe, Duckworth, and Sclove's The Practice of Business Statistics*, W. H. Freeman and Company.

Greenberg, B. S. 1999. *Minitab Guide for Moore's The Basic Practice of Statistics, 2nd Edition*, W. H. Freeman and Company.

Greenberg, B. S. 1995. *Minitab Guide for Moore's The Basic Practice of Statistics*, W. H. Freeman and Company.

Greenberg, B. S. and Serva, M. A. 1993. *Minitab Guide to Accompany Introduction to the Practice of Statistics, Second Edition*, W. H. Freeman and Company.

Book Chapter:

Greenberg, Betsy S. 2008. "Attributes Sampling under Classification Error" *Encyclopedia of Statistics in Quality and Reliability.* Ed. Ruggeri, F., Kennet, R.S., Faltin, F. W. John Wiley & Sons.

PROFESSIONAL ACTIVITIES

Member: American Statistical Association, American Association of University Women

Associate Editor: *Journal of Official Statistics*, 2002 - present

Referee: *American Statistician, Annals of Applied Probability, Decision Support Systems, Discrete Event Dynamical Systems, European Journal of Operational Research, Hawaii International Conference on Systems Sciences, IEEE Transactions on Information Theory, IIE Transactions, INFOR, Information Systems and Operational Research, International Conference on Information Systems, Journal of Applied Probability, Journal of Discrete Event Dynamic Systems, Journal of Official Statistics, Journal of Operations Management, Management Science, Mathematics Magazine, Naval Research Logistics, Operations Research, Operations Research Letters, Probability in the Engineering and Informational Sciences, Statistical Science, Stochastic Models, Transportation Research Record, and Transportation Science.*

Service:

UT Business Productivity Committee on Parking - 2013

UT Strategic IT Accountability Board. 2011-12

Canvas LMS Evaluation Steering Committee. 2012-2013

Faculty Fellows Program Committee. 2012-2013

Member of the UT Information Technology Committee. Fall 2009 – present, Vice-chair 2010-11, Chair 2011-12, Vice-chair 2012-13

UT Parking and Traffic Policies Committee. Fall 2009 – present, Vice-chair 2009-10, Chair 2010-12.

Member of McCombs School of Business Hall of Fame Committee. 2008- 2012

Member of the University Blackboard Task Force. 2008-2010

Member Course & Learning Management System Evaluation Steering Committee, RFQ and RFP Committees 2011

UT Next Committee, 2002 – 2004

Organizing committees: 2001 Texas Women Faculty Forum, 1997 INFORMS Fall Meeting, 1991 Conference of Texas Statisticians

Treasurer, Austin Chapter - American Statistical Association, 1993-1995

Faculty Senate and University Council, 1991-93

Faculty Women's Organization Steering Committee, 1998 – present

Consulting:

Children's Hospital of Austin, City of Austin, Baker and Botts LLP, Austin Logistics, Inc., Q Investments, L.P., Foster & Malish, L.L.P., Motion Computing