John M. Longo, Ph.D., CFA 100 Rockefeller Road, Room 5129 Piscataway, NJ 08854

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SUMMARY: Globally recognized as an expert in Investments, Behavioral Finance, Hedge Funds, and Portfolio Management. My research has been cited in the curriculum that is required reading for all CFA candidates. Media appearances on CNBC, Bloomberg TV, Bloomberg Radio, Fox Business, BBC World, (Ron) Insana Quotient; quotes in *The Wall Street Journal, Thomson Reuters, Dow Jones MarketWatch* and dozens of other periodicals. Chief Investment Officer (CIO) and Chairman of the Investment Committee for The MDE Group, a \$1.2 billion registered investment advisor, nationally ranked by *Barron's*. Former Advisory Board member of Bloomberg's educational subsidiary (Bloomberg Institute). Former Vice President at Merrill Lynch. Twice led Rutgers students for a personal meeting with Warren Buffett in Omaha, Nebraska.

WORK RUTGERS BUSINESS SCHOOL

Newark / New Brunswick, NJ

EXPERIENCE Clinical Professor / Lecturer / Adjunct Professor of Finance June 1993- Present

Rutgers is the 8^{th} oldest college in the United States (founded in 1766) and one of the largest (56,000+ students) in North America.

- * Clinical Associate Professor appointment was effective July 1, 2007; Clinical (Full) Professor appointment was effective July 1, 2013
- Taught courses in Portfolio Management, Asset Pricing & Portfolio Analysis, Security Analysis & Trading, Applied Portfolio Management, Portfolio Theory, Investments, Investment Banking Analysis, Futures & Options, Financial Markets & Instruments, Introduction to Finance, International Capital Markets, Financial Planning, Hedge Funds, Overview of Financial Markets, and Corporate Finance.
- Named the inaugural winner of The Dean's Award for Teaching Innovation at the Rutgers Business School in 2005.
- Winner of Dean's Meritorious Teaching Service Award, 2010, 2011
- Faculty Advisor for CFA Institute / NYSSA Global Investment Research Challenge.
 - RBS has won the NY Regional and placed in the Final 4 (out of 500+ schools) globally three out of the past 5 years.
- Received among the highest student evaluations in the business school (typically 4.5+ out of 5).
- Active in providing mentoring and career counseling services to many RBS students and alumni.
- Taught International Executive MBA courses in Singapore and Beijing and Shanghai, China.
- Applied Portfolio Management Class (an innovative course where students manage real money) featured in several newspaper and magazine articles.
 - Portfolio has substantially outperformed the market since its inception and earned more than \$70,000 in profits for the Rutgers Business School.

- Supervised / directed research for over 650 stock reports (1995 present).
- Member of the Teaching Innovation Committee of the Rutgers Business School since 2007. Two periods as Committee (Co) Chair.
- Advised more than three-dozen students on Independent Study projects.
- Active in Business School fundraising / development activities, meeting with key alumni.
- Faculty Advisor for a trip of 35 Rutgers Business Students visiting billionaire Warren Buffett in Omaha Nebraska (March 10, 2005). Additional visit in April, 2011 while advising Rutgers team in the CFA Global Investment Research Challenge.
 - As a reference point, a 2012 charity lunch with Warren Buffett sold for \$3.5 million.
- Designed (with now Newark mayor Cory Booker) and lectured in program designed to teach Newark High School students about the financial markets, Fall 2005.
- Designed (and serves as one of the instructors for) "Program in Pharmaceutical Management" with Ben Sopranzetti and Mahmud Hassan.
 - Program generates tens of thousands of dollars per year for Rutgers Business School.

THE MDE GROUP and ACERTUS CAPITAL MGT Morristown, NJ and New York, NY

Chief Investment Officer & Chair of Investment Committee *

* Original appointment was as VP of Investment Strategy in 2002.

October 2002 – Present 2002.

- The MDE Group has \$1.2 billion under management for high net worth investors.
- Acertus Capital Management is a sister company of The MDE Group and sells investment products, using a combination of ETFs and Options, to other investment advisors.
 - Acertus currently manages approximately \$500 million.
- The MDE Group has been consistently rated as one of the best registered investment advisors (RIA) in America.
 - Ranked # 4 in the USA by *Barron's* in 2007 and 2006, and within the Top 50, 2006 present.
 - Also ranked among the best in the USA by *Bloomberg Wealth Manager* and *Worth* for the past 9 consecutive years.
- Chairman of the 8-person Investment Committee.
- Helped design customized investment solutions for clients ranging in wealth from \$3 million to \$200+ million.
- Invited speaker at many conferences across the country (e.g., New York, Las Vegas, Atlanta, etc.) delivering MDE's / Risk 3.0's thought leadership across a range of financial topics.
- (Ghost)writer for *Forbes* online columns, in conjunction with MDE's CEO, Mitchell Eichen.

