JULIAN PAREJA VASSEUR

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CONTACT INFORMATION

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Julian Pareja Vasseur is Titular professor in the Department of Finance in the School of Economics and Finance at Universidad EAFIT in Medellin, Colombia and he is Doctor of Business Administration at Centrum-Universidad Catolica del Perú. He lead the young researcher group "Semillero de Investigación de Finanzas-Bufete Financiero" and served as local chair for the 18th International Conference Real Options. His research interests are Corporate Finance, Enterprise Valuation, Real Options, Stochastic Volatility and Derivatives Valuation

Research and teaching interests: Real Options, Enterprise and Derivatives Valuation, Corporate Finance, Risk Analysis and Financial Simulation, Stochastic Volatility.

EDUCATION

Doctoral Business Administration (DBA)	Administration	Centrum Católica del Perú	2014-2019
Master of Science (MSc)	Finance	EAFIT University	2007-2009
Graduate Studies	Finance	EAFIT University	2000-2001
Bachelor	Administration	EAFIT University	1994-2000

PROFESSIONAL AND RESEARCH EXPERIENCE

Universidad EAFIT – School of Economics and Finance, Medellin Colombia
Finance Professor — 01/2000-Present

Group Liverpool
Management Assistant — 02/1998-02/2001

PUBLICATIONS

Refereed

- "Quadrinomial Trees to Value Options in Stochastic Volatility Models" with Freddy Marin (EAFIT) *The Journal of Derivatives 2019.*
- "Estimación del índice de aversión al riesgo utilizando la función CRRA mediante un diseño experimental" with Julio Anibal Baena (EAFIT) *Espacios Vol. 39 Num. 13 2018.*
- "Market Risk, Non-parametric Methods: Hong-Kong Case" with Marcos Gallego (Divertronica) and Mauricio Mejia (Banco de Occidente) *Economia Coyuntural Vol. 2 Num. 4 2017.*
- "Valoración de Patentes Farmacéuticas a través de Opciones Reales: Equivalentes de Certeza y Función de Utilidad" with Carolina Cadavid (EAFIT) *Contaduría y Administración Vol. 61 Num. 4 December 2016.*
- "Evaluación Mediante Opciones Reales de Proyectos de Inversión en el Sector de Distribución de Combustibles" with Mauricio Mejía (Banco de Occidente) and Marcos Gallego (Divertronica) *Estocástica: Finanzas y Riesgo Vol. 6 Num. 2 2016.*
- "Valoración de Opciones Reales a través de Equivalentes de Certeza" with Cecilia Maya (XM-ISA) *Ecos de Economía Vol. 18 Num. 39 Second Semester 2014.*
- "Proyección de la TIR del Inversionista a través de Ecuaciones Lineales" with Maribel Serna (Universidad EAFIT) *Revista Universidad EAFIT Vol. 44 Num. 152 2008.*

Work. Papers "Estimacion de la Volatilidad en Opciones Reales para un Proyecto en Colombia" (Aplicación Practica) with Joan Esteban Molina.

"Valoración de Patentes: Un acercamiento desde las Opciones Reales" with Andrea Davila and Karen Tapias Cohen.
"Estrategia de Cobertura mediante contratos forward en el mercado eléctrico Chileno" with Monica Paola Florez (EPM).
"Opciones Reales en la evaluación financiera para la gestión de proyectos de infraestructura vial con ingreso garantizado en la modalidad de alianza público-privada" with Gustavo Adolfo Chaverra and Leonardo Cardona.

Papers in prog.

- "Volatilidad en opciones reales: revisión literaria y un caso de aplicación en el sector petrolero colombiano." with Marcela Prada and Martha Moreno (EAFIT).
- "Volatility type GARCH in multiplicative quadrinomial trees method. A case of application in real options" with Freddy Marin (EAFIT).

"Option Valuation with CRRA function" with Freddy Marin and Diego Manzur.
"Real Option Valuation using multiplicative quadrinomial trees method" with Freddy Marin.

Books

"Estadística para datos categóricos" with Maribel Serna ISBN: 978-958-720-483-4 Editorial Centro de publicaciones Universidad EAFIT

TEACHING EXPERIENCE

Universidad EAFIT, Medellin Colombia

Statistics and Computational Tools (Masters)	2018-2019
Financial Simulation (Masters and Undergraduate)	2008-2019
Firm Valuation (Masters and Undergraduate)	2014-2015
Corporate Finance (Masters and Undergraduate)	2012-2019
Long-term Financial Management (Undergraduate)	2004-2010
Financial Mathematics (Masters and Undergraduate)	2000-2010

