

# Massimo Guidolin

Full Professor



**Knowledge Group:** Finance

**Research Domains:** Financial Markets

**Teaching Domains:** Alternative Investments, Asset Pricing, Derivatives, Portfolio Management

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## Biography

Massimo Guidolin is Full Professor of Financial Econometrics at Bocconi University and at SDA Bocconi.

He teaches portfolio management, asset pricing theory, empirical finance, derivative pricing and econometrics in graduate courses and in the Executive Master in Finance and in the Master Corporate Finance.

Massimo has published in top economics, econometrics, and finance outlets such as the American Economic Review, the Journal of Financial Economics, the Journal of Econometrics, the Review of Financial Studies, the Journal of Financial and Quantitative Analysis, and the Economic Journal. He serves on the editorial board of a number of journals, among them the Journal of Financial Econometrics (Oxford University Press), the Journal of Economic Dynamics and Control (Elsevier Press), the International Journal of Forecasting (Elsevier), and the International Review of Economics and Finance (Elsevier). His research spans a number of topics, going from non-linear time series models (such models with regimes, thresholds, and structural breaks) in finance and macroeconomics, methods and models in forecasting, applied dynamic portfolio choice in the presence of predictable asset returns, empirical option pricing, and asset pricing models with learning and belief dynamics. He has given several practitioner-oriented talks on smart beta and its application in long-term portfolio construction.

Massimo holds a Ph.D. from the University of California, San Diego (2000). His curriculum lists periods of employment with the University of Virginia as an assistant professor in financial economics, the Federal Reserve Bank of St. Louis at first as a senior economist and then as an Assistant Vice-President (Financial Markets), and the Accounting and Finance departments of Manchester Business School and then of University of Liverpool Management School as a chair full professor in Finance.

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## Articles in Scholarly Journals

### **Time-varying risk aversion and international stock returns**

GUIDOLIN, M., E. HANSEN, G. CABRERA, "Time-varying risk aversion and international stock returns", The North American Journal of Economics and Finance, 2025, vol. 75, pp. 102271

### **Do US Active Mutual Funds Make Good of Their ESG Promises? Evidence from Portfolio Holdings**

GUIDOLIN, M., M. MAGNANI, "Do US Active Mutual Funds Make Good of Their ESG Promises? Evidence from Portfolio Holdings", Risks, 2024, vol. 12, no. 2, pp. 41

### **Strong vs. stable: the impact of ESG ratings momentum and their volatility on the cost of equity capital**

MAGNANI, M., M. GUIDOLIN, I. BERK, "Strong vs. stable: the impact of ESG ratings momentum and their volatility on the cost of equity capital", Journal of Asset Management, 2024, vol. 25, no. 7, pp. 666-699

### **Forecasting the CBOE VIX and SKEW Indices Using Heterogeneous Autoregressive Models**

GUIDOLIN, M., G. F. PANZERI, "Forecasting the CBOE VIX and SKEW Indices Using Heterogeneous Autoregressive Models", Forecasting, 2024, vol. 6, no. 3, pp. 782-814

### **The Predictability of Real Estate Excess Returns: An Out-of-Sample Economic Value Analysis**

GUIDOLIN, M., M. PEDIO, M. T. PETROVA, "The Predictability of Real Estate Excess Returns: An Out-of-Sample Economic Value Analysis", Journal of Real Estate Finance and Economics, 2023, vol. 67, pp. 108-149

### **The dynamics of returns predictability in cryptocurrency markets**

BIANCHI, D., M. GUIDOLIN, M. PEDIO, "The dynamics of returns predictability in cryptocurrency markets", European Journal of Finance, 2023, vol. 29, no. 6, pp. 583-611

### **The empirical performance of option implied volatility surface-driven optimal portfolios**

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### **New ESG rating drivers in the cross-section of European stock returns**

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### **Performance persistence and optimal asset allocation strategies**

DESAI, P., M. GUIDOLIN, "Performance persistence and optimal asset allocation strategies", European Journal of Finance, 2022, vol. 28, no. 16, pp. 1571-1598

### **Switching Coefficients or Automatic Variable Selection: An Application in Forecasting Commodity Returns**

GUIDOLIN, M., M. PEDIO, "Switching Coefficients or Automatic Variable Selection: An Application in Forecasting Commodity Returns", Forecasting, 2022, vol. 4, no. 1, pp. 275-306

### **Can Investors Benefit from Hedge Fund Strategies? Utility-Based, Out-of-Sample Evidence**

GUIDOLIN, M., A. G. ORLOV, "Can Investors Benefit from Hedge Fund Strategies? Utility-Based, Out-of-Sample Evidence", The Quarterly Journal of Finance, 2022, vol. 12, no. 03

