

ROBERT E. WHALEY

Office Address:

The Owen Graduate School of Management
Vanderbilt University
Nashville, TN 37203
Phone: 615-343-7747
Fax: 615-376-8879
E-mail: whaley@vanderbilt.edu

Home Address:

30 Park Meadows
Nashville, TN 37215
Phone: 615-376-1138

Current Positions:

Valere Blair Potter Professor of Management and
Co-Director, Financial Markets Research Center
The Owen Graduate School of Management
Vanderbilt University

Education:

Ph.D., University of Toronto, December 1978
M.B.A., University of Toronto, May 1976
B.Com., University of Alberta, May 1975

Awards, Distinctions, and Research Grants:

OGSM Faculty Research Impact Award 2007
Foundation for Managed Derivatives Research Grant, 2006-7
Bernstein Fabozzi/Jacobs Levy Award for Outstanding Article published in *Journal of Portfolio Management* during the volume year 1999-2000
International Advisory Board member, University Centre for Financial Engineering,
National University of Singapore, 1999-present
E. Yetton Award for Best Paper in *Australian Journal of Management*, 1997
EOE Prize, Institute for Quantitative Investment Research–Europe, 1995
Director, American Finance Association, 1995-1999
Director, Western Finance Association, 1994-1997
FSB Quasi Endowment Income Fund, 1993
Earl M. Combs, Jr. Award, 1993
Business Associates' Fund Research Grant, 1992
CBOT Award for Best Paper on Futures, Western Finance Association, 1992
NCNB Faculty Award Winner, 1991
Isle Maligne Fund Research Grant, 1991
NCNB Faculty Award Nominee, 1990
Business Associates' Fund Research Grant, 1990
CBOE/AMEX Research Grant, 1989-90
NCNB Faculty Award Nominee, 1989
CSI Award for Best Paper in Investments, Northern Finance Association, 1989
American Finance Association Nominating Committee, 1989
Business Associates' Fund Research Grant, 1989
Richard and Hinda Rosenthal Foundation Award, 1989
Research Foundation Grant, The Institute of Chartered Financial Analysts, 1988-89
NCNB Faculty Award Nominee, 1988
Unisys Fund Research Grant, 1988
Graham and Dodd Scroll, 1987

CBOE/CBOT/CME Research Grant, 1987
 Unisys Fund Research Grant, 1987
 Graham and Dodd Scroll, 1986
 J.D. Muir Research Fund Grant, 1985
 Finance Research Foundation of Canada Grant, 1984-85
 American Enterprise Institute for Public Policy Grant, 1983-85
 Small Business Administration Grant, 1983-84
 Dean's Fund for Faculty Research Grant, 1983
 Vanderbilt University Research Council Grant, 1982-84
 Dean's Fund for Faculty Research Grant, 1982
 Institute for Quantitative Research in Finance Grant, 1981-82
 Dean's Fund for Faculty Research Grant, 1981
 Dean's Fund for Faculty Research Grant, 1980
 Vanderbilt University Research Council Grant, 1979-80
 Dean's Fund for Faculty Research Grant, 1979
 Social Sciences and Humanities Research Council of Canada Doctoral Fellowship, 1978
 Canada Council Doctoral Fellowship, 1977-78
 Wood Gundy Doctoral Fellowship, 1976-77
 University of Toronto Masters' Fellowship, 1975-76

Academic and Other Professional Work Experience:

Vanderbilt University, Owen Graduate School of Management, Nashville, TN

2006-Present: Valere Blair Potter Professor of Management (finance) and Co-Director of the Financial Markets Research Center

- Teaches daytime MBA course in:
 - Derivatives Markets
 - Bond Markets (formerly Fixed Income)
 - Equities Markets
- School: Committee service includes:
 - Building Task Force 2007-2008 (Chairman); 2008-2009
 - Curriculum Committee 2006-2007; 2007-2008 (Chairman)
 - Distance Education Committee 2006-2008 (Chairman)
 - Entertainment/Digital Media MBA Evaluation Committee 2006-2007
 - Accounting Recruiting Committee 2006-2007
 - Finance Recruiting Committee 2006-2008 (Chairman)
 - Senior Marketing Recruiting Committee 2006-2007
 - Executive Committee 2006-2008

Duke University, Fuqua School of Business, Durham, NC

1993-2006: T. Austin Finch Foundation Professor of Business Administration

1989-1993: Professor of Finance with tenure

1986-1989: Associate Professor of Finance with tenure

- Served as Area Coordinator, Finance, 1986-1992, 1993-1994.
- Taught daytime, evening, and weekend MBA courses in:
 - Financial Management
 - Investment Management
 - Derivatives
 - Advanced Derivatives
 - Fixed Income Securities and Risk Management
- Supervised independent study programs in finance.
- Supervised Finance Ph.D. program, 1986-1988.
- School: Committee service includes:
 - Accounting Recruiting
 - Curriculum

- Distinguished Professors Committee (Chairman)
- International Business
- L. Palmer Fox Chair Accounting Search (Chairman)
- Strategy
- Measurement Task Force
- Curriculum Task Force
- Various ad hoc appointment, promotion, and tenure committees
- University: Committee service includes:
 - Advisory Committee on Distinguished Professorships 1993-98 (Chairman 1997-1998), 2005-6.
 - Appointments, Promotion, and Tenure Advisory Committee 1999-2002
 - University Priorities Committee 2003-6
 - Budget and Finance Subcommittee 2003-6
 - Dean Search Committee
 - Faculty Council

University of Chicago, Graduate School of Business, Chicago, IL

1997: Visiting Professor of Finance

1992: Visiting Professor of Finance

1985-86: Visiting Associate Professor of Finance

- Taught MBA courses in Corporation Finance, Investments, and Financial Instruments.