CYBORG CAPITAL MANAGEMENT, LLC

Founder and President

March 2000- Present

■ Consultant to investment management, financial planning, financial training, and quantitative equity trading firms.

Clients for consulting and financial training activities include(d) Morgan Stanley, Bank of America, Citigroup, Bank of Portugal, National Bank of Kuwait, Bermuda Monetary Authority, Morgan Keegan, Shinhan Financial Group, FactSet / DealMaven, EuroMoney, DC Gardner, Bloomberg, Educational Testing Service (ETS), NY Society of Security Analysts, The Spaulding Group, Automated Trading Desk, Alexander Hamilton Financial Technologies, and ASPE Inc.

MERRILL LYNCH & CO., INC.

Plainsboro, NJ

Vice President, Management Science Group

March 1997 - Feb 2000

- Member of an international award-winning (1997 INFORMS Prize) group for Management Science.
- Named a Vice President within two years of joining the firm.
- Created (with other colleagues) quantitative investment products (*Merrill Lynch Strategy Power*) that eventually raised over \$1 billion in assets for the firm.
- Managed approximately \$3 million of capital for both the firm and a high net worth client of the firm with excellent results.
- Provided strategic management consulting services to executive management.

RUTGERS UNIVERSITY

New Brunswick, NJ

Research Assistant in Finance Department

Fall 1991- Spring 1995

■ Conducted research for internationally recognized scholars in Finance (Lawrence Fisher & Cheng F. Lee).

MERCK & COMPANY, INC

Rahway, NJ

Systems Developer & Programmer Intern

Summer 1990

■ Assisted executives in world headquarters with computer related issues.

AT&T BUSINESS MARKETS GROUP

East Brunswick, NJ Summer 1989

Business Analyst Intern

■ Worked on WATS 1-800 system of business accounts.

SAMPLE MEDIA

- TV / Radio: CNBC, Bloomberg TV, Fox Business, BBC World, (Ron) Insana Quotient, National Public Radio, Bloomberg Radio, TEDx, GreatInvestors.TV
- Periodicals: *The Wall Street Journal, Thomson Reuters, Dow Jones MarketWatch, Chicago Tribune, Star Ledger, Forbes* online (ghostwriter), + dozens of other articles.

EDUCATION

<u>PhD/MBA in Finance</u>, Rutgers University School of Management, Newark, NJ July 1995.

B.A. in Economics and Computer Science, Rutgers College, New Brunswick NJ, May 1991.

DealMaven Certificate in Financial Modeling, 2007.

DealMaven Certificate in Leveraged Buyouts (LBOs) / Leveraged Finance, 2008.

- 5-Year Continuing Education Certificate for CFA Charterholders.
- Awarded (in 2002) by the Association for Investment Management & Research (AIMR), administrator of the CFA Program.

THESIS Selecting Superior Securities: Using Discriminant Analysis and Neural Networks to Differentiate Between "Winner" and "Loser" Stocks.

RESEARCH

- J. Longo and M. Long, "Using Neural Networks to Differentiate Between Winner and Loser Stocks", *The Journal of Financial Statement Analysis*, Winter 1997, Vol. 2, No. 2, pp. 5-15.
- Lead Article in a peer reviewed *Institutional Investor* publication.

MENSA, THE INTERNATIONAL HIGH I.Q. SOCIETY Personal Finance Columnist

Central NJ Chapter May 1996- 2003

- Writer of a personal finance column called *Intelligent Investing* for the Central NJ Mensa periodical *FORVM*. Selected columns have been reproduced in other Mensa periodicals and on the national website.
- Published 45+ columns.
- Lectured on investment strategies at Mensa gatherings.

The Cyborg Capital Investment Newsletter (February, 2002 – January 2003)

- "Wall Street" type Fundamental Analysis and Market Commentary.
- Investment recommendations in *Newsletter* substantially outperformed the market over all short- and long-term periods.
- Twelve back issues available upon request.

M. Pompian and J. Longo, "A New Paradigm For The Practical Application Of Behavioral Finance: Correlating Personality Type And Gender With Established Biases", *The Journal of Wealth Management*, Fall 2004. This article also appeared in *The Guide To Integrated Wealth Management* (Ed. Jean Brunel), Institutional Investor: Spring 2004.

