

Attilio Meucci

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- Led design and implementation of risk- and portfolio- management analytical systems
 - Well-published researcher in the fields of financial statistics, risk and portfolio construction
 - Professor at top graduate programs in quantitative finance
 - PhD in Mathematics, CFA certification, MA in Economics, BA summa cum laude in Physics
 - Fluent in six languages
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Work Experience

Bloomberg - ALPHA (portfolio analytics and risk), New York *August 2008 - present*

Head of Research

- Lead a research team to build an analytical platform for performance attribution, risk management, and portfolio optimization across all asset classes and regions
- Creator and editor of Bloomberg Research Paper Series on www.ssrn.com
- Creator and instructor of the six-day “Advanced Risk and Portfolio Management Bootcamp”
- Organizer of ALPHA research education roadshows

Lehman Brothers - POINT (portfolio analytics and risk), New York *March 2005 - June 2008*

Senior Vice President

- Sole inventor (patent pending) of Lehman Brothers’ simulation-based Global Risk Model to compute p&l distribution of fixed income, credit, mortgages, equities, FX and derivatives portfolios
- Designed quantitative models for investment banking: risk-adjusted optimal financing strategies, risk-adjusted M&A balance-sheet optimization, best strategic hedges for commodities/inflation
- Designed portfolio management models: Black-Litterman/copula opinion pooling; three-step multi-moment optimization heuristics with transaction costs
- Designed risk management models: risk attribution techniques, hedging tools, tail-risk analysis, hybrid non-parametric/MLE/Bayesian estimation, entropy-based portfolio aggregation, diversification measures
- Coached analytics team to implement the above techniques
- Advised and educated clients: executive trainings, publications, presentations

Relative Value International (hedge fund), Greenwich CT *July 2002 - August 2004*

Quantitative Analyst/Trader

- Equities: triplets within dynamical clusters
- Treasury basis: PCA-based cheap/rich scenario cube with mean-reverting third factor
- Eurodollar and forward swap curve: robust cointegration-based alpha
- Traded S&P '500 equity pairs and eurodollar curve roll-down/macro-adjusted statistical arbitrage

Bain & Company (management consulting), Milan *July 1999 - June 2002*

Vice President

- Designed quantitative financial models for: tactical allocation, strategic allocation, style analysis, market and credit risk management, personal financial planning, portfolio insurance
- Coached teams to implement the above models as stand-alone software applications: Excel user interface, MATLAB computational core, VBA connections
- Educated client’s top management (CEO's, CFO's, heads of quants)

Academic Appointments

- **Baruch College**, CUNY, M. Fin. Eng - *Adjunct Professor* *Summer 2009 - present*
- **New York University**, Courant Institute M Math. Fin. - *Adjunct Professor* *Spring 2005 - Fall 2008*
- **Columbia University**, New York, IEOR, M. Fin. Eng. - *Adjunct Professor* *Spring 2007*
- **University of Pavia**, M. Appl. Econometrics - *Adjunct Professor* *Spring 2002*
- **Bocconi University**, Milan, M. Econ. - *Adjunct Professor* *Fall 1999 - Spring 2002*
- **CEIBS**, Shanghai, MBA - *Adjunct Professor* *Fall 2001*
- **U.C. Berkeley**, Mathematics Dept. - *Visiting Scholar* *Fall 1995 - Spring 1997*
- **University of Milan**, Physics Dept. - *Teaching Assistant* *Fall 1994 - Spring 1995*

Executive Teaching

Sole instructor of multi-day workshop “Advanced Risk and Portfolio Management“

- **Baruch College - CUNY**, New York *2010, '09*
- **Courant Institute - NYU**, New York *2008*
- **Mathfinance**, Frankfurt *2008, '07*
- **Brazilian Mercantile and Futures Exchange**, Sao Paulo *2008*
- **Lehman Brothers**, London *2007*
- **Politecnico di Milano**, Milan *2007*
- **Instituto Nacional de Matematica Pura e Aplicada**, Rio de Janeiro *2007*
- **Salvo International**, Singapore *2006*
- **Bank of Italy**, Rome *2006*
- **Bocconi University**, Milan *2006*
- **Imperial College**, London *2006*