University of Alberta, School of Business, Edmonton, Alberta, Canada

1985-86: Associate Professor of Finance (on leave)

1984-85: Associate Professor with tenure and Director, Institute for Financial Research

- Taught MBA courses in Managerial Finance and Risk Management; and undergraduate courses in Business Finance and Risk Management.

Vanderbilt University, Owen Graduate School of Management, Nashville, TN

1983-84: Associate Professor of Management with tenure

1982-83: Assistant Professor (on leave)

1978-82: Assistant Professor

- Taught MBA courses in Managerial Finance, Securities Analysis, Capital Market Theory, and Forecasting; Executive MBA courses in Managerial Finance and Investments; undergraduate course in Business Finance; and independent study and integrative applied project programs in Finance and Quantitative Methods.
- School: Served on Admissions, Accounting Search, Environment Search, Finance Search, Statistics Search, New Building, Instruction, and Computer Service Committees.
- University: Served on Graduate Student Appellate Review Board.

GNP Commodities, Inc., Chicago, IL

1982-83: Vice President, GNP Consulting

- Designed and developed computer software for valuing futures, futures option, and option contracts and analyzing trading strategies.

Publications: Books

Derivatives: Markets, Valuation, Risk Management, Hoboken, New Jersey: John Wiley & Sons, Inc, 2006.

Futures and Options: Theory and Applications (with H.R. Stoll), South-Western Publishing Co., 1993.

Selected Writings on Futures Markets: Interrelations Among Futures, Option and Futures Option Markets, Chicago Board of Trade, 1992.

Stock Market Structure, Volatility, and Volume (with H.R. Stoll), The Research Foundation of the Institute of Chartered Financial Analysts, 1990.

Principles of Corporate Finance: Canadian Edition (with R. Brealey, S. Myers and G.A. Sick), McGraw-Hill Ryerson Limited, 1986.

Instructor's Manual to Accompany Principles of Corporate Finance: Canadian Edition (with R. Brealey, S. Myers and G.A. Sick), McGraw-Hill Ryerson Limited, 1986.

Study Guide to Accompany Brealey, Myers, Sick and Whaley's Principles of Corporate Finance: Canadian Edition (with C.A. D'Ambrosio, S.D. Hodges and G.A. Sick), McGraw-Hill Ryerson Limited, 1986.

Taxes, Financial Policy and Small Business (with T.E. Day and H.R. Stoll), Lexington Books, D.C. Health Company, 1985.

Publications: Monographs

On the Potential Effects of Changing the Expiration Cycle of the Hang Seng Index Derivatives (with N.P.B. Bollen), Duke University, 1998.

Settling the Australian Share Price Index Futures Contract: Alternatives and Recommendations (with H.R. Stoll), Duke University, 1996.

Review of the CFTC Study, "Economic Analysis of Dual Trading on Commodity Exchanges" (with T. Smith), Futures and Options Research Center Occasional Paper 90-01, Duke University, 1990.

Expiration Day Effects Revisited (with H.R. Stoll), Report prepared for the Chicago Board Options Exchange and the American Stock Exchange, February 1990.

Expiration Day Effects of Index Options and Futures (with H.R. Stoll), Monograph Series in Finance and Economics, Monograph No. 1986-3, Graduate School of Business Administration, New York University, March 1987.

Taxes, Financial Policy and Firm Size (with T.E. Day and H.R. Stoll), Small Business Administration Report, 1984.

Publications: Articles

"Political regimes, business cycles, seasonalities, and returns" (with J.G. Powell, J. Shi, and T. Smith). *Journal of Banking and Finance* (forthcoming).

"Understanding VIX". *Journal of Portfolio Management* (forthcoming Spring 2009).

"Hedge fund risk dynamics: Implications for performance appraisal" (with N.P.B. Bollen), *Journal of Finance* (forthcoming April 2009).

"Elementary Statistics", *Handbook of Finance, Volume III, Valuation, Financial Modeling, and Quantitative Tools*, Frank Fabozzi (Editor), Hoboken, New Jersey: John Wiley & Sons, Inc., 2008, Chapter 58, 645-667.

"Regulation Fair Disclosure and the Cost of Adverse Selection" (with B. Sidhu, T. Smith and R. Willis), *Journal of Accounting Research* 46 (June 2008) 697-728.

"Volatility Derivatives", *Handbook of Finance, Volume I, Financial Markets and Instruments*, Frank Fabozzi (Editor), Hoboken, New Jersey: John Wiley & Sons, Inc., 2008, Chapter 16, 191-203.

"Failure to Exercise Call Options: An Anomaly and a Trading Game" (with V. Krepley and H.R. Stoll), *Journal of Financial Markets* 11 (2008), 1-35. (Lead article).

"The Persistent Presidential Dummy" (with J.G. Powell, J. Shi, and T. Smith), *Journal of Portfolio Management* 33 (Winter 2007), 133-143.

"Ownership, Competition, and Financial Disclosure" (with J.L. Birt, C.M. Bilson, and T. Smith), *Australian Journal of Management* 31 (December 2006), 235-264.

“Modeling the Bid/Ask Spread: Measuring the Inventory-Holding Premium” (with N.P.B. Bollen and T. Smith). *Journal of Financial Economics* 72 (April 2004), 97-141.

“Does Net Buying Pressure Affect the Shape of Implied Volatility Functions?” (with N.P.B. Bollen). *Journal of Finance* 59 (April 2004), 711-754.

“Optimal Contract Design: For Whom?” (with N.P.B. Bollen and T. Smith). *Journal of Futures Markets* 23 (August 2003), 719-750. Lead article.

