MARTIN J. GRUBER (212) 998-0333 - Office

ACADEMIC POSITIONS

1965-	Assistant Professor of Finance, New York University
1968	Graduate School of Business Administration
1968-	Associate Professor of Finance, New York University
1972	Graduate School of Business Administration
1972-	Senior Research Fellow, the International Institute of Management,
1974	Berlin, Germany
1972-	Professor of Finance, New York University Graduate
1987	School of Business Administration
1987-	Nomura Professor of Finance, New York University
2010	Stern School of Business
1989-	Chairman, Finance Department, New York University
1997	Stern School of Business
1994	Vice President and Program Chairman of the American Finance Association
1995	President of the American Finance Association
2005 -	A Director of the National Bureau of Economic Research
2010-	Professor Emeritus of Finance, New York University
Present	Stern School of Business
	Scholar in Residence, New York University Stern School of Business

EDUCATION

1961- 1966	Columbia University, Graduate School of Business
	Ph.D. completed August, 1966 Dissertation Topic: Common Stock Valuation (Abstract in December, 1966, <i>Journal of Finance</i>).
	Fields of concentration: Finance and Economics
	Member of Beta Gamma Sigma Studied under an N.D.E.A. Fellowship
1959-	
1961	Columbia University Graduate School of Business
	M.B.A. completed June, 1961
	Field of concentration: Production Management
1955-	
1959	Massachusetts Institute of Technology
	S.B. completed, June, 1959
	Field of concentration: Chemical Engineering

PUBLICATIONS

A. **BOOKS**

<u>Modern Portfolio Theory and Investment Analysis</u> (New York, New York: John Wiley & Sons, Inc., Ninth Edition, 2014).

Investments and Portfolio Performance (World Scientific Publishing Company, Singapore), 2011.

Investments Volume I: Portfolio Theory and Asset Pricing, MIT Press, 1999.

Investments Volume II: Security Prices and Performance, MIT Press, 1999.

Japanese Capital Markets (Ballinger Publishing Co., 1990).

Portfolio Theory - 25 Years After (New York, New York: North-Holland, 1979).

International Capital Markets (New York, New York: North-Holland, 1975).

Finance as a Dynamic Process (Englewood Cliffs, New Jersey: Prentice-Hall, 1975).

Security Evaluation and Portfolio Analysis (Englewood Cliffs, New Jersey: Prentice Hall, 1972).

<u>The Determinants of Common Stock Prices</u> The Office of Research, Pennsylvania State, February, 1971.

Pension Funds 1966 Investors Publishing Company, 1967.

B. <u>SOFTWARE</u>

The Investment Portfolio, Intellipro, Inc., 1995.

C. <u>ARTICLES</u>

"2004 Martin Gruber in Investment Luminaries and Their Insights: 25 years of the Research Foundation Vertin Awards. *CFA Institute*, Forthcoming 2022

"Are Enhanced Index Funds Enhanced?". European Financial Management, 2021

"Review of the Performance Measurement of Long Term Mutual Funds". *Financial Analyst Journal*, 2020

"Passive Mutual Funds and ETF's: Performance and Comparison". *Journal of Banking and Finance*, 2019

"Are Passive Funds Really Superior Investments? An Investor Perspective. *Financial Analyst Journal*, 2019

"Fund of Funds Selection of Mutual Funds". Critical Finance Review, 2018.

"The Impact of Ross's Exploration of Arbitrage Pricing Theory". *Journal of Portfolio Management*, Special Issue 2018

"Target Risk Funds," European Financial Management, September 2016

"Target Date Funds; Characteristics and Performance," *Review of Asset Pricing Studies*, December 2015

"The Performance of Separate Accounts and Collected Investment Trusts," *Review of Finance*, 2014

"Why Do Closed-End Bond Funds Exist? An Additional Explanation for the Growth in Domestic Closed-End Bond Funds," *JFQA*, April 2013

"Mutual Funds," in Constantinides, George, Milt Harris and Rene Stulz Handbook of the Economics of Finance, Elsevier, 2013

"Does Mutual Fund Size Matter? The Relationship Between Size and Performance," *Review of Asset Pricing Studies*, June 2012

"An Examination of Mutual Fund Timing Using Monthly Holding Data," *Review of Finance*, July 2012

"Holdings Data, Security Returns and the Selection of Superior Mutual Funds," <u>Journal of Financial and Quantitative Analysis</u>. April 2011

"The Effect of Frequency of Holding Data on Conclusions about Mutual Fund Management Behavior," Journal of Banking and Finance, May 2010.

