Professeur (Full) Daniel MANTILLA GARCIA

Département de rattachement: Finance, Accounting and Management Control

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FORMATION

Diplôme le plus élevé :

2011	Ph.D in Finance, EDHEC, France *Empirical Finance and Optimal Portfolio Choice*
2007	Msc. in Risk and Asset Management, EDHEC, France
2005	Eng., Industrial Engineering, Universidad de los Andes, Colombie

EXPÉRIENCE ACADÉMIQUE ET PROFESSIONNELLE

Expériences académiques

Depuis 2026	Professeur (Full), ESSCA School of Management, France
Depuis 2026	Chef de département académique Finance, Universidad de los Andes, Colombie
Depuis 2022	Professeur associé, Universidad de los Andes, Colombie
Depuis 2022	Chercheur associé, Netspar (Dutch Network for Pensions, Aging and Retirement), Pays-Bas
2024 - 2024	Chercheur invité (Netspar Grant Project), Universiteit van Amsterdam, Pays-Bas
2017 - 2022	Professeur assistant, Universidad de los Andes, Colombie
2011 - 2022	Chercheur associé, EDHEC-Risk Institute, EDHEC, France
2007 - 2010	Assistant recherche, EDHEC-Risk Institute,, EDHEC, France

Expériences en entreprise

2014 - 2017	Chargé de recherche, Optimal Asset Management, Etats-Unis d'Amérique
2011 - 2014	Chargé de recherche et de développement, Koris International, France
2010 - 2012	Ingénieur recherche et développement, Koris International, France

PRIX, DISTINCTIONS ET BOURSES

2008	Award for best Msc. thesis in Economics and Finance national contest : Concours des mémoires de l'économie et de la finance. PRMIA (Professional Risk Managers' International Association) and AFGAP (Association Francaise des Gestionnaires Actif-Passif), -
2006	Edhec Foundation Scholarship, EDHEC, France

PUBLICATIONS SCIENTIFIQUES

Articles évalués par les pairs

MANTILLA GARCIA, D., MARTELLINI, L., GARCIA-HUITRÓN, M.E. et MARTINEZ-CARRASCO, M.A. (2024). Back to the funding ratio! Addressing the duration puzzle and retirement income risk of defined contribution pension plans. *Journal of Banking & Finance*, 159, pp. 107061.

MANTILLA GARCIA, D., GARCÍA-HUITRÓN, M.E., CONCHA-PERDOMO, A. et ALDANA-GALINDO, J.R. (2023). Is my pension fund more expensive? Estimating equivalent assets-based and contribution-based management fees. *Journal of Business Research*, 167, pp. 114101.

MANTILLA GARCIA, D., MALAGON, J. et ALDANA-GALINDO, J.R. (2022). Can the portfolio excess growth rate explain the predictive power of idiosyncratic volatility? *Finance Research Letters*, 47(part A), pp. 102577.

MANTILLA GARCIA, D., MARTELLINI, L., MILHAU, V. et RAMIREZ-GARRIDO, H.E. (2022). Improving Interest Rate Risk Hedging Strategies through Regularization. *Financial Analysts Journal*, 78(4), pp. 18-36.

MANTILLA GARCIA, D., TER HORST, E.A., AUDEGUIL, E. et MOLINA, G. (2021). Asset Dependency Structures and Portfolio Insurance Strategies. *International Journal of Theoretical and Applied Finance*, 24(03), pp. 2150016.

MANTILLA GARCIA, D. et VAIDYANATHAN, V. (2017). Predicting stock returns in the presence of uncertain structural changes and sample noise. *Financial Markets and Portfolio Management*, 31(3), pp. 357-391.

MANTILLA GARCIA, D. (2015). Growth Optimal Portfolio Insurance for Long-Term Investors, *Journal of Investment Management*, 12(2), pp. 59-93.

GARCIA, R., MANTILLA GARCIA, D. et MARTELLINI, L. (2014). A Model-Free Measure of Aggregate Idiosyncratic Volatility and the Prediction of Market Returns. *Journal of Financial and Quantitative Analysis*, 49(5-6), pp. 1133-1165.

MANTILLA GARCIA, D. (2014). Dynamic allocation strategies for absolute and relative loss control. *Algorithmic Finance*, 3(3-4), pp. 209-231.

Autres contributions dans des revues scientifiques

MANTILLA GARCIA, D. (2008). Optimal portfolio choice : An Extreme Risk Management Approach. *Les Cahiers du centre* Septembre, pp. 18-25.

Communications (conférences avec comité de sélection)

MANTILLA GARCIA, D., GARCIA-HUITRÓN, M.E., ALDANA-GALINDO, J.R. et CONCHA-PERDOMO, A. (2021). Is My Pension Fund More Expensive? Estimating Equivalent AUM-based and Contributions-based Management Fees. Dans: Business Association of Latin American Studies (BALAS) 2021 Annual Conference. Universidad de Los Andes, Bogota.