“Stock Splits: Implications for Investor Trading Costs” (with S. Gray and T. Smith). *Journal of Empirical Finance* 10 (May 2003), 271-303.

“Derivatives.” In the *Handbook of the Economics of Finance: Volume 1B Financial Markets and Asset Pricing*. George Constantinides, Milton Harris, and Rene Stulz (Editors), Elsevier North-Holland Publishing, 2003, 1129-1206.

“Return and Risk of CBOE Buy-Write Monthly Index.” *Journal of Derivatives* 10, 2 (Winter 2002), 35-42.

“S&P 500 Index Replacements: A New Game in Town” (with M.D. Beneish), *Journal of Portfolio Management* 28, 1 (Fall 2002), 51-60.

“The Investor Fear Gauge,” *Journal of Portfolio Management* 26 (Spring 2000), 12-17. Winner of the Bernstein Fabozzi/Jacobs Levy Award for Outstanding Article published in *Journal of Portfolio Management* during the volume year 1999-2000.

“Regime-Switching in Foreign Exchange Rates: Evidence from Currency Option Prices” (with N.P.B. Bollen and S. Gray), *Journal of Econometrics* 94 (2000), 239-276.

“Do Expirations of the Hang Seng Index Derivatives Affect Stock Market Volatility?” (with N.P.B. Bollen). *Pacific-Basin Finance Journal* 7 (1999), 453-470.

“Reset Put Options: Valuation, Risk Characteristics, and an Application” (with S. Gray), *Australian Journal of Management* 22 (June 1999), 1-20.

“Implied Volatility Functions: Empirical Tests” (with B. Dumas and J. Fleming), *Journal of Finance* 53 (December 1998), 2059-2106. Also in *The International Library of Critical Readings in Financial Economics: Options Markets*, G.M. Constantinides and A.G. Malliaris (Editors), Edward Elgar Publishing Limited, 2001 and in *Financial Markets*, B. Biais and Marco Pagano (Editors), The Oxford University Press, 2002.

“Simulating Supply” (with N.P.B. Bollen), *Risk* 11 (September 1998), 143-147. Also in *Corporate Hedging in Theory and Practice: Lessons from Metallgesellschaft*, C.L. Culp and M.H. Miller (Editors), RISK Books, London, England, 1999.

“Are “Teenies” Better?” (with N.P.B. Bollen), *Journal of Portfolio Management* 25 (Fall 1998), 10-24.

“Building on Black-Scholes,” *Risk* 10 (December 1997), 149-156. Also in *Hedging with Trees: Advances in Pricing and Risk Managing Derivatives*, M. Broadie and P. Glasserman (Editors), RISK Books, London, England, 1998.

“Valuing S&P 500 Bear Market Warrants with a Periodic Reset” (with S. Gray), *Journal of Derivatives* 5, 1 (Fall 1997), 99-106.

“Expiration-day Effects of the All Ordinaries Share Price Index Futures: Empirical Evidence and Alternative Settlement Procedures,” (with H.R. Stoll), *Australian Journal of Management* 22 (December 1997), 139-174. Winner of 1998 E. Yetton Award for Best Paper in *Australian Journal of Management* during 1997.

“Assessing the Goodness-of-Fit of Asset Pricing Models: The Distribution of the Maximal R^2 ” (with F.D. Foster and T. Smith), *Journal of Finance* 52 (June 1997), 591-607. Also in *Financial Econometrics*, A. Lo (Editor), Edward Elgar Publishing Ltd., Cheltenham, Glos, United Kingdom, 2006.

“A Scorecard from the S&P Game” (with M.D. Beneish), *Journal of Portfolio Management* 23 (Winter 1997), 16-23.

“An Anatomy of the ‘S&P Game’: The Effects of Changing the Rules” (with M.D. Beneish), *Journal of Finance* 51 (December 1996), 1909-1930.

“Valuing Spread Options,” *Energy in the News* (Summer 1996), 42-45.

“Trading Costs and the Relative Rates of Price Discovery in the Stock, Futures and Options Markets” (with J. Fleming and B. Ostdiek), *Journal of Futures Markets* 16 (June 1996), 353-387.

“Predicting Stock Market Volatility: A New Measure” (with J. Fleming and B. Ostdiek), *Journal of Futures Markets* 15 (May 1995), 265-302. Also in the Chicago Board of Trade’s *Research Symposium Proceedings*, December 1994, 155-200.

“Mean Reversion of S&P 500 Index Basis Changes: Arbitrage-Induced or Statistical Illusion?” (with M.H. Miller and J. Muthuswamy), *Journal of Finance* 49 (June 1994), 479-513.

“Estimating the Effective Bid/Ask Spread Using Time and Sales Data” (with T. Smith), *Journal of Futures Markets* 14 (June 1994), 437-455.

“Assessing the Costs of Regulation: The Case of Dual Trading” (with T. Smith), *Journal of Law and Economics* 37 (April 1994), 215-246.

“The Value of Wildcard Options” (with J. Fleming), *Journal of Finance* 49 (March 1994), 215-236.

“Predictability of Stock Index Basis Changes,” *Review of Futures Markets* 12 (1993), 503-508.

“Intra-day Price Observations: On Computing Portfolio Returns,” *Review of Futures Markets* 12 (1993), 175-190.

“Derivatives on Market Volatility: Hedging Tools Long Overdue,” *Journal of Derivatives* 1 (Fall 1993), 71-84. Also in *Volatility: New Techniques for Pricing Derivatives and Managing Financial Portfolios*, R.A. Jarrow (Editor), RISK Books, London, England, 1998.

“One Market? Stocks, Futures and Options During October 1987” (with A. Kleidon), *Journal of Finance* 47 (July 1992), 851-877.