"Applications of the Markowitz Portfolio Theory to Pension Fund Design." In: John Guerard, Jr. <u>The Handbook of Portfolio Construction: Contemporary Applications of Markowitz Techniques</u>, Chapter 14, Springer, 2010.

"The Impact of Mutual Fund Family Membership on Investor Risk," <u>Journal of Financial</u> andQuantitative Analysis, June 2007.

"Participant Reaction and the Performance of Mutual Funds Offered by 401(k) Plans," Journal of Financial Intermediation, April 2007.

"Improved Estimates or Correlation Coefficients and Their Impact on the Optimum Portfolios" <u>European Financial Management</u>, 12(3), August 2006, pp. 303–318.

"The Adequacy of Investment Choices Offered by 401K Plans," Journal of Public Economics,

August 2006, vol. 9, issues 6-7, pp. 1299-1314, August 2006.

"Marginal Stockholder Tax Effects and Ex-Dividend Price Behavior: Evidence from Taxable Versus Non-Taxable Closed End Funds," <u>Review of Economics and Statistics</u>, August 2005.

"Factors Affecting the Valuation of Corporate Bonds," <u>Journal of Banking and Finance</u>, November 2004.

"Optimum Centralized Portfolio Construction with Decentralized Portfolio Management," Journal of Financial and Quantitative Analysis, September 2004.

"Are Investors Rational: Choices Among Index Funds, Journal of Finance, February 2004.

"Incentive Fees and Mutual Fund Performance, Journal of Finance, April 2003.

"Spiders: Where are the Bugs?" Journal of Business, July 2002.

"Gli Effeli Delle Commissioni d'Incentivo Sulle Performace dei Fondi Comuni," <u>Banca Impresa</u> <u>Societa</u>, Vol. 21, No. 2, 2002, pages 185-218.

"A First Look at the Accuracy of the CRSP Mutual Fund Database and a Comparison of the CRSP and Morningstar Mutual Fund Databases," Journal of Finance, December 2001.

"Explaining the Rate Spread on Corporate Bonds," Journal of Finance, February 2001.

"Identifying the Risk Structure of Mutual Fund Returns," <u>European Financial</u> <u>Management</u>, June 2001.

"The Rationality of Asset Allocation Recommendations," <u>Journal of Financial and Quantitative</u> <u>Analysis</u>, March 2000.

"Common Factors in Active and Passive Portfolios," <u>European Finance Review</u>, November 1999.

"On the Origins of the European Finance Association," <u>European Finance Review</u>, November 1999

"Do Investors Care About Sentiment?" <u>The Journal of Business</u>, October 1998.

"Modern Portfolio Theory, 1950 to Date," Journal of Banking and Finance, December 1997.

"Multi-Index Models and Performance Measurement." In Edward I. Altman and Irwin T. Vanderhoof (Eds.) <u>The Financial Dynamics of the Insurance Industry</u>, Irwin Professional Publishing, 1997.

"International Portfolio Management," in <u>Handbook of International Finance and</u> <u>Accounting</u>, Second Edition, edited by Frederick D.S. Choi, John Wiley & Sons, Inc., 1997. "Return Generating Process and the Determinants of Term Premiums," Journal of Banking and Finance, Vol, 20, 1996.

"The Persistence of Risk-Adjusted Mutual Fund Performance," Journal of Business, April 1996.

"Another Puzzle: The Growth in Actively Managed Mutual Funds," <u>Journal of Finance</u>, July 1996.

"Survivorship Bias and Mutual Fund Performance," <u>The Review of Financial Studies</u>, Vol 9, No. 4, Winter 1996.

"Fundamental Economic Variables, Expected Returns, and Bond Fund Performance," <u>Journal</u> of Finance, September 1995.

"Multi-Index Models and Performance Measurement," in E.I. Altman and I.T. Vanderhoof (eds.), <u>The Financial Dynamics of the Insurance Industry</u>, Irwin Professional Publishing, 1995.