## **Forecasting commodity futures returns with stepwise regressions: Do commodity-specific factors help?**

GUIDOLIN, M., M. PEDIO, "Forecasting commodity futures returns with stepwise regressions: Do commodity-specific factors help?", *Annals of Operations Research*, 2021, vol. 299, no. 1-2, pp. 1317-1356

## **Time-varying price discovery in sovereign credit markets**

GUIDOLIN, M., M. PEDIO, A. TOSI, "Time-varying price discovery in sovereign credit markets", *Finance Research Letters*, 2021, vol. 38, pp. 101388

## **Media Attention vs. Sentiment as Drivers of Conditional Volatility Predictions: An Application to Brexit**

GUIDOLIN, M., M. PEDIO, "Media Attention vs. Sentiment as Drivers of Conditional Volatility Predictions: An Application to Brexit", *Finance Research Letters*, 2021, vol. 42, pp. 101943

## **Does the cost of private debt respond to monetary policy? Heteroskedasticity-based identification in a model with regimes**

GUIDOLIN, M., V. MASSAGLI, M. PEDIO, "Does the cost of private debt respond to monetary policy? Heteroskedasticity-based identification in a model with regimes", *European Journal of Finance*, 2021, vol. 27, no. 18, pp. 1804-1833

## **Monetary policy after the crisis: A threat to hedge funds' alphas?**

BERGLUND, A., M. GUIDOLIN, M. PEDIO, "Monetary policy after the crisis: A threat to hedge funds' alphas?", *Journal of Asset Management*, 2020, vol. 21, no. 3, pp. 219-238

## **Mildly explosive dynamics in U.S. fixed income markets**

CONTESSI, S., P. DE PACE, M. GUIDOLIN, "Mildly explosive dynamics in U.S. fixed income markets", *European Journal of Operational Research*, 2020, vol. 287, no. 2, pp. 712-724

## **Arbitrage risk and a sentiment as causes of persistent mispricing: The European evidence**

GUIDOLIN, M., A. RICCI, "Arbitrage risk and a sentiment as causes of persistent mispricing: The European evidence", *The Quarterly Review of Economics and Finance*, May 2020, vol. 76, pp. 1-11

## **Modeling systemic risk with Markov Switching Graphical SUR models**

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## **An empirical analysis of changes in the relative timeliness of issuer-paid vs. investor-paid ratings**

BERWART, E., M. GUIDOLIN, A. MILIDONIS, "An empirical analysis of changes in the relative timeliness of issuer-paid vs. investor-paid ratings", *Journal of Corporate Finance*, 2019, vol. 59, pp. 88-118

## **Cross-asset contagion in the financial crisis: A Bayesian time-varying parameter approach**

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### **Comparing in- and out-of-sample approaches to variance decomposition-based estimates of network connectedness an application to the Italian banking system**

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### **Dissecting the 2007–2009 Real Estate Market Bust: Systematic Pricing Correction or Just a Housing Fad?\***

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### **Estimating stochastic discount factor models with hidden regimes: Applications to commodity pricing**

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### **How good can heuristic-based forecasts be? A comparative performance of econometric and heuristic models for UK and US asset returns**

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### **Portfolio performance of linear SDF models: an out-of-sample assessment**

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### **Predictions of short-term rates and the expectations hypothesis**

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### **Macroeconomic Factors Strike Back: A Bayesian Change-Point Model of Time-Varying Risk Exposures and Premia in the U.S. Cross-Section**

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### **The impact of monetary policy on corporate bonds under regime shifts**

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### **The robustness of the volatility factor: linear versus nonlinear factor model**

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### **Volatility as an Alternative Asset Class: Does It Improve Portfolio Performance?**

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### **Ambiguity Aversion and Underdiversification**

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### **Pricing S&P 500 Index Options: A Conditional Semi-Nonparametric Approach**

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### **Learning to smile: Can rational learning explain predictable dynamics in the implied volatility surface?**

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### **Equally Weighted vs. Long-Run Optimal Portfolios**

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### **Can long-run dynamic optimal strategies outperform fixed-mix portfolios? Evidence from multiple data sets**

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### **Does the Macroeconomy Predict UK Asset Returns in a Nonlinear Fashion? Comprehensive Out-of-Sample Evidence**

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### **Can Linear Predictability Models Time Bull and Bear Real Estate Markets? Out-of-Sample Evidence from REIT Portfolios**

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### **Unconventional monetary policies and the corporate bond market**

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### **How did the financial crisis alter the correlations of U.S. yield spreads?**

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### **Myths and Facts about the Alleged Over-Pricing of U.S. Real Estate**

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### **Can we forecast the implied volatility surface dynamics of equity options? Predictability and economic value tests**

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### **Linear predictability vs. bull and bear market models in strategic asset allocation decisions: evidence from UK data**

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## **A yield spread perspective on the great financial crisis: Break-point test evidence**