“Market Volatility Prediction and the Efficiency of the S&P 100 Index Option Market” (with C.R. Harvey), *Journal of Financial Economics* 30 (February 1992), 33-73.

“Dividends and S&P 100 Index Option Valuation” (with C.R. Harvey), *Journal of Futures Markets* 12 (April 1992), 123-137.

“S&P 100 Index Option Volatility” (with C.R. Harvey), *Journal of Finance* 46 (September 1991), 1551-1561.

“Expiration-Day Effects: What Has Changed?” (with H.R. Stoll), *Financial Analysts Journal* 47 (January/February 1991), 58-72.

“The Dynamics of Stock Index and Stock Index Futures Returns” (with H.R. Stoll), *Journal of Financial and Quantitative Analysis* 25 (December 1990), 441-468. Also in *Futures Markets*, A.G. Malliaris (Editor), Edward Elgar Publishing Limited, Cheltenham, United Kingdom, 1995.

“Stock Market Structure and Volatility” (with H.R. Stoll), *Review of Financial Studies* 3 (Spring 1990), 37-71.

“Intraday Price Change and Trading Volume Relations in the Stock and Stock Option Markets” (with J. Stephan), *Journal of Finance* 45 (March 1990), 191-220.

“Program Trading and Individual Stock Returns: Ingredients of the Triple Witching Brew” (with H.R. Stoll), *Journal of Business* 63 (January 1990), S165-S192.

“Futures and Options on Stock Indexes: Economic Purpose, Arbitrage, and Market Structure,” (with H.R. Stoll), *Review of Futures Markets* 7 (1988), 224-248.

“On the Valuation of American Put Options on Dividend-Paying Stocks” (with G. Barone-Adesi), *Advances in Futures and Options Research* 3 (1988), 1-13.

“Stock Index Futures and Options: Economic Impact and Policy Issues” (with H.R. Stoll), *International Journal of Securities Markets* 2 (1988), 3-19.

“Program Trading and the Monday Massacre” (with H.R. Stoll), *Investment Management Review* 2 (January/February 1988), 27-34.

“Stock Market Volatility and Index Futures: Message Versus Messenger” (with H.R. Stoll), *Journal of Portfolio Management* 14 (Winter 1988), 20-22.

“Efficient Analytic Approximation of American Option Values” (with G. Barone-Adesi), *Journal of Finance* 42 (June 1987), 301-320. Also in *Selected Writings on Futures Markets: The Interrelations Between Futures, Option and Futures Option Markets*, R.E. Whaley (Editor), The Chicago Board of Trade, Chicago, IL, 1992, in *Currency Derivatives: Pricing Theory, Exotic Options, and Hedging Applications*, D. DeRosa (Editor), John Wiley and Sons (1998), and in *The International Library of Critical Readings in Financial Economics: Options Markets* G.M. Constantinides and A.G. Malliaris (Editors), Edward Elgar Publishing Limited, 2001.

“Program Trading and Expiration Day Effects” (with H.R. Stoll), *Financial Analysts Journal* 43 (March/April 1987), 16-28. Also in *CRSP Proceedings, The Seminar on Research in Security Prices* (February 1987), 139-163, and *CFA Readings in Derivative Securities*, M.A. Berry and K.F. Sherrerd (Editors), The Institute for Chartered Financial Analysts (1988), 205-216. Winner of 1987 Graham and Dodd Scroll for Excellence in Financial Writing.

“Program Trading and the Stock Market” (with H.R. Stoll), *Financial Analysts Journal* 42 (November/December 1986), 8.

“Expiration Day Effects of Index Futures and Options—Empirical Tests,” *Review of Research in Futures Markets* 5 (November 1986), 292-304.

“The Valuation of American Call Options and the Expected Ex-Dividend Stock Price Decline” (with G. Barone-Adesi), *Journal of Financial Economics* 17 (September 1986), 91-111. Abstract appears in *Journal of Economic Literature* 25 (June 1987), 1150.

“New Option Instruments: Arbitrageable Linkages and Valuation” (with H.R. Stoll), *Advances in Futures and Options Research* 1(A) (1986), 25-62.

“On Valuing American Futures Options,” *Financial Analysts Journal* 42 (May/June 1986), 49-59. Also in *CFA Readings in Derivative Securities*, M.A. Berry and K.F. Sherrerd (Editors), The Institute for Chartered Financial Analysts (1988), 194-204, and in *Currency Derivatives: Pricing Theory, Exotic Options, and Hedging Applications*, D. DeRosa (Editor), John Wiley and Sons (1998). Winner of 1986 Graham and Dodd Scroll for Excellence in Financial Writing.

“Valuation of American Futures Options: Theory and Empirical Tests,” *Journal of Finance* 41 (March 1986), 127-150. Also in *The Handbook of Financial Engineering: New Financial Product Innovations, Applications, and Analyses*, C.W. Smith Jr. and C.W. Smithson (Editors), Harper Business, A Division of Harper & Row, Publishers, New York, 1990; in *The Financial Derivatives Reader*, R.W. Kolb (Editor), Kolb Publishing Company, Miami, FL, 1992; and in *Selected Writings on Futures Markets: The Interrelations Between Futures, Option and Futures Option Markets*, R.E. Whaley (Editor), The Chicago Board of Trade, Chicago, IL, 1992. Abstract appears in *Journal of Economic Literature* 24 (September 1986), 1606.

“The New Options Markets” (with H.R. Stoll) in *Futures Markets: Their Economic Role*, A. Peck (editor), Washington, D.C.: American Enterprise Institute (1985), 205-289.