Education

- **PhD** Mathematics, University of Milan *1999*
- **CFA**, CFA Institute *2003*
- **MA** Economics, Bocconi University *1999*
- **BA** Physics *summa cum laude*, University of Milan *1994*

Languages

◆◆◆◆: near native ◆◆◆: fluent ◆◆: proficient ◆: basic knowledge

- English: ◆◆◆◆
- French: ◆◆◆ - Centre Culturel Francais¹, DALF²
- German: ◆◆◆ - Goethe Institut¹, GDS²
- Italian: ◆◆◆◆
- Spanish: ◆◆◆ - Instituto Cervantes¹, DELES²
- Mandarin Chinese: ◆◆◆
- Modern Greek: ◆◆

¹ Sole official institution ² Certificate of highest proficiency

Additional

- Co-director - GARP Chapter at Baruch College
- Board member - Society of Quantitative Analysts, New York

Publications

Books & monographs

- “Risk and Asset Allocation”, *Springer Quantitative Finance* (2005)
- “Mr. Risk: Getting to Know Him Better”, *EGEA - Bocconi University Press* (2002)
- “Introducing Mr.Risk”, *EGEA - Bocconi University Press* (2001)

Articles in journals

- “The Quant Classroom” (ongoing bi-monthly column), *Risk Professional Magazine - GARP*
- “Simulations with Exact Means and Covariances”, *Risk*, **22**, 7, 89-91 (2009)
- “Enhancing the Black-Litterman and Related Approaches: Views and Stress-Test on Risk Factors”, *Journal of Asset Management*, **10**, 2, 89-96 (2009)
- “Managing Diversification”, *Risk*, **22**, 5, 74-79 (2009)
- “Fully Flexible Views: Theory and Practice”, *Risk*, **21**, 10, 97-102 (2008)
- “Pricing Discretely Monitored Asian Options under Levy Processes”, with G.Fusai, *Journal of Banking and Finance*, **32**, 2076-2088 (2008)
- “Risk Contributions from Generic User-Defined Factors”, *Risk*, **20**, 6, 84-88 (2007)
- “Beyond Black-Litterman in Practice: a Five-Step Recipe to Input Views on Non-Normal Markets”, *Risk*, **19**, 9, 114-119 (2006)
- “Beyond Black-Litterman: Views on Non-Normal Markets”, *Risk*, **19**, 2, 87-92 (2006)
- “Broadening Horizons”, *Risk*, **17**, 12, 98-101 (2004)
- “Pitfalls in Linear Models for Style Analysis”, with F.Corielli, *Statistical Methods and Applications*, **13**, 1, 105-129 (2004)
- “Assessing Views”, with G.Fusai, *Risk*, **16**, 3, S18-S21 (2003)
- “A Common Pitfall in Mean-Variance Asset Allocation”, *Wilmott* (2001)

Articles in volumes

- “The Black-Litterman Approach: Original Model and Extensions”, *Encyclopedia of Quantitative Finance*, Wiley (2010, to appear)
- “Portfolio Management”, *IncisiveMedia* (2008), 5 out of 15 contributions in 15-author volume
- “Multi-period Optimal Asset Allocation for a Multi-Currency Hedged Portfolio”, with D.Mignacca, *Computational Methods in Decision-Making, Economics and Finance*, Kluwer, 1-12 (2002)

Mathematical Physics

- “Toda Equations, bi-Hamiltonian Systems, and Compatible Lie Algebroids”, *Mathematical Physics, Analysis and Geometry*, **4**, 131-146 (2001)
- “Compatible Lie Algebroids and Periodic Toda Lattice”, *J. of Geometry and Physics*, **35**, 273-287 (2000)
- “The bi-Hamiltonian Route to the Discrete Sato Grassmannian”, *Ph.D. dissertation, Univ. Milan* (1998)
- “A Generalization of Arnold Diffusion in Hamiltonian Systems”, *honor thesis, Univ. Milan* (1994)