Garland Bennett Durham

Personal

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Research interests

Econometrics, Financial Econometrics, Asset Pricing, Option Pricing

Education

Ph.D. in Economics, University of North Carolina, May 2001.

M.S. in Mathematics, University of Illinois, May 1985.

B.S. in Mathematics, University of Kentucky, May 1983.

Employment

Assistant Professor, Leeds School of Business, University of Colorado at Boulder, August 2004 – present.

Assistant Professor, University of Iowa, August 2001 – May 2004.

Research Assistant to Ronald Gallant, University of North Carolina, August 1996 – June 2001.

Development of Future Studies Database at *Hamburg Weltwirtschaftsarchiven* (Hamburg International Economics Research Institute), Hamburg, Germany and OECD, Paris, France, January 1990 – December 1994.

Visiting Instructor of Mathematics at Knox College, Salisbury State College, and Worcester Polytechnical Instititute, August 1986 – June 1989.

Publications

"SV mixture models with application to S&P 500 index returns," *Journal of Financial Economics* 85 (2007), 822-856.

"Monte Carlo Methods for Estimating, Smoothing, and Filtering One- and Two-Factor Stochastic Volatility Models," *Journal of Econometrics* 133 (2006), 273-305.

Comment on "Iterative and Recursive Estimation in Structural Non-Adaptive Models" by S. Pastorello, V. Patilea and E. Renault (with J. Geweke), *Journal of Business and Economic Statistics* 21 (2003), 490.

"Likelihood-based Specification Analysis of Continuous-Time Models of the Short-Term Interest Rate", *Journal of Financial Economics* 70 (2003), 463-487.

"Numerical Techniques for Maximum Likelihood Estimation of Continuous-Time Diffusion Processes" (with Ronald Gallant), *Journal of Business and Economic Statistics* 20 (2002), 279-316

Solution Manual for *An Introduction to Econometric Theory* by Ronald Gallant, 1998.

Working papers

"Risk-neutral modeling with affine and non-affine models," 2007.

"Local Likelihood Estimation of Continuous-Time Processes," 2000.

Dissertation

"Likelihood-Based Estimation Techniques for Continuous-Time Diffusion Processes and Applications to Finance."

Presentations

Front Range Finance Seminar, Sept 2005

North Carolina A&T Univerity, March 2005

North American Summer Meetings of the Econometric Society, May 2004

University of Iowa, February 2004

University of Colorado, February 2004

CIRANO, March 2002

Joint Statistical Meetings, JBES invited paper, August 2001

North American Summer Meetings of the Econometric Society, June 2001

University of Western Ontario, February 2001

University of Iowa, February 2001

Washington University, February 2001

Penn State, January 2001

Rutgers University, January 2001

University of Pennsylvania, September 2000

NBER Summer Institute, July 2000

Awards

Old Gold Summer Fellowship, University of Iowa, 2002

Summer Research Grant, College of Business, University of Iowa, 2003

Professional activities

Referee for *Journal of Real Estate Economics*, *Journal of Econometrics*, *Review of Economics and Statistics*, *Computational Statistics and Data Analysis*, *National Science Foundation*, *Journal of the Royal Statistical Society, Series B*, *Journal of Applied Econometrics*, *Journal of Computational and Graphical Statistics*, *Journal of Empirical Finance. Journal of Business and Economic Statistics*, *Journal of Financial Econometrics*, *Scandinavian Journal of Statistics*, *Annals of Operations Research*, *Journal of Forecasting.*

Courses taught

Corporate Finance (undergraduate)

Applied Econometrics (graduate)

Statistics for Strategy (undergraduate)

Dissertation committees

George Chang, 2002

Zhe Zhang, 2003

Guojin Gong, 2004

Moonsoo Kang, 2007

Anwar Alazmi, 2007