“New Options Instruments: Arbitrageable Linkages and Valuation: An Extended Abstract” (with H.R. Stoll), *Proceedings of the Money, Banking and Insurance Symposium* (December 1984), 1067-1076.

“Equity Futures Contracts: A New Stock Portfolio Management Tool,” *Advantage* 6 (April 1984), 119-120.

“Transaction Costs and the Small Firm Effect” (with H.R. Stoll), *Journal of Financial Economics* 12 (June 1983), 57-79.

“Anticipation of Quarterly Earnings Announcements: A Test of Option Market Efficiency” (with J.K. Cheung), *Journal of Accounting and Economics* 4 (October 1982), 57-83. Lead article.

“Valuation of American Call Options on Dividend-Paying Stocks: Empirical Tests,” *Journal of Financial Economics* 10 (March 1982), 29-58. Also in *Empirical Research in Capital Markets*, G.W. Schwert and C.W. Smith Jr. (Editors), McGraw-Hill Book Company (1991).

“On the Valuation of American Call Options on Stocks with Known Dividends,” *Journal of Financial Economics* 9 (June 1981), 207-211. Also in *CFA Readings in Derivative Securities*, M.A. Berry and K.F. Sherrerd (Editors), The Institute for Chartered Financial Analysts (1988), 127-131; and in *Selected Writings on Futures Markets: The Interrelations Between Futures, Option and Futures Option Markets*, R.E. Whaley (Editor), The Chicago Board of Trade, Chicago, IL, 1992.

“Transaction Costs on Government Bonds: A Re-specification” (with D. Grant), *Journal of Business* 51 (January 1978), 57-64.

Publications: Proceedings

“Commentary on ‘Hedging Vega Risk with the VOLAX Futures: Some First Results’,” *Eleventh Annual CBT European Futures Research Symposium Proceedings*, Marseille, France, September 1998.

“Commentary on ‘International Transmission of Option Volatility and Skewness: When You’re Smiling, Does the Whole World Smile?’,” *Tenth Annual CBT European Futures Research Symposium Proceedings*, London, England, September 1997.

“Commentary on ‘Liquidity in the Australian SPI Futures Market Following a Redenomination of the Contract’,” *Seventh Annual CBT Pacific Basin Futures Research Symposium Proceedings*, Singapore, February 1996.

“Commentary on ‘Nikkei Futures Contracts on the SIMEX: A Microstructure Analysis’,” *Sixth Annual CBT Pacific Basin Futures Research Symposium Proceedings*, Hong Kong, March 1995.

Working Papers: Completed

“Common divisors, payout persistence, and return predictability” (with J.G. Powell, J. Shi, and T. Smith), Last revised: July 2008.

“Failure to exercise put options and the short stock interest strategy” (with K. Barraclough), Last revised: November 2008.

Work In Progress:

“Adjusting options on stocks with large special dividends” (with H.R. Stoll)

“Empirical analysis of VIX options: Lessons from a flourishing market” (with N.P.B Bollen)

Editorships:

Associate Editor, *Advances in Futures and Options Research*, 1987-Present.

Associate Editor, *Canadian Journal of Administrative Sciences*, 1995-1998.

Editorial Board, *China Accounting and Finance Review*, 1998-2000.

Associate Editor, *Journal of Derivatives*, 1992-Present.

Associate Editor, *Journal of Finance*, 1991-2000.

Associate Editor, *Journal of Financial Economics*, 1989-1998.

Associate Editor, *Journal of Futures Markets*, 1995-Present.

Editorial Board, *Journal of Risk*, 1998-2006.

Associate Editor, *Management Science*, 1988-1989.

Editorial Board, *Pacific-Basin Finance Journal*, 2003-Present.
Co-Editor, *Review of Futures Markets*, 1987-1999.

Referee Service:

Accounting Review
Advances in Futures and Options Research
Australian Journal of Management
Canadian Journal of Administrative Sciences
Econometrica
Energy Journal
European Economic Review
European Financial Review
Financial Analysts Journal
Financial Management
Financial Review
International Options Journal
Hong Kong Research Grants Council
Hong Kong University of Science and Technology
UGC Research Infrastructure Grants programme
Journal of Banking and Finance
Journal of Business
Journal of Business and Economic Statistics
Journal of Econometrics
Journal of Economics and Business
Journal of Empirical Finance
Journal of Finance
Journal of Financial Economics
Journal of Financial Engineering
Journal of Financial and Quantitative Analysis
Journal of Financial Research
Journal of International Money and Finance
Journal of Political Economy
Journal of Portfolio Management
Journal of Risk
Management Science
National Science Foundation
Pacific-Basin Finance Journal
Quantitative Finance
Quarterly Journal of Business and Economics
Quarterly Review of Economics and Business
Review of Derivatives Research
Review of Financial Studies
Review of Research in Futures Markets
Small Business Administration
Social Science and Humanities Research Council of Canada

Consulting Service:

Served as consultant to major investment houses, futures and options exchanges, law firms, governmental agencies, and a major accounting firm.

December 31, 2008

ROBERT E. WHALEY
Supplemental Information

Presentations:

Volatility As a Commodity

- * Keynote speaker, 2009 Financial Management Association European Conference, Turin, Italy, June 2009.

Understanding VIX

- * Keynote speaker, 13th Annual Super Bowl of Indexing, Phoenix, AZ, December 2008.

CBOE's Put-Write Index: An Explanation of Its Abnormal Performance

- * Distinguished speaker, 24th Annual Risk Management Conference, Bonita Springs, FL, March 2008.

Spurious Dichotomous Variable Regressions in Financial Economics

- * Owen Graduate School of Management, Vanderbilt University, Nashville, Tennessee, November 2005.