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## **Forecasting yield spreads under crisis-induced multiple breakpoints**

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## **Time varying stock return predictability: Evidence from US sectors**

GUIDOLIN, M., D. G. MCMILLAN, M. E. WOHAR, "Time varying stock return predictability: Evidence from US sectors", Finance Research Letters, 2013, vol. 10, no. 1, pp. 34-40

## **Simple VARs cannot approximate Markov switching asset allocation decisions: An out-of-sample assessment**

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## **Can VAR models capture regime shifts in asset returns? A long-horizon strategic asset allocation perspective**

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## **Regime shifts in mean-variance efficient frontiers: Some international evidence**

GUIDOLIN, M., F. RIA, "Regime shifts in mean-variance efficient frontiers: Some international evidence", Journal of Asset Management, 2011, vol. 12, no. 5, pp. 322-349

## **The economic effects of violent conflict: Evidence from asset market reactions**

GUIDOLIN, M., E. LA FERRARA, "The economic effects of violent conflict: Evidence from asset market reactions", Journal of Peace Research, 2010, vol. 47, no. 6, pp. 671-684

## **A simple model of trading and pricing risky assets under ambiguity: any lessons for policy-makers?**

GUIDOLIN, M., F. RINALDI, "A simple model of trading and pricing risky assets under ambiguity: any lessons for policy-makers?", Applied Financial Economics, 2010, vol. 20, no. 1-2, pp. 105-135

## **Forecasts of US short-term interest rates: A flexible forecast combination approach**

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## **Time and Risk Diversification in Real Estate Investments: Assessing the Ex Post Economic Value**

FUGAZZA, C., M. GUIDOLIN, G. NICODANO, "Time and Risk Diversification in Real Estate Investments: Assessing the Ex Post Economic Value", Real Estate Economics, 2009, vol. 37, no. 3, pp. 341-381

## **Affiliated mutual funds and analyst optimism**

MOLA, S., M. GUIDOLIN, "Affiliated mutual funds and analyst optimism", Journal of Financial Economics, 2009, vol. 93, no. 1, pp. 108-137

### **Small caps in international equity portfolios: the effects of variance risk**

GUIDOLIN, M., G. NICODANO, "Small caps in international equity portfolios: the effects of variance risk", Annals of Finance, 2009, vol. 5, no. 1, pp. 15-48

### **Non-linear predictability in stock and bond returns: When and where is it exploitable?**

GUIDOLIN, M., S. HYDE, D. MCMILLAN, S. ONO, "Non-linear predictability in stock and bond returns: When and where is it exploitable?", International Journal of Forecasting, 2009, vol. 25, no. 2, pp. 373-399

### **What tames the Celtic Tiger? Portfolio implications from a Multivariate Markov Switching model**

GUIDOLIN, M., S. HYDE, "What tames the Celtic Tiger? Portfolio implications from a Multivariate Markov Switching model", Applied Financial Economics, 2009, vol. 19, no. 6, pp. 463-488

### **Diversifying in public real estate: The ex-post performance**

FUGAZZA, C., M. GUIDOLIN, G. NICODANO, "Diversifying in public real estate: The ex-post performance", Journal of Asset Management, 2008, vol. 8, no. 6, pp. 361-373

### **International asset allocation under regime switching, skew, and kurtosis preferences**

GUIDOLIN, M., A. TIMMERMANN, "International asset allocation under regime switching, skew, and kurtosis preferences", Review of Financial Studies, 2008, vol. 21, no. 2, pp. 889-935

### **Equity portfolio diversification under time-varying predictability: Evidence from Ireland, the US, and the UK**

GUIDOLIN, M., S. HYDE, "Equity portfolio diversification under time-varying predictability: Evidence from Ireland, the US, and the UK", Journal of Multinational Financial Management, 2008, vol. 18, no. 4, pp. 293-312

### **Diamonds Are Forever, Wars Are Not: Is Conflict Bad for Private Firms?**

GUIDOLIN, M., E. LA FERRARA, "Diamonds Are Forever, Wars Are Not: Is Conflict Bad for Private Firms?", American Economic Review, 2007, vol. 97, no. 5, pp. 1978-1993

### **Size and Value Anomalies under Regime Shifts**

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### **Asset allocation under multivariate regime switching**

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### **Investing for the Long-run in European Real Estate**

FUGAZZA, C., M. GUIDOLIN, G. NICODANO, "Investing for the Long-run in European Real Estate", Journal of Real Estate Finance and Economics, 2007, vol. 34, no. 1, pp. 35-80

### **Properties of equilibrium asset prices under alternative learning schemes**

GUIDOLIN, M., A. TIMMERMANN, "Properties of equilibrium asset prices under alternative learning schemes", Journal of Economic Dynamics and Control, 2007, vol. 31, no. 1, pp. 161-217