"Estimating the Cost of Capital: Methods and Practice," in <u>Financial Markets, Institutions</u> and <u>Instruments</u>, Vol. 3, No. 3, 1994.

"Multi-Index Models Using Simultaneous Estimation of all Parameters," <u>Practitioners Guide to</u> <u>Factor Models</u>, The Research Foundation of the Institute of Chartered Financial Analysts, March 1994.

"Cost of Capital Using Arbitrage Theory: A Case Study of Nine New York Utilities," <u>Financial</u> <u>Markets, Institutions, and Instruments</u>, Vol. 3, No. 3, 1994.

"The Performance of Bond Mutual Funds," Journal of Business, July 1993.

"Efficiency with Costly Information: A Reinterpretation of Evidence from Managed Portfolios," <u>The Review of Financial Studies</u>, 1993.

"Portfolio Analysis with a Nonnormal Multi-Index Return Generating Process," <u>Review of</u> <u>Quantitative Finance and Accounting</u>, March 1992.

"Optimal Investment Strategies with Investor Liabilities," Journal of Banking and Finance, 1991.

"International Diversification from a Swiss Perspective," <u>Journal of Finanzmarkt und Portfolio</u> <u>Management</u>, June, 1991.

"Differential Information and Timing Ability," Journal of Banking and Finance, 15, 1991, pp. 117-131.

"La Diversificacion Internacional Desde Una Perspectiva Espanola," <u>Informacion Comercial</u> <u>Espanola</u>, Numero 689, Enero 1991, pp 169-180.

"The Performance of Publicly Offered Commodity Funds," Financial Analysts Journal,

July/August 1990, pp. 23-30. (Graham Dodd winner).

"The Structure of Spot Rates and Immunization," Journal of Finance, June, 1990.

"Expectational Data and Japanese Stock Prices," Japan and the World Economy, Volume 1, 1989.

"New Public Offerings, Information and Investor Rationality: The Case of Publicly Offered Commodity Funds," Journal of Business, January, 1989.

"A Multi-Index Risk Model of the Japanese Stock Market," <u>Japan and the World Economy</u>, Volume 1, Number 1, 1988. (Winner of award from Institute of Quantitative Analysts).

"Bond Returns, Immunization and the Return Generating-Process," <u>Studies in Banking and Finance</u>, Volume 5, 1988.

"Professionally Managed Publicly Traded Commodity Funds," Journal of Business, April 1987.

"Portfolio Analysis with Partial Information: The Case of Grouped Data," <u>Management Science</u>, October, 1987.

"Effects of Quarterly Earnings Announcements on Analysts Forecasts," <u>Research in Finance</u>, Volume 6, 1986.

"Discrete Expectational Data and Portfolio Performance," Journal of Finance, July, 1986.

"Time Series Analysis," in <u>Financial Analyst s' Handbook</u>, Second Edition, S. Levin (ed.). Dow Jones Irwin, Inc. 1986.

"Employing Financial Futures to Increase the Return on Near Cash (Treasury Bill) Investments," <u>Management Science</u>, March, 1985.

"Professional Expectations: Accuracy and Diagnosis of Errors," <u>Journal of Financial and</u> <u>Quantitative Analysis</u>, December 1984. (Winner of award from Institute of Quantitative Analysis).

"Non Standard CAPM's and the Market Portfolio," Journal of Finance, July, 1984.

"The Ex-Dividend Day Behavior of Stock Prices: An Examination of the Clientele Effect: Comment," <u>Journal of Finance</u>, June, 1984.

"On the Robustness of the Roll and Ross Arbitrage Pricing Theory," <u>Journal of Financial and</u> <u>Quantitative Analysis</u>, March, 1984.

"Intra Day Tests of the Efficiency of the Treasury Bill Futures Market," <u>The Review of</u> <u>Economics and Statistics</u>, February, 1984. "A Simple Examination of the Empirical Relationships between Dividend Yields and Deviations from the CAPM," Journal of Banking and Finance, March, 1983.

"The Arbitrage Pricing Model and Returns on Assets under Uncertain Inflation," <u>Journal of Finance</u>, March, 1983.