Bid/Ask Spreads: A Comparative Analysis

- * Invited speaker, Conference on Current Issues in Institutional Equity Trading, The Duke Global Capital Markets Center & The New York Stock Exchange, West Palm Beach, Florida, December 2003.

Modeling the Bid/Ask Spread: Measuring the Inventory-Holding Premium

- * Owen Graduate School of Management, Vanderbilt University, Nashville, Tennessee, November 2002.
- * Distinguished speaker, Commodity Futures Trading Commission, Washington, D.C., October 2002.

Derivatives: Research Directions

- * Distinguished speaker and panelist, Doctoral Consortium, Financial Management Association, San Antonio, TX, October 2002.

A New Game in Town

- * Keynote speaker, The Canada Cup of Indexing, Montreal, Quebec, Canada, April 2002.

Return and Risk of the CBOE Buy-write Monthly Index

- * Invited speaker, 19th Annual Risk Management Conference, San Antonio, TX, March 2003.
- * Invited speaker, 18th Annual Risk Management Conference, St. Petersburg, FL, January 2002.

Stock Splits: Implications for Investor Trading Costs

- * Plenary speaker, 1999 Asia-Pacific Finance Association Conference, Melbourne, Australia, July 1999.
- * Department of Finance and Accounting, The National University of Singapore, Singapore, July 1999.

Index Derivatives and Market Volatility: Financial Innovation at Its Best

- * Guest speaker, Fifth NUS Seminar on Finance, The National University of Singapore, Singapore, July 1999.

Volatility Derivatives: The Volax Futures Contract

- * Chicago Board of Trade Research Symposium, Marseille, France, October 1998.

Market Volatility

- * Pricing and Valuing Options Conference, University of Pretoria, Pretoria, South Africa, August 1998.

Is the Dow Different?

- * Chicago Board of Trade Research Symposium, Chicago, Illinois, December 1997.

Understanding Smiles

- * Chicago Board of Trade European Research Symposium, London, England, September 1997.

The S&P Game

- * Australian Graduate School of Management, University of New South Wales, Sydney, Australia, March 1997.

Derivative Markets: Past, Present, and Future

- * Keynote speech, Center for Public and Business Administration, National Chengchi University, Taipei, Taiwan, January 1996.

Deterministic Volatility Functions: Empirical Tests

- * Jones Graduate School of Administration, Rice University, Houston, Texas, September 1996.
- * Australian Graduate School of Management, University of New South Wales, Sydney, Australia, April 1996.
- * Hong Kong Polytechnic University, Hong Kong, February 1996.
- * Rotman Center for Management, University of Toronto, Toronto, Ontario, November 1995.
- * Anderson School of Management, University of New Mexico, October 1995.

Predicting Stock Market Volatility: A New Measure

- * Chicago Board of Trade Fall Research Symposium, Chicago, IL, December 1994.
- * Berkeley Program in Finance, Ojai Valley, CA, September 1994.

What Can/Should Practitioners Learn from Financial Econometricians.

- * Conference on Stochastic Volatility, École des Hautes Études Commerciales (HEC), Montreal, Canada, October 1994.

Uses of the Volatility Index

- * School of Accountancy, University of Waterloo and KPMG Peat Marwick Thorne Research Seminar, Toronto, Ontario, Canada, October 1994.

Valuing Spread Options

- * New York Mercantile Exchange, Houston, TX, September 1994.
- * New York Mercantile Exchange, New York, NY, July 1994.

Derivatives on Market Volatility: Hedging Tools Long Overdue

- * Conference on Risk Management, Vanderbilt University, Nashville, Tennessee, April 1993.
- * Ninth Annual CBOE/CBOT Risk Management Conference, Phoenix, Arizona, January 1993.

Trading Costs and the Relative Rates of Price Discovery in the Stock, Futures and Options Markets

- * College of Business Administration, University of Iowa, February 1995.
- * Jones Graduate School of Administration, Rice University, Houston, Texas, April 1994.
- * Western Finance Association meetings, Whistler, British Columbia, June 1993.

Mean Reversion of S&P 500 Index Basis Changes: Arbitrage-Induced or Statistical Illusion?

- * Money, Finance, Banking, and Insurance Symposium, University of Karlsruhe, Karlsruhe, Germany, December 1993.
- * College of Science and Administrative Studies, Laval University, Quebec City, Canada, November 1993.
- * The Erasmus Center of Financial Research, Erasmus University, Rotterdam, The Netherlands, December 1992.
- * Western Finance Association, San Francisco, California, June 1992.
- * Faculty of Management Studies, University of Toronto, Toronto, Canada, November 1991.
- * School of Business Administration, University of Michigan, Ann Arbor, Michigan, November 1991.
- * School of Business, University of North Carolina, Chapel Hill, October 1991.

One Market? Stocks, Futures and Options During October 1987

- * American Finance Association meetings, New Orleans, Louisiana, January 1992.

Predictability of Basis Changes

- * Fifth Annual European CBT Futures Research Symposium, Leuven, Belgium, September 1992.

Assessing the Costs of Regulation: The Case of Dual Trading

- * Western Finance Association, San Francisco, California, June 1992.
- * School of Business, Indiana University, Bloomington, Indiana, March 1992.
- * Cox School of Business, Southern Methodist University, Dallas, Texas, February 1992.
- * The College of Business Administration, The University of Oklahoma, Norman, Oklahoma, February 1992.
- * Northern Finance Association meetings, Banff, Alberta, September 1990.
- * Conference on Volatility and Market Structure, Vanderbilt University, April 1990.

Expiration-Day Effects: What Has Changed?

- * American Stock Exchange Options Colloquium X, New York University Graduate Center, New York, New York, March 1990.

