Daniel Mantilla

Assistant Professor

Finance Area

Joined the School in 2017

Academic Background

2008 - 2011	Ph.D. in Finance. EDHEC Business School, Nice, France.
2006 - 2007	M.Sc., Risk and Asset Management, EDHEC Business School, Nice, France.
2001 - 2005	Bachelor in Industrial Engineering Universidad de los Andes, Bogotá, Colombia.

Teaching Experience

COURSES TAUGHT IN RECENT YEARS

Undergraduate

Investment Decisions

Financial Assests Management

Graduate

Project (Master in Finance)

Academic Activities

2017 – to date	Assistant Professor. Universidad de los Andes, School of Management, Bogotá, Colombia.
2011 – to date	Research Associate. EDHEC-Risk Institute, Nice, France.
2014 - 2017	Head of Research. Optimal Asset Management, Los Altos, CA, United States.
2011 - 2014	Head of Research & Development. Koris International, Sophia Antipolis, France.
2010 -2011	R&D Engineer. Koris International, Sophia Antipolis, France.
2008 - 2010	Research Assistant. EDHEC-Risk Institute, Nice, France.
2004 - 2006	Consulting projects with Prof. Julio E. Villareal by project. Advance Consultores, Bogotá, Colombia

Publications

ARTICLES IN ACADEMIC JOURNALS

2017	with Vaidyanathan V., Predicting stock returns in the presence of uncertain structural changes and sample noise. Financial Markets and Portfolio Management 31.3 (2017): 357 - 391.
2015	Growth Optimal Portfolio Insurance for Long-Term Investors, Journal Of Investment Management (2015) Vol.13 No.2, pp.59 - 93.

2014 Dynamic Allocation Strategies for Absolute and Relative Loss Control, Algorithmic Finance (2014), 3:3 - 4, 209 - 231.

2014 Dynamic-Allocation-Based Portfolio Insurance for Long-Term Investors Pensions & Investments (2014) (Research for Institutional Money Management supplement), Vol. 1, No. 4, August 2014.

2014 with Garcia R. and Martellini L., A Model-Free Measure of Aggregate Idiosyncratic Volatility and the Prediction of Market Returns, Journal of Financial and Quantitative Analysis, Vol. 49, No. 5, Oct. 2014.

2011 Essays on Idiosyncratic Risk and Return Predictability, PhD Thesis, EDHEC Business School, November 2011.

2008 Optimal portfolio choice: An Extreme Risk Management Approach, Cahiers du Centre N.3, Centre de Professions financiers, October 2008.

CONFERENCE PRESENTATIONS

2019 Paper presentation, EFMA conference, Azores Islands (Portugal), June 2019: ``Assets' Dependence Structure Implications for Portfolio Insurance''.

2019 Paper presentation, FEBS conference, Prague (Check Republic), June 2019: ``Assets' Dependence Structure Implications for Portfolio Insurance''.

2019 Invited keynote speech at IDB's red PLAC & AIOS international seminar, April 2019: ``Hacia un cambio de paradigma en soluciones de inversión para el retiro: ¿Una posible respuesta a la crisis pensional?''

2018 Paper presentation at II Congreso Internacional de Mercados Financieros. November 19 and 20, 2018. Universidad de los Andes, School of Management (Bogota). ``Assets' Dependence Structure Implications for Portfolio Insurance''.

2018 Invited talk at the World Economic Forum Workshop: Retirement Investment Systems Reform Project, Santiago, Chile, 25 October 2018. ``¿Qué problemas pueden resolver los SeLFIES de jubilación?''

2018 Talk at "Conversatorio de Reforma pensional", Universidad de los Andes, School of Management, 8 October 2018. ``¿Qué problemas pueden resolver los SeLFIES de jubilación?''

2018 Paper presentation at Financial Engineering and Banking Society conference 2018 (FEBS), in Rome. ``Maximizing the Volatility Return: A Risk-Based Strategy for Homogeneous Groups of Assets''.

2016 Guest Lecture on the Risk Management Seminar 217 on "Disentangling the Volatility Return: A Predictable Return Driver of Any Diversified Portfolio'', UC Berkeley Economics and UC Berkeley Statistics. September 13, 2016.

2015 by co-author Maxime Bonelli, paper presentations of "An Alternative Model of Expected Returns and its Implications for Return Predictability". European Financial Management Association 2015 Annual Meeting, the 8th International Conference on Computational and Financial Econometrics, the Forecasting Financial Markets Conference 2015, the 32nd International Conference of the French Finance Association (AFFI), and the 5th International Conference of the Financial Engineering and Banking Society (FEBS).

2013 Conference talk on "Efficient Risk Transfer under Solvency II''. EDHEC-Risk Days Europe. London, March 2013.

2013 Guest Lecture in Msc. course "Advanced Topics in Finance II - Asset Allocation''. Birkbeck College, University of London. January 2013.

2012 Conference talk on “Advances in Dynamic Risk Control". EDHEC-Risk Days Europe. London, March 2012.

2009 Vaidyanathan V. (co-author), “Predicting Stock Returns in the presence of Uncertain Structural Changes and Sample Noise”, Presented at the 2nd International Workshop of the ERCIM, Cyprus, October 2009.

2008 Seminar talk on “Optimal Portfolio choice: an integrated extreme risk management approach". Petits-déjeuners of the French Association of Asset and Liability Managers (AFGAP), April 2008.

2005 Análisis del Precio Internacional del Petróleo con la Teoría del Valor Extremo, Presented at the Industrial Engineering Seminar, Universidad de los Andes, Bogotá, Colombia. December 2005.

WORKING PAPERS

2019 “Assets' Dependence Structure Implications for Portfolio Insurance Strategies” with Enrique ter Horst, German Molina and Emilien Audeguil.

2018 “Maximizing the Volatility Return: A Risk-Based Strategy for Homogeneous Groups of Assets”.

2015 EDHEC-Risk publication. “An Alternative Model of Expected Returns and its Implications for Return Predictability”, with Bonelli M.

2014 with Emilien Audeguil, “Tail-Risk Tracking Error Estimation with Copulas and Implications for Portfolio Insurance”, 2014.

2014 EDHEC-Risk publication, with Bonelli M., “Should a Skeptical Portfolio Insurer Use an Optimal or a Risk-Based Multiplier?” 2014.

OTHER PUBLICATIONS.

2018 Mantilla D. (2018) ‘Selfies’ de jubilación para mayor cobertura. Portafolio (ISSN 0123-6326)

Scholarships and Academic Distinctions

2008 PRMIA (Professional Risk Managers' International Association) and AFGAP (Association Francaise des Gestionnaires Actif-Passif) award for best Msc. thesis in Economics and Finance national contest: "Concours des mémoires de l'économie et de la finance", Paris, 2008.

2006 - 2007 EDHEC Foundation Scholarship, 2006 - 2007.

2006 Edhec-Olympia Alternative Investments, 2006 Scholarship, summer seminar. Full tuition waiver for the duration of the PhD at EDHEC Business School.