"Expectation and Share Prices," Management Science, September, 1981.

"The Impact of Bankruptcy on the Firm's Capital Structure, The Reasonableness of Mergers, and the Risk Independence of Projects," <u>Research in Finance</u>, 1981.

"Simple Criteria for Optimal Portfolio Selection: The Multi-Index Case," in <u>Portfolio</u> <u>Management – 25 Years Later</u>, ed. Elton and Gruber, North Holland, 1979.

"Cash Management," in Jim Bicksler, ed., <u>Handbook of Financial Economics</u>, North-Holland, 1979.

"Simple Rules for Optimal Portfolio Selection in Stable Paretian Markets," <u>Journal of Finance</u>, September, 1979.

"Banking Techniques for Portfolio Selection," in Jim Bicksler, ed. <u>Handbook of Financial</u> <u>Economics</u>, North-Holland, 1979.

"Taxes and Portfolio Composition," Journal of Financial Economics, December, 1978.

"Are Betas Best?" Journal of Finance, December, 1978.

"The Optimal Investment, Financing and Valuation of the Firm: An Intertemporal Analysis," in Cees Van Dam, <u>Trends in Financial Decision Making</u>, (Martinus Nijhoff, Boston, 1978).

"Optimal Portfolios from Simple Ranking Devices," <u>Journal of Portfolio Management</u>, Spring, 1978.

"Simple Criteria for Optimal Portfolio Selection: Tracing out the Efficient Frontier," <u>Journal of Finance</u>, March, 1978.

"Valuation and Asset Selection under Alternative Investment Opportunities," <u>Journal of Finance</u>, May 1976. Reprinted in Cees Van Dam, <u>Trends in Financial Decision Making</u>, (Martinus Nijhoof, Boston, 1978).

"Optimal Investment and Financial Patterns for a Firm: Subject to Regulations with a Lag," Journal of Finance, December, 1977.

"Simple Criteria for Optimal Portfolio Selection with Upper Bounds," <u>Operations</u> <u>Research</u>, November-December, 1977.

"Simple Rules for Optimal Portfolio Selection: The Multi-Group Case," <u>Journal of Financial and</u> <u>Quantitative Analysis</u>, September, 1977. "Risk Reduction and Portfolio Size: An Analytical Solution," Journal of Business, October, 1977.

"Optimal Investment and Financing Patterns under Alternative Methods of Regulation," in Levy and Sarnat (eds.) <u>Financial Decision Making Under Uncertainty</u>, Academic Press, 1977.

"Simple Criteria for Optimal Portfolio Selection," Journal of Finance, December, 1976.

"Intertemporal Portfolio Analysis Based on Simulation of Joint Returns," <u>Management</u> <u>Science</u>, September, 1976.

"On the Optimality of Equal Life Policy for Equipment Subject to Technology Improvement," <u>Operations Research Quarterly</u>, December, 1975.

"A Closer Look at the Implications of the Stable Paretian Hypothesis," <u>Review of Economics and</u> <u>Statistics</u>, May, 1975.

"Valuation, Optimum Investment and Financing for the Firm Subject to Regulation," <u>Journal of Finance</u>, May, 1975.

"On the Cash Balance Problem," Operations Research Quarterly, December, 1974.

"On the Maximization of the Geometric Mean with Lognormal Return Distribution," <u>Management Science</u>, December, 1974.

"Time Series Analysis," in <u>Fi nancial Ana lysts' Handbook (ed.)</u>, S.N. Levine, Dow Jones, Inc., 1974.

"Portfolio Theory When Investment Relatives are Lognormally Distributed," <u>Journal of Finance</u>, September, 1974.

"The Multi-Period Consumption Investment Problem and Single Period Analysis," <u>Oxford</u> <u>Economic Papers</u>, July, 1974.

"On the Optimality of Some Multi-Period Portfolio Selection Criteria," <u>Journal of</u> <u>Business</u>, April, 1974.

"Estimating the Dependence Structure of Share Prices – Implications for Portfolio Selection," Journal of Finance, December, 1973.

"Asset Selection with Changing Capital Structure," <u>Journal of Financial and Quantitative</u> <u>Analysis</u>, June, 1973.

Comment on "An Operational Approach to Risk Screening," Journal of Finance, May, 1973.