- Paper was also presented at an Institutional Investor conference in Fall 2003.
- Paper was selected as the lead article in Fall 2004 issue of *The Journal of Wealth Management*.
- * The MDE Group Investment Committee, "A Look Ahead at the Year Ahead Ten Investment Themes for 2004 and Our Five Strategic Wealth Management Themes to Capitalize on Them," January 2004.
- * Note: All research conducted for The MDE Group or Acertus Capital Management has been web published (www.mdegroup.com or www.acertuscap.com) and sent to more than 200 clients / prospective clients.
- J. Longo, "Municipal Bonds Still A Safe Haven?" The MDE Group, February 2004.
- Presentation was delivered to a group of high net worth prospective clients at the Madison Inn, Morristown, NJ, February 2004.

- J. Longo, "The Case For Active Management" The MDE Group, April 2004.
- Presentation was delivered to several groups of high net worth prospective clients from April 2004-present.
- J. Longo & M. Eichen, "Strategies For a Rising Interest Rate Environment" The MDE Group, May 2004.
- J. Longo & M. Eichen, "Aftermath of Interest Rate Shock" The MDE Group, June 2004.
- J. Longo & M. Eichen, "Taking the Awe Out Of Market Shocks" The MDE Group, August 2004.
- M. Pompian and J. Longo, "The Future Of Wealth Management: Incorporating Behavioral Finance Into Your Practice", *The Journal of Financial Planning*, Spring 2005.
- Paper argues that the best investment plan is not one that the portfolio optimizer produces, but rather the plan that a client can adhere to that also has a low probability of underperforming their long-term goals.
- *The Journal of Financial Planning* is the official journal of the Financial Planning Association.

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2005 and Our Five Strategic Wealth Management Themes to Capitalize on Them," January 2005.

- J. Longo & M. Eichen, "Fixed Income Alternatives" The MDE Group, April 2005.
- M. Eichen and J. Longo, The Future of Hedge Funds: Five Emerging (published on the website of the *Journal of Financial Planning*), January 2006.
- *Our study has been cited by MarHedge, a leading hedge fund periodical.*
- M. Eichen and J. Longo, "Investor Mistakes 101", *Financial Planning*, February 2006.
- M. Eichen, J. Longo and G. Myers, "Client And Advisor Evolution: Ten Guidelines For Effectively Navigating Change In The Financial Planning Environment." (working paper, 2006)

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2006 and Our Four Strategic Wealth Management Themes to Capitalize on Them," January 2006

J. Longo, "Best Practices In Investment Management For Small Sized Endowments and Foundations", white paper published by The MDE Group, September, 2006.

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2007 and Our Five Strategic Wealth Management Themes to Capitalize on Them," January 2007

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2008 and Our Four Strategic Wealth Management Themes to Capitalize on Them," January 2008

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2009 and Our Four Strategic Wealth Management Themes to Capitalize on Them," January 2009

Co-author / Editor of book entitled *Hedge Fund Alpha: A Framework For Generating And Understanding Investment Performance.*

- Published by World Scientific Press, April 2009. (317 pages)
- Authored or co-authored 10 of 15 chapters; edited 5 remaining chapters.
- Received positive review from journals, *Financial Analyst Journal* and *The Investment Professional*.
- Received grant from FactSet / DealMaven in partial support of this work.
- J. Longo, "Benchmarks for Alternative Investments," *Proceedings of the Performance Measurement Attribution & Risk Conference*, May, 2009.

Wealth LeadershipTM: The Evolution Of High Net Worth Portfolio Management, white paper published by The MDE Group, November, 2009.

J. Longo, "Liquidity Adjusted Returns and Performance Measures: Synching Public and Private Fund Performance," *Journal of Performance Measurement*, Winter 2009.

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2010 and Our Four Strategic Wealth Management Themes to Capitalize on Them," January 2010.

- J. Longo, "Risk Management for Hedge Funds," *Proceedings of The Performance Measurement Attribution & Risk Conference*, May, 2010.
- J. Longo and M. Eichen, "Risk 3.0 and the New Market Realities," *Marcus Evans Private Wealth Management Summit*, Las Vegas, NV, December, 2010.
- J. Longo and M. Eichen, "The Risk List 2011," web published at www.mdegroup.com, January 2011.
- M. Eichen and J. Longo, "Risk 3.0™: Investment Solutions for the New Market Realities," *Advisor Perspectives*, April 9, 2011. http://www.advisorperspectives.com/commentaries/mde_40811.php

- J. Longo, "Risk 3.0: A New Risk Approach for Private Wealth Management," *Proceedings of The Performance Measurement Attribution & Risk Conference*, May, 2011.
- J. Longo, "A Framework for Evaluating Hedge Fund Risk," *Journal of Performance Measurement*, Winter 2011/12, pp. 8-18.
 - Lead article
- J. Longo and M. Eichen, "The Risk List 2012," web published at www.mdegroup.com, January 2012.

