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[www.marcchesney.com](http://www.marcchesney.com)

## **Academic Positions**

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### **Current Positions**

Professor of Mathematical Finance, Department of Banking and Finance, University of Zurich, 2003 to present

Chair of the Center of Competence for Sustainable Finance, University of Zurich, January 2020 to present

Academic guest: Department of Philosophy, University of Zurich, August 2021 to present

Associated member, The Center for Ethics, University of Zurich, August 2021 to present

President of the AREF Association (L'Association pour le Renouveau de la Recherche et de l'Enseignement en Economie et Finance), based at the University of Fribourg, March 2017 to present

Steering committee member of the Sustainability Research Initiative of the Swiss Academy of Sciences (SCNAT) and Chair of the working group: Economic and finance systems for wellbeing, 2018 to present

Board member of the Ethos Foundation, June 2020 to present

Finance Watch member, 2013 to present

### **Former Positions**

Director, Department of Banking and Finance, University of Zurich, August 2015 to July 2021

Full Professor at HEC Group  
Department of Finance and Economics from 1993 – 2003

Associate Dean, Head of the HEC Doctoral Program, 1993 – 1999, Director of the Master in International Finance Program, 2002,

Directeur CEBC (Centre d'Études sur le Blanchiment et la Corruption), Paris, 2001 – 2002

## Education

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1994	«Habilitation à diriger des recherches», Panthéon-Sorbonne University
1989	Ph. D. in Finance, obtained with distinction, unanimous awarded by the jury, University of Geneva
1987	University of Illinois, USA, Visiting Scholar, Fall Semester
1986	Master's degree in Economics, (Diplôme d'Économie Politique) University of Geneva
1984	Master's degree in Econometrics (Diploma of Advanced Studies in Econometrics: DEA), Université de Paris
1983	Master's degree in Applied Mathematics (Diploma of Advanced Studies: DEA), Université de Paris
1981	Post graduate degree (Maitrise) in Pure and Applied Mathematics, Université de Paris
1980	Bachelor's Degree in Mathematics, Université de Paris
1979	Scientific Undergraduate Diploma DEUG, Université de Paris

## Teaching or research activities as Adjunct Professor or as visiting Professor

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2013 to 2017	University of Geneva
2010-2012	Research Fellow, ZRWP, Collegium Helveticum Basel
2009	Universidad Carlos III de Madrid
2002	Deakin and Monash Universities, Melbourne
1999 – 2001	University of Cologne, Winter Semesters
1999 – 2010	University of Lugano
1993 / 1992 / 1990	Department of Statistics and Applied Probability of the University of Alberta, Edmonton, during the Fall Semester

## Teaching activities at the University of Zurich

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Topics: Mathematical finance, Financial crises, the systemic risk generated by financial innovation and global debt, Financial markets manipulations, Insider Trader Activities, Globalisation and Financialisation of the Economy, Global Warming and the Financial Sector

Seminar: Literature, economy and history: Illitteratus Homo Oeconomicus?

## Publications

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- 2023 [\*\*It's the News, Stupid! The Relationship Between News Attention, Literacy, Trust, Greenwashing Perceptions and Sustainable Finance Investment in Switzerland\*\*](#)  
Co-Authors: Nadine Strauss, Jonathan Krakow  
*Journal of Sustainable Finance and Investment, forthcoming*
- 2021 [\*\*What are you waiting to invest in grid-connected residential photovoltaics in California?\*\*](#)  
Co-Author: Carlos Vargas  
*Journal of Sustainable Finance and Investment, online 29.12.2021*
- 2021 [\*\*L'injustice sociale à l'heure de la financiarisation et de la digitalisation de l'économie\*\*](#), *Filosofia e teologia*, 2021, Vol. 2, 243 - 251
- 2020 [\*\*Managerial incentives to take asset risk\*\*](#)  
Co-Authors: Jacob Stromberg, Alexander F. Wagner and Vincent Wolff  
*Journal of Corporate Finance, Vol. 65(C)*
- 2020 [\*\*End of Life decommissioning and recycling of Solar Panels in the United States. A real options analysis\*\*](#)  
Co-Author: Carlos Vargas  
*The Journal of Sustainable Finance and Investment*
- 2018 [\*\*Long-term Investment Choices for Quinoa Farmers in Puno, Peru: A Real Options Case Study\*\*](#)  
Co-Authors: Anca Balietti, Carlos Vargas  
*International Journal of Food and Agricultural Economics (IJFAEC)*, Vol. 6, No. 4, pp. 1- 19, October
- 2018 [\*\*Parisian Options with Jumps: A Maturity-Excursion Randomization Approach\*\*](#)  
Co-Author: Nikola Vasiljevic  
*Quantitative Finance*, Vol. 18, No. 11, pp. 1887 – 1908
- 2017 [\*\*Mitigating global warming: a real options approach\*\*](#)  
Co-Authors: Pierre Lasserre, Bruno Troja  
*Annals of Operations Research*, Vol. 255, Issue 1-2, pp 465-506
- 2017 [\*\*Market Uncertainty and Risk Transfer in REDD Projects\*\*](#)  
Co-Authors: Jonathan Gheysens, Bruno Troja  
*Journal of Sustainable Forestry*, Vol. 36, issue 5, pp. 535-553
- 2017 [\*\*Toxic Sustainable Companies? A Critique on the Shortcomings of current Corporate Sustainability Ratings and a Definition of 'Financial Toxicity'\*\*](#)  
Co-Author: Peter Seele  
*Journal of Sustainable Finance & Investment (TSFI)*, Vol. 7, No. 2, pp. 139 – 146.
- 2016 [\*\*Endogenous Trading in Credit Default Swaps\*\*](#)  
Co-Authors: Delia Coculescu, Selim Gokay  
*Decisions in Economics and Finance*, Vol. 39 (April), Issue 1, pp. 1 - 31