"Valuation and the Cost of Capital for Regulated Industries: A Reply," <u>Journal of Finance</u>, December, 1972.

"The Economic Value of the Call Option," Journal of Finance, September, 1972.

"Earnings Estimates and the Accuracy of Expectational Data," Management Science, April, 1972.

"Improved Earnings Forecasts through Disaggregation of Economic Data," in <u>Applications</u> of <u>Management Science Models in Banking and Finance</u>, edited by Samuel Eilon and Terence Fowkes. (Gower Press, Ltd.; England, 1972).

"Improved Forecasting through the Design of Homogenous Groups," <u>Journal of</u> <u>Business</u>, October, 1971.

"Valuation and the Cost of Capital for Regulated Industries," <u>Journal of Finance</u>, June, 1971. Reprinted in Engler, <u>Managerial Finance Cases and Readings</u>.

"Dynamic Programming Models in Finance," Journal of Finance, May, 1971.

"Marginal Stockholder Tax Rates and the Clientele Effect," <u>The Review of Economic and</u> <u>Statistics</u>, February, 1970.

"Capital Rationing and External Discount Rates," Journal of Finance, June, 1970.

"Homogenous Groups and the Testing of Economic Hypothesis," <u>Journal of Financial and</u> <u>Quantitative Analysis</u>, January, 1970.

"Implications of Valuation Models: A Comment," <u>Proceedings of New York Society of Security</u> <u>Analysis</u>, April, 1969.

"The Effect of Share Repurchase on the Value of the Firm-Reply," <u>Journal of Finance</u>, December, 1968.

"The Cost of Retained Earnings: Implications of Share Repurchase," <u>Industrial Management</u> <u>Review</u>, Spring, 1968.

"The Effect of Share Repurchase on the Value of the Firm," Journal of Finance, March, 1968.

PAPERS PRESENTED

European Finance Association: 2008, 2007, 2006, 2004, 2003, 2002, 2001, 2000, 1998, 1997, 1996, 1195, 1994, 993, 1992, 1991, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1082, 1972, 1970.

American Finance Association National Meetings: 2004, 2003, 2001, 1996, 1985, 1983, 1982, 1975, 1974, 1969-1970.

NUMEROUS PRESENTATIONS AT

Eastern Finance Association, Econometric Society, Management Science, American Statistical Society, Operations Research Society, Institute for Quantitative Research in Finance, Midwestern Finance Association, Southern Finance Association, Western Finance Association, Financial Management Association, Danish Society of Financial Markets.

PRESENTATIONS AT SEVERAL UNIVERSITIES INCLUDING

Dartmouth College, University of Pennsylvania, University of California at Los Angeles, University of North Carolina, Indiana University, University of Texas, University of Virginia, University of Arizona, Ohio State University, University of Florida, State University of New York at Buffalo, IBIMEC Brazil, European Institute for Advanced Studies in Management, London Business School, French Association of Doctors in Economics, Tulane University, Duke University, University of Illinois, Georgia State University, Georgia Tech University, University of Southern California, University of Maryland, Massachusetts Institute of Technology, Emory University, University of Richmond, Boston College, Yale University, Princeton University, Universita Bocconi, Peking University, Stanford University, Tsinghua University, Melbourne Business School, University of New South Wales, Copenhagen Business School, Queensland University of Technology, Harvard University and Rudgers University.

MISCELLANEOUS

Keynote address – Chinese Finance Association ,2013

Keynote address - Professional Asset Management Conference, Netherlands, 2012

Keynote address – Portugal Finance Network, July 2012

Keynote address – Wharton Pension Research Council Symposium, May 2012.

Keynote address – University of Rotterdam Conference on Pensions and Investing, August 2011.

Keynote address - Finance Economics and Accounting Annual Meeting, November 2009.

Keynote address - International Finance Conference, City University, London, August 2009.

Keynote address - International Symposium on Forecasting, France, June 2008

Chaired session, American Finance Association Meeting, 2007

Member, Program Committee for AFA, 2007

Keynote address - The Infinity Conference at Trinity College, Dublin, June 2007.

Keynote address - Catholic University, Milan, Italy, May 2006.