Market Volatility Prediction and the Efficiency of the S&P 100 Index Option Market

- * The Seminar on Analysis of Security Prices, University of Chicago, Chicago, Illinois, May 1992.
- * American Stock Exchange Options Colloquium XII, New York University Graduate Center, New York, New York, March 1992.
- * American Finance Association meetings, New Orleans, Louisiana, January 1992.
- * CRF Conference, Istituto Mobiliare Italiano, Rome, Italy, September 1991.
- * College of Business Administration, University of Cincinnati, Cincinnati, Ohio, May 1990.
- * Pamplin College of Business, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, March 1990.
- * Simon Graduate School of Management, University of Rochester, Rochester, New York, November 1989.
- * The Wharton School, University of Pennsylvania, Philadelphia, Pennsylvania, November 1989.
- * Options: Recent Advances in Theory and Practice, University of Warwick, Coventry, England, September 1989.

Stock Market Structure and Volatility

- * Imperfections in Financial Markets Conference, Minaki, Ontario, Canada, June 1989.

Intraday Price Change and Trading Volume Relations in the Stock and Stock Option Markets

- * Second International Conference of Finance, Centre HEC-ISA, Jouy-En-Josas, France, June 1988.

Dynamics of Stock Index and Stock Index Futures Returns

- * ORSA/TIMS, Vancouver, British Columbia, May 1989.
- * Olin School of Business, Washington University, St. Louis, Missouri, September 1988.
- * Fuqua School of Business, Duke University, Durham, North Carolina, March 1988.
- * College of Business, Ohio State University, Columbus, Ohio, March 1988.
- * Faculty of Administrative Studies, York University, Toronto, Ontario, Canada, January 1988.
- * Institute for Quantitative Research in Finance Seminar, Colorado Springs, Colorado, October 1987.

Expiration Day Effects of Index Options and Futures Program Trading and Expiration Day Effects

- * The Seminar on Analysis of Security Prices, University of Chicago, Chicago, Illinois, November 1986.
- * Chicago Board of Trade Research Seminar, Chicago, Illinois, May 1986.

Valuation of American Futures Options: Theory and Empirical Tests

- * American Stock Exchange Options Colloquium VI, New York University Graduate Center, New York, New York, March 1986.
- * Department of Finance, University of Texas at Austin, Austin, Texas, February 1986.
- * American Finance Association, New York, New York, December 1985.
- * Owen Graduate School of Management, Vanderbilt University, Nashville, Tennessee, October 1985.

The Valuation of American Call Options and the Expected Ex-Dividend Stock Price Decline

- * Western Finance Association, Colorado Springs, Colorado, June 1986.
- * Kellogg Graduate School of Management, Northwestern University, Evanston, Illinois, April 1986.
- * Fuqua School of Business, Duke University, Durham, North Carolina, January 1986.
- * College of Business and Public Administration, University of Arizona, December 1985.
- * Faculty of Business, University of Alberta, Edmonton, Alberta, September 1985.
- * Simon Fraser University, Burnaby, British Columbia, July 1985.

New Option Instruments: Arbitrageable Linkages and Valuation

- * Money, Banking and Insurance Symposium, University of Karlsruhe, December 1984.

On Valuing American Futures Options

- * Faculty of Business, University of Alberta, Edmonton, Alberta, April 1984.

Taxes, Financial Policy and Firm Size

- * Small Business Administration, Washington, D.C., March 1984.

Transaction Costs and the Small Firm Effect

- * Institute for Quantitative Research in Finance Seminar, Colorado Springs, Colorado, October 1983.
- * Faculty of Management, University of Calgary, Calgary, Alberta, June 1982.
- * Faculty of Management Studies, University of Toronto, Toronto, Ontario, November 1981.
- * Department of Finance, University of Illinois at Chicago Circle, Chicago, Illinois, June 1981.

The Mean Variance Capital Asset Pricing Model with Transaction Costs and Short Selling Restrictions

- * Western Finance Association, San Diego, California, June 1980.

Session Chairman/Paper Discussant/Paper Selection Committee:

Western Finance Association Meeting, San Diego, CA, June 2009
Financial Management Association European meetings, Torin, Italy, June 2009
Western Finance Association Meeting, Waikoloa, Hawaii, June 2008
Western Finance Association Meeting, Big Sky, Montana, June 2007
American Finance Association Meeting, Boston, MA, January 2006
Financial Management Association, Chicago, IL, October 2005
Western Finance Association Meeting, Los Cabos, Mexico, June 2003
American Finance Association Meeting, Washington, DC, January 2003
American Finance Association Meeting, New Orleans, LA, January 2000
American Finance Association Meeting, New York, NY, January 1999
American Finance Association Meeting, Chicago, IL, January 1998
Western Finance Association Meeting, Sunriver, Oregon, June 1996
American Finance Association Meeting, Washington, D.C., January 1995
Federal Reserve Bank Meeting, Coconut Grove, FL, February 1994
Western Finance Association Meeting, Whistler, British Columbia, June 1993
American Finance Association Meeting, Anaheim, California, January 1993
American Finance Association Meeting, New Orleans, Louisiana, January 1992
Western Finance Association Meeting, Jackson Hole, WY, June 1991
American Finance Association Meeting, Washington, D.C., December 1990
Northern Finance Association Meeting, Banff, Alberta, September 1990
Western Finance Association Meeting, Santa Barbara, CA, June 1990
Northern Finance Association Meeting, Ottawa, Ontario, September 1989
Options: Recent Advances in Theory and Practice, University of Warwick, Coventry, England, September 1989
Western Finance Association Meeting, Seattle, Washington, June 1989
Imperfections in Financial Markets Conference, Minaki, Ontario, Canada, June 1989
ORSA/TIMS Meeting, Vancouver, British Columbia, May 1989
American Finance Association Meeting, New York, New York, December 1988
Western Finance Association Meeting, Napa, California, June 1988
Western Finance Association Meeting, San Diego, California, June 1987
American Finance Association Meeting, New Orleans, Louisiana, December 1986
Financial Management Association, New York, New York, October 1986
Chicago Board of Trade Research Symposiums: Paper selection committee chairman for derivatives research symposiums 1987-1998. Responsible for program content in:

<i>Month</i>	<i>Location</i>	<i>Month</i>	<i>Location</i>
United States		Europe	
Dec-87	Chicago Board of Trade, Chicago, IL	Oct-88	Barcelona, Spain
May-88	Chicago Board of Trade, Chicago, IL	Oct-89	Paris, France
Dec-88	Chicago Board of Trade, Chicago, IL	Oct-90	The Hague, The Netherlands
May-89	Chicago Board of Trade, Chicago, IL	Oct-91	Porto, Portugal
Dec-89	Duke University, Durham, NC	Oct-92	Brussels, Belgium
May-90	Chicago Board of Trade, Chicago, IL	Oct-93	Manchester, England
Dec-90	Vanderbilt University, Nashville, TN	Oct-94	Bonn, Germany
May-91	Chicago Board of Trade, Chicago, IL	Sep-95	Barcelona, Spain
Dec-91	Chicago Board of Trade, Chicago, IL	Sep-96	Tilburg, The Netherlands
May-92	Chicago Board of Trade, Chicago, IL	Sep-97	London, England

Dec-92	Chicago Board of Trade, Chicago, IL	Sep-98	Marseille, France
May-93	Chicago Board of Trade, Chicago, IL		
Dec-93	Chicago Board of Trade, Chicago, IL	Pacific Basin	
May-94	Chicago Board of Trade, Chicago, IL	Jul-90	Hong Kong
Dec-94	Chicago Board of Trade, Chicago, IL	Jul-91	Singapore
May-95	Chicago Board of Trade, Chicago, IL	Mar-92	Hong Kong
Dec-95	Rice University, Houston, TX	Mar-93	Hong Kong
May-96	Chicago Board of Trade, Chicago, IL	Mar-94	Taipei, Taiwan
Dec-96	Chicago Board of Trade, Chicago, IL	Mar-95	Hong Kong
May-97	Chicago Board of Trade, Chicago, IL	Feb-96	Singapore
Dec-97	Chicago Board of Trade, Chicago, IL	Feb-97	Hong Kong
		Feb-98	Sydney, Australia
		Feb-98	Hong Kong

Ph.D. Committee Service:

- S. Kim, *Price Discovery from Peers*, Owen Graduate School of Management, Vanderbilt University, 2008.
- K. Barraclough, *A State Contingent Claim Approach to Asset Valuation*, Australian National University, 2007. (External examiner)
- L. Bai, *The Intraday Price Effect of the Short Sale Uptick Rule—Can It Alleviate Downward Price Pressure*, Fuqua School of Business, Duke University, 2006. (Chairman).
- K. Felixson, *Finnish Short Term Stock Returns*, Swedish School of Economics and Business Administration, Department of Finance and Statistics, 2003. (External examiner)
- R. Guido, *Essays on the Role of Information in Financial Markets*, Australian Graduate School of Management, University of New South Wales, 2003. (External examiner)
- K.D. Walsh, *Essays in Asset Pricing*, Australian Graduate School of Management, University of New South Wales, 2003. (External examiner)
- E.A. Kalotay, *Portfolio Efficiency and Model Uncertainty*, Australian Graduate School of Management, University of New South Wales, 2001. (External examiner)
- P. Gray, *Bayesian Methods in Empirical Finance*, Australian Graduate School of Management, University of New South Wales, 2000. (External examiner)
- K.R. Pattenden, *Tax Effects in Corporate Finance: Three Essays*, Australian Graduate School of Management, University of New South Wales, 2000. (External examiner)
- N.P.B. Bollen, *The Valuation of Options in Regime-Switching Models*, Fuqua School of Business, Duke University, 1997. (Chairman)
- K. Kantor, “Stock Option Evaluator,” Fuqua School of Business/Department of Computing Science, Duke University (Master’s thesis).
- G.L. Gannon, “Models of Simultaneous Volatility,” Monash University, Clayton, Australia, 1997.
- P. Dennis, *Using Linear Programming to Establish Optimal Bid-Ask Arbitrage Bounds on S&P 500 Index Options*, Kenan-Flagler School of Business, University of North Carolina at Chapel Hill, 1996.
- D. Guo, *Essays on Implied Stochastic Volatility From Currency Options*, Department of Economics, University of Toronto, 1995.
- C.M. Kirby, *Interpreting Evidence of Predictable Variation in Stock and Bond Returns*, Fuqua School of Business, Duke University, 1994.
- B. Ostdiek, *Empirical Investigations of the World Ex Ante Risk Premium and the Flow of World Information*, Fuqua School of Business, Duke University, 1994. (Co-Chairman)
- J. Fleming, *The Valuation and Information Content of S&P 100 Option Prices*, Fuqua School of Business, Duke University, 1993. (Chairman)
- S. Parmeswaran, *Implications of Market Microstructure Effects for Tests of Financial Models*, Fuqua School of Business, Duke University, 1991. (Chairman)
- P.V. Snelling, *Earnings Surprises and the Information Content of Option Prices*, School of Business Administration, University of North Carolina at Chapel Hill, 1986.
- M.M. Chaudhury, *On Testing the Black-Scholes Option Pricing Model*, Department of Economics, Simon Fraser University, 1985.

November 15, 2008