THESIS ADVISING

Master: Anyela Acevedo and Joana Rodriguez "Investment project financial viability using Real Option Valuation. Case of an international freight" 2018
Master: Marisol Montoya and Luis Guevara "Coltejer S.A Burkenroad Valuation" 2018
Master: Jorge Guzman and Edwin Giraldo "Start-Up Colombian company valuation using Real Options Approach" 2018
Master: Hugo Patiño and Cesar Romero "Ecopetrol S.A Burkenroad Valuation" 2018
Master: Andres Mejia and Pablo Cano "Fabricato Free Cash Flow Valuation" 2017
Master: Daniel Arteaga and Carolina Restrepo "COOK Company Valuation Based on Decision Trees" 2017
Master: Carolina Arias and Daniel Urrego "Mineros S.A Valuation" 2016
Master: Julio Anibal Baena "Risk aversion index estimation through an experimental design using CRRA function" 2016
Master: Marcela Prada and Martha Moreno "Volatility Estimation through the Godihno and Brandao Theoretical Assumptions in the Real Options Valuation: Applied Case in a Project Oil Sector in Colombia" 2016
Master: Gustavo Chaverra and Leonardo Cardona "Real Options in the financial evaluation for the management of road infrastructure projects with guaranteed income in public-private partnership" 2016
Master: Alvaro Hernandez and David Echeverri "Mineros S.A Burkenroad Valuation" 2016
Master: Nathalie Donato and Nicolas Forero "Real option Valuation in uncertainly situations: Mass consumption company Colombian case" 2016
BA economics: Karen Tapias and Jenny Echeverri "Experimental economics and risk aversion: an approach based on the Expo-Power function" 2016
Master: Francisco Velez "Private Company Valuation in the health sector: Intergastro Endoscopic Unit" 2016
Master: Diego Jaramillo "Impact of decision factors on the financial valuation of oil projects industry: Boyacá-Casanare-Meta case" 2015
Master: Juan Giraldo and Santiago Zapata "Evolution analysis of market risk in Hong Kong market through Var methodology" 2015
Master: Beatriz Giraldo "Measure of Efficiency of the Tariff Framework in water and sewage

companies over 25,000 users" 2014
Master: Marcos Gallego y Mauricio Mejia "Real Options Valuation of Wholesale Fuels Distributor" 2014
Master: Monica Paola Florez "Hedging Strategy Using Forward Contracts in Chilean Electricity Market" 2014
Master: Luis Eduardo Villegas and Juan Martin Uribe "Giros y Finanzas Valuation" 2014
Master: Isabel Cristina Alzate and Claudia Fernanda Villegas "University-confidential Valuation" 2014
Master: Alejandro Rico and Camilo Calle "Real Option Valuation of a Freight Company" 2014
Master: Andres Osorio "Financial analysis and risk for an expansion project: a new production plant" 2013
Master: Daniel Saffón and Enrique Molina "Alpina Industries Valuation" 2013
Master: Alvaro Hernan Correa, Santiago Cardenas and Nathalie Garcia "University-confidential Valuation" 2012
BA economics: Marcos Marrero "Traditional methodologies for estimating volatility in real options valuation: an approach from the theory of value" 2011
Master: Alvaro Alejandro Urrea, Gregorio Toro, Juan Sebastian Ramirez and Marcos Gallego "Ecopetrol Valuation" 2010

REFEREE ACTIVITIES

Innovar Journal, Universidad Medellin Journal, Real Option Conference, Economia Coyuntural Journal, Estocástica Journal, Inge Cuc Journal, Civilizar Journal, Análisis Económico Journal, Universidad de los Andes project, Pensamiento & Gestión Journal.

CONFERENCES AND SEMINARS

2014 18th Real Options Conference, *Medellin, Colombia*.
2014 I International Conference on Finance, *Bucaramanga, Colombia*.
2013 V International Economy and Finance Symposium, *Medellin, Colombia*.
2012 II International Meeting of Administration Researchers, *Cali, Colombia*.
2012 IV International Economy and Finance Symposium, *Medellin, Colombia*.
2011 I International Meeting of Administration Researchers, *Bogotá, Colombia*.
2011 III International Economy and Finance Symposium, *Medellin, Colombia*.
2010 Risk Analysis and Decision Forum, *Lima, Perú*.
2010 Cladea Convention, *Cartagena, Colombia*.
2010 II International Economy and Finance Symposium, *Medellin, Colombia*.

CONFERENCE AND SEMINAR ORGANIZATION

2014 18th Real Options Conference, *Medellin, Colombia*.
2013 V International Economy and Finance Symposium, *Medellin, Colombia*.
2012 IV International Economy and Finance Symposium, *Medellin, Colombia*.
2011 III International Economy and Finance Symposium, *Medellin, Colombia*.
2010 II International Economy and Finance Symposium, *Medellin, Colombia*.

AFILIATIONS

Real Options Group

LANGUAGES, SKILLS/INTERESTS

Software: Stata, Risk Simulator, Palisade Decision Tools, Eviews, Crystalball, Matlab
Languages: Spanish (Native), English (Good), French (Fair)