The MDE Group Investment Committee, "A Look Ahead at the Year Ahead – Ten Investment Themes for 2012 and Our Four Strategic Wealth Management Themes to Capitalize on Them," January 2012.

- J. Longo, "Hedge Funds: Overview, Strategies, and Trends" *Handbook of Financial Econometrics and Statistics*, Springer, 2012.
- J. Longo and M. Eichen, "Hedge Funds, an Expensive Way to Lose Money", webcast and published at www.acertuscap.com, March, 2012.
- J. Longo and M. Eichen, "A Market in Denial Risks that Will Not Go Away", webcast and published at www.acertuscap.com, April, 2012
- J. Longo and M. Eichen, "Getting Client Cash off the Sidelines", webcast and published at www.acertuscap.com, May, 2012.
- J. Longo, "What We Know and Don't Know about Risk," forthcoming *The Proceedings of The Performance Measurement Attribution & Risk Conference*, May, 2012.
- J. Longo and M. Eichen, "Investing in a Slow Growth Environment", Presented to the Financial Planning Association of Connecticut, May 2012.
- J. Longo, "Hedge Fund Risk," Keynote Presentation, *Performance Measurement Forum*, Dublin, Ireland, June 21, 2012.
- J. Longo and M. Eichen, "A Correction Prediction Rings True as Economic Headwinds Persist", webcast and published at www.acertuscap.com, July, 2012.
- J. Longo and M. Eichen, "The Recent Death of the Modern Portfolio Theory", Presented to the Financial Planning Association of Georgia, August, 2012.
- J. Longo, "Hedge Funds" (Chapter in *Investor Behavior -- The Psychology of Financial Planning and Investing*), edited by C.F. Lee, published by Springer, 2013.

J. Longo, "Trading and Investment Strategies in Behavioral Finance" (Chapter in *Investor Behavior -- The Psychology of Financial Planning and Investing*), edited by K. Baker and V. Ricciardi, published by John Wiley & Sons in 2014.

M. Eichen and J. Longo, "A New Market Sentiment Indicator", *Journal of Indexes*, April, 2014.

EDITORIAL BOARDS

Inaugural Member of the Editorial Board for *The Investment Professional*, the flagship publication of the New York Society of Security Analysts. (2008 – 2010)

- Helped set strategic direction of the Journal and referred several articles.
- Member of Editorial Board for the *Journal of Performance Measurement*. (2009 Present)
- Member of Editorial Board for the *Journal of Financial Planning and Forecasting* (2007 Present)
- Referee for *The Review of Quantitative Finance and* Accounting (2006 Present)

TEACHING

EXPERIENCE Rutgers Business School Courses (EMBA, MBA & Undergraduate):

- Portfolio Theory.
- Applied Portfolio Management (students manage real money).
- Asset Pricing & Portfolio Analysis.
- Investment Banking Analysis (formerly known as Business Valuation)
- Hedge Funds (developed new elective, commenced in Fall 2011)
- International Capital Markets & Hedge Funds.
- Security Analysis & Trading.
- Investments.
- Futures & Options.
- Financial Markets & Instruments.
- Corporate Finance.
- Financial Management / Introduction to Finance.
- International Capital Markets
- Financial Analysis, Planning, & Forecasting.
- Overview of Financial Markets.

Executive Education:

Experienced at providing executive education at all levels, from Analysts and Associates to CEOs and Board Members.

- Course Director for Euromoney / DC Gardner (2008 present)
 - Delivered programs on a variety of financial topics for clients / delegates in North America, Europe, and Asia.