Member, Program Committee for European Finance Association 2005-2007

Keynote address – Australasian Conference in Finance (Sydney, Australia), December 2005.

Keynote address – China International Conference in Finance (co-sponsored with MIT), July 2005.

Keynote address – University of Michigan Conference on Financial Markets, June 2005.

Keynote address - Australian Finance Conference, March 2004.

Keynote address - Financial Management Association, November 2003.

Keynote address – Israel Mutual Fund Conference, March 2003.

Keynote address – Wharton Conference on Mutual Funds, May 2002.

Invited Public Lecture – London Business School, May 2002.

Keynote address – Enquire, Europe, April 2002.

Keynote address – Pacific Basin Finance Economics and Accounting Conference, September 2001.

Keynote address - Taiwan Conference on Finance, June 2001.

Keynote address – Peking University Conference on Finance, June 2001.

Keynote address – European Financial Management Association, June 2000.

Keynote address – French Finance Association, June 1999.

Keynote address – Pension Advisory conference, San Diego, January 1998.

Keynote address - Mid-Sized Pension Management Conference, May 1997.

Research Seminar for Senior Financial Economists, Summer 1997, 1998, 1999, 2001.

Keynote address – Northern Finance Association, October 1997.

President, American Finance Association, 1995.

Vice President and President-elect, American Finance Association, 1994.

Keynote Speaker – Texas Symposium, 1994.

Member of Board of Directors of the American Finance Association, 1993-1998. 1980-1983.

Keynote Speaker – Asian Finance Association Annual Meeting, 1992.

Director, European Finance Association, 1992-1995, 1988-1990, 1974-1975.

Associate Editor, Journal of Banking and Finance, 1989 - present.

Director, Asset Management Initiative, NYU Salomon Center, 2003 - present.

Member, Advisory Board of the European Financial Review, 1998-2002.

Serves as contributor and referee for Japan and the <u>World Economy: International Journal of</u> <u>Theory and Policy</u>, 1988-Present.

Associate Editor, Journal of Accounting, Auditing and Finance, 1987-1998.

Editor<u>, Journal of Finance</u>, 1983-1988. Department Editor of Finance for <u>Management Science</u>, 1978-1983.

Member, Advisory Board of the Computer Applications Committee of the New York Society of Security Analysts, 1975-1981 1970-1972.

Co-Editor of the New York University Graduate School of Business Administration Monograph Series in Finance and Economics, 1975-1981.

Member, Editorial Board of Investment Manager's Handbook.

Served as referee for Journal of Finance, Management Science, Journal of Financial and Quantitative Analysis, Journal of Business, American Economic Review, Review of Economics and Statistics, Journal of Banking and Finance, Review of Financial Studies

PROFESSIONAL ACTIVITIES

Taught Executive Programs in:

Luxembourg, Singapore, Switzerland, Japan, China, Brazil, Argentina, Portugal, Greece, West Germany, and the United States.

Member of the Executive and Investment Committees of the Board of Directors of the National Bureau of Economic Research

Member of Board of Directors of:

The National Bureau of Economic Research The Japan Equity Fund Inc. - (Chairman of the Board) The Singapore Equity Fund Inc.

Previously Member of:

Board of Directors of TIAA
Board of Directors (and chairman of the Board) of CREF
Board of Directors of S.G. Cowen Funds
Board of Directors of DWS Funds and Chairman of Equity Committee
Board of Directors and Chairman of the Thai Equity Fund Inc.

Served as a consultant to several Financial Institutions, including, FTSE, Morgan Guaranty Bank, Equitable Assurance Company, Donaldson, Lufkin, and Jenrette; Blyth Eastman Dillon, Salomon Brothers, Manufactures Hanover, Nomura Securities, Ernst & Young, Anderson Consulting and Nomura Research Institute.

HONORS

Investment Committee of the National Bureau of Economic Research, 2009 Executive Committee of the National Bureau of Economic Research, 2008 Fellow, Institute for Quantitative Research, Nov. 2006 Fellow, American Finance Association Fellow, Financial Management Association Board of Directors, National Bureau of Economic Research, December 2005 James R. Vertin Award for lifetime achievement for producing a body of work with enduring value for Investment Professionals, 2004 President of the American Finance Association, 1996