### **Predictable Dynamics in the S&P 500 Index Options Implied Volatility Surface\***

GONÇALVES, S., M. GUIDOLIN, "Predictable Dynamics in the S&P 500 Index Options Implied Volatility Surface\*", Journal of Business, 2006, vol. 79, no. 3, pp. 1591-1635

#### **Term structure of risk under alternative econometric specifications**

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#### **High equity premia and crash fears - Rational foundations**

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#### **An econometric model of nonlinear dynamics in the joint distribution of stock and bond returns**

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#### **Are the dynamic linkages between the macroeconomy and asset prices time-varying?**

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#### **Modelling the implied volatility surface: Does market efficiency matter?**

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#### **Pessimistic beliefs under rational learning: Quantitative implications for the equity premium puzzle**

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#### **Economic Implications of Bull and Bear Regimes in UK Stock and Bond Returns**

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#### **Home Bias and High Turnover in an Overlapping-generations Model with Learning**

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#### **Pricing and Informational Efficiency of the MIB30 Index Options Market. An Analysis with High-frequency Data**

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#### **Option prices under Bayesian learning: implied volatility dynamics and predictive densities**

GUIDOLIN, M., A. TIMMERMANN, "Option prices under Bayesian learning: implied volatility dynamics and predictive densities", Journal of Economic Dynamics and Control, 2003, vol. 27, no. 5, pp. 717-769

#### **Recursive Modeling of Nonlinear Dynamics in UK Stock Returns**

## Proceedings/Presentations

### **Nonlinear Dynamics in Monetary Policy-Fueled Stock Market Bubbles**

MAGNANI, M., M. GUIDOLIN, "Nonlinear Dynamics in Monetary Policy-Fueled Stock Market Bubbles" in FMA Annual Meeting, October 22-25, 2025, Vancouver, Canada

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## Contribution to Chapters, Books or Research Monographs

### **Machine Learning in Portfolio Decisions**

GUIDOLIN, M., "Machine Learning in Portfolio Decisions" in Artificial Intelligence and Beyond for Finance., Marco Corazza, René Garcia, Faisal Shah Khan, Davide La Torre, Hatem Masri (Eds.), World Scientific Publishers, chap. 1, pp. 1-72, 2024

### **Sharpening the Accuracy of Credit Scoring Models with Machine Learning Algorithms**

GUIDOLIN, M., M. PEDIO, "Sharpening the Accuracy of Credit Scoring Models with Machine Learning Algorithms" in Data Science for Economics and Finance., Sergio Consoli, Diego Reforgiato Recupero, Michaela Saisana (Eds.), Springer International Publishing, pp. 89-115, 2021

### **Asset-Backed Securities**

GUIDOLIN, M., M. PEDIO, "Asset-Backed Securities" in Debt Markets and Investments., H. Kent Baker, Greg Filbeck, and Andrew C. Spieler (Eds.), Oxford University Press, chap. 22, pp. 403-420, 2019

### **Preference Models in Portfolio Construction and Evaluation**

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### **Markov Switching in Portfolio Choice and Asset Pricing Models: A Survey**

GUIDOLIN, M., "Markov Switching in Portfolio Choice and Asset Pricing Models: A Survey" in Missing Data Methods: Time-Series Methods and Applications., David M. Drukker (Ed.), Emerald Group Publishing Limited, pp. 87-178, 2011

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### **Do Jumps Matter in Emerging Market Portfolio Strategies?**

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### **Detecting and Exploiting Regime Switching ARCH Dynamics in U.S. Stock and Bond Returns**

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### **The economic and statistical value of forecast combinations under regime switching: an application to predictable U.S. returns**

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## **Research Monographs**

### **Big Data e Sentiment Analysis. Il Futuro dell'Asset Management**

GUIDOLIN, M., M. MAGNANI, P. MAZZA - "Big Data e Sentiment Analysis. Il Futuro dell'Asset Management" - 2021, Egea, Milano, Italy

### **The Transmission Channels of Financial Shocks to Stock, Bond, and Asset-Backed Markets. An Empirical Model**

GUIDOLIN, M., V. FABBRINI, M. PEDIO - "The Transmission Channels of Financial Shocks to Stock, Bond, and Asset-Backed Markets. An Empirical Model" - 2015, Palgrave McMillan Publishing Company, United Kingdom

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## **Textbooks**

### **Essentials of Time Series for Financial Applications**

GUIDOLIN, M., M. PEDIO - "Essentials of Time Series for Financial Applications" - 2018, Academic Press, Cambridge, Massachusetts, United States of America

### **Essentials of applied portfolio management**

GUIDOLIN, M., M. PEDIO - "Essentials of applied portfolio management" - 2016, Bocconi University Press - BUP, Milano, Italy