- 2015 [\*\*More than money: Why investment advisors rarely talk about sustainable investment\*\*](#)  
Co-Authors: Falko Paetzold, Timo Busch  
*Annals in Social Responsibility*, Vol. 1(1), pp. 195-223
- 2015 [\*\*Detecting Informed Trading Activities in the Options Markets\*\*](#)  
Co-authors: Remo Crameri, Lorian Mancini  
*Journal of Empirical Finance*, 263-275
- 2015 [\*\*Is there Room for Geoengineering in the Optimal Climate Policy Mix?\*\*](#)  
Co-authors: Olivier Bahn, Jonathan Gheysens, Reto Knutti, Anca Pana  
*Environmental Science and Policy*, April 2015, Vol. 48, pp. 67 – 76
- 2014 [\*\*Experimental Comparison between Markets on Dynamic Permit Trading and Investment in Irreversible Abatement with and without Non-Regulated Companies\*\*](#)  
Co-authors: Luca Taschini, Mei Wang  
*Journal of Regulatory Economics*, Vol. 46, Issue 1, pages 23 - 50
- 2012 [\*\*An Experimental Study On Real-Option Strategies\*\*](#)  
Co-authors: Mei Wang, Abraham Bernstein  
*Quantitative Finance*, Volume 12, Issue 11, pages 1753 - 1772
- 2012 [\*\*The Value of Tradeability\*\*](#)  
Co-author: Alexander Kempf  
*Review of Derivatives Research*, Volume 15, Issue 3, pages 193 - 216
- 2012 [\*\*The Endogenous Price Dynamics of Emission Allowances: An Application to CO2 Option Pricing\*\*](#)  
Co-author: Luca Taschini  
*Applied Mathematical Finance*, Vol. 19, Issue 5, pages 447 - 475
- 2012 [\*\*The Effect of Proactive Adaptation on Green Investment\*\*](#)  
Co-authors: Olivier Bahn, Jonathan Gheysens  
*Journal of Environmental Science and Policy*, Vol. 14, pages 9 - 24
- 2011 [\*\*The Impact of Terrorism on Financial Markets: An Empirical Study\*\*](#)  
Co-authors: Anna Reshetar, Mustafa Karaman  
*Journal of Banking and Finance*, Vol. 35, pp. 253 – 267, 2011
- 2008 [\*\*Stock Options and Managers' Incentives to Cheat\*\*](#)  
Co-author: Rajna Gibson  
*Review of Derivatives Research*, Vol. 11, pp. 41 – 59
- 2006 [\*\*American Parisian Options\*\*](#)  
Co-author: Laurent Gauthier  
*Finance and Stochastics*, Vol. 10, pp. 475-506, 2006
- 2004 [\*\*Pricing American Currency Options in an Exponential Lévy Model\*\*](#)  
Co-author: Monique Jeanblanc  
*Applied Mathematical Finance*, Vol.11, pp. 207 – 225

- 2003 [\*\*Analyzing Firms' Strategic Investment Decisions in a Real Options' Framework\*\*](#)  
Co-authors: Pascal Botteron, Rajna Gibson  
*Journal of International Financial Markets, Institutions and Money*, Vol.13, pp. 451 – 479
- 2003 [\*\*Illegal Migrants, Tourism and Welfare: A Trade Theoretic Approach\*\*](#)  
Co-author: Bharat Hazari  
*Pacific Economic Journal*, Vol. 8, pp. 259 – 268.
- 2003 [\*\*The impact of Possible Climate Catastrophes on Global Warming Policy\*\*](#)  
Co-authors: Andrea Baranzini, Jacques Morisset  
*Energy Policy* No. 31, pages 691 – 701.
- 2003 [\*\*Optimal Timing to Adopt Environmental Policy in a Strategic Framework\*\*](#)  
Co-author: Pauline Barrieu  
*Environmental Modelling & Assessment*, Vol. 8 (3), pp. 149 – 163.
- 2002 [\*\*Long Term Risk Management of Nuclear Waste: A Real Options Approach\*\*](#)  
Co-authors: Henri Loubergé, Stéphane Villeneuve  
*Journal of Economic Dynamics and Control* No. 27, pp. 157 - 180, 2002
- 2001 [\*\*Reducing Asset Substitution with Warrant and Convertible Debt Issue\*\*](#)  
Co-author: Rajna Gibson  
*Journal of Derivatives*, Vol. 9, pp. 39 - 52
- 1999 [\*\*The Investment Policy and the Pricing of Equity in a Levered Firm: A Re-examination of the Contingent Claims Valuation Approach\*\