MANTILLA GARCIA, D., TER HORST, E.A., MOLINA, G. et AUDEGUIL, (2019). Assets' Dependence Structure Implications for Portfolio Insurance. Dans: European Financial Management Association meetings. University of the Azores Ponta Delgada, S. Miguel Island, Azores.

MANTILLA GARCIA, D., TER HORST, E.A., MOLINA, G. et AUDEGUIL, (2019). Assets' Dependence Structure Implications for Portfolio Insurance". Dans: 9th International Conference of the Financial Engineering and Banking Society (FEBS). Prague.

MANTILLA GARCIA, D. (2018). Maximizing the Volatility Return: A Risk-Based Strategy for Homogeneous Groups of Assets. Dans: 8th International Conference Financial Engineering and Banking Society. Università di Roma Tre.

Présentations dans un séminaire de recherche

MANTILLA GARCIA, D. (2024). Retirement Income Loss Control Strategies. Dans: TiSEM's seminars: Quantitative Finance and Actuarial Science Workshop. Tilburg University, School of Economics.

MANTILLA GARCIA, D. (2024). Back to the funding ratio: Addressing the duration puzzle and retirement income risk of defined contribution pension plans", Dans: ASMF Seminar. University of Amsterdam, School of Economics.

MANTILLA GARCIA, D. (2016). Disentangling the Volatility Return: A Predictable Return Driver of Any Diversified Portfolio. Dans: Risk Management Seminar 217. UC Berkeley Economics.

MANTILLA GARCIA, D. (2013). Efficient Risk Transfer under Solvency II. Dans: EDHEC-Risk Days Europe. London.

MANTILLA GARCIA, D. (2012). Advances in Dynamic Risk Control. Dans: EDHEC-Risk Days Europe. London.

MANTILLA GARCIA, D. (2005). Analisis del Precio Internacional del Petroleo con la Teora del Valor Extremo. Dans: Industrial Engineering Seminar. Universidad de los Andes, Bogota.

Contributions intellectuelles orientées vers la pratique, diffusion des savoirs

MANTILLA GARCIA, D., BECERRA CAMARGO, O.R., GARCIA-HUITRÓN, M.E. et HOFSTETTER GASCÓN, M. (2025). Nota Macro n° 59: Fondos generacionales en el nuevo sistema de pensiones: Recomendaciones de regulación. Facultad de Economía - Universidad de los Andes.

MANTILLA GARCIA, D. (2021). Technical Notes: PLAC Network Best Practices Series: Target-Income Design of Incentives, Benchmark Portfolios and Performance Metrics for Pension Funds. Inter-American Development Bank.

ACTIVITÉS DE RECHERCHE

Activités éditoriales

Membre de comité éditorial

Depuis 2024 Membre du comité de rédaction, Financial Analysts Journal

Service à la discipline

Membre actif d'une association scientifique ou académique

2020 - 2022 Membre du comité consultatif, Colombian Climate Asset Disclosure Initiative (CCADI), Colombie

Service à la communauté professionnelle

Activités en contact avec des dirigeants d'entreprise ou des décideurs publics

Depuis 2024 Membre du comité d'investissement, CAXDAC (Pension Fund of the Colombian Aviators Association), Colombie

Participation à des événements professionnels, tables rondes

2024 - 2024 "Retirement Income Loss Control Strategies", Netspar Pension Day 2024, Pays-Bas

2023 - 2023 "SeLFIES de jubilacion: La revolucion 'tecnologica' que mejoraria los ingresos en retiro de los colombianos". CAF - banco de desarrollo de America Latina y El Caribe, Colombie

2023 - 2023 "Estrategias de Inversion para asegurar un ingreso futuro". CFA Webminar, Universidad de los Andes, Colombie

2022 - 2022 "Mejores practicas en diseno de incentivos, portafolios de referencia y medicion del desempeno para fondos de pensiones". Interamerican Development Bank and

Subsecretara de Prevision Social de Chile Workshop
for Government Oficials, Chili

2022 - 2022 "Back to The Funding Ratio! Improving Incentives and Retirement Security in Defined Contribution Plans with a Hedgeable Liability Measure". Netspar International PensionsWorkskshop 2022, Universiteit van Amsterdam, Pays-Bas

2021 - 2021 "Aligning Pension Fund Strategies with their Investors' Objectives". The Global Pensions Programme 8th Edition

2020 - 2020 "Appropriate Risk and Performance Metrics for Pension Funds". International Seminar \Actuarial Practice and Oversight in Social Security" organized by the U.S. Treasury Department for the Superintendencia de Bancos de Ecuador

2020 - 2020 Seminar: best practices in pension fund management. Superindendencia Financiera de Colombia (SFC)

2019 - 2019 Keynote speech at Inter-American Development Bank's PLAC network & AIOS international seminar. "Hacia un cambio de paradigma en soluciones de inversion para el retiro: Una posible respuesta a la crisis pensional?", Uruguay

2018 - 2018 Invited talk at the World Economic Forum, Retirement Investment Systems Reform Project. "Que problemas pueden resolver los SeLFIES de jubilacion?", Chili

2008 - 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)