- Examples: Bermuda Monetary Authority, National Bank of Kuwait, Banco Português de Investimento (Portuguese Investment Bank), SEC of Ghana, Citigroup.
- Taught *Financial Management* in Singapore and Beijing & Shanghai, China to a group of high-level executives as part of Rutgers' International Executive MBA Program. (Fall 2000 present). Taught modules on Investment Management and Hedge Funds for domestic EMBA program.
- Designed / Taught "Global Financial Markets" module as part of the Rutgers / Center for Management Development "Mini-MBA" Program. (Fall 2002 – present).
 - The faculty for the "Mini-MBA" program are "hand picked" from among the best teachers at the Rutgers Business School.
 - Also teaching the "Investments" and "Financial Instruments" modules in the Mini-MBA in Finance Program.
- Designed / Taught "The Internet As The Ultimate Securities Analyst's Tool" for The New York Society of Security Analysts (July 2001 present).
 - Among the highest rated presentation in the history of the NYSSA Executive Education Forum.
 - Presentation has been attended by over 200 Fund Managers / Analysts and 300+ MBA / Undergraduate Students from Columbia, NYU, Yale, Rutgers, Fordham, Baruch, St. John's, Pace, and Seton Hall.
- NY Society of Security Analysts: "After-Tax Asset Allocation" (January 2002)
 - Designed / Co-Chaired Seminar with Stanley Lee and Ann Barber.
- NY Society of Security Analysts: "Behavioral Finance" (October 22nd, 2002).
 - Designed / Co-Chaired Seminar with Jonathan Bergner and Michael Pompian.
 - Keynote speakers were David Dreman of *Forbes* / Dreman Value Management and Jason Zweig of *Money* magazine.
- NY Society of Security Analysts: "Proactive Tax Strategies For Investors." (July 27th, 2004).
 - Designed / Chaired Seminar.

HONORS

- Completed PhD/MBA program in \approx 4yrs
- One of only 2 students out of 35,000+ to double major in Economics & Computer Science.
- College Honors and Departmental Honors in Economics & Computer Science.
- Completed Henry Rutgers Honors Thesis: An Empirical Study of Mutual Funds.
- Rutgers College Merit Scholarship (+ several other scholarships & honors).
- Treasury Management Association of NJ Scholarship

ACTIVITIES - CFA Charterholder (1998 – present)

& INTERESTS - Program Director, Rutgers - CFA Institute Partnership (2009 - present)

- Member, The CFA Institute (CFA).
 - o Sponsored many Rutgers students for the CFA Exam saving approximately 15 students per year each \$1200 in exam fees.
- Member, New York Society of Security Analysts (NYSSA), 2000 present.
- Member, NYSSA High Net Worth / Private Wealth Management Committee.
- Member, NYSSA Education Taskforce for High Net Worth Investors.
 - Group honored with Special Achievement / Volunteer of Year Award, 2002.
- Member, Mensa, The International High I.Q. Society.
- Member, Financial Planning Association (2011 Present)
- Established the Fisher, Long, Whitcomb Award for Teaching Excellence at Rutgers University in 1997.
 - \$25,000+ awarded since inception to PhD Students who have demonstrated teaching excellence in the classroom.
- Established the Brick-Whitcomb Prize for Research Excellence at Rutgers University in 2003.
 - \$7,000+ awarded since inception to MBA Students who submitted the best stock reports in the capstone MBA class, *Applied Portfolio Management*.
- Established Ben Sopranzetti Prize, awarded to students who do the most to help other students obtain "front office" jobs.
 - \$1,750 awarded each year from prize money earned by student teams that I supervised in case study competitions.
- Rutgers Faculty Advisor for Johnson & Johnson Case Study Competition.
 - o Rutgers' 2007 team placed 1st nationally.
 - o Rutgers' 2005 team placed 2nd nationally.
- Rutgers Faculty Advisor / "Coach" for CFA Institute Global Investment Research Challenge.
 - o Rutgers' 2011, 2010 and 2008 teams placed 1st in the NY Regional competition, outperforming 15 other leading business schools in the Tri-State area, and among the Top 4 in the world (500+ schools).
 - Teams rang closing bell at NASDAQ each year.
 - 2008 Team Interviewed on Fox Business News with Alexis Glick on April 21st, 2008.
 - 2011 Team Interviewed on Bloomberg TV by Lisa Murphy, June 29, 2011.
 - o Rutgers' 2007 team placed 2nd in the NY Regional competition.
 - o Rutgers' 2009 team placed 3rd in the NY Regional competition.
 - o Rutgers' 2010 team placed 2nd in the NY Regional competition.
 - o Rutgers teams have reached the "Final 4" 7 out of 9 years.
- Faculty Advisor, Rutgers Sales & Trading Club
- Faculty Advisor, Scarlet Capital Management
- Faculty Advisor, Rutgers Analyst Magazine
- Session Chair for Rutgers Business Conference on Financial Innovation.
- Collector of antique and high performance sports cars.
- Avid participant in and fan of most sports.

REFERENCES Distinguished Academic and Business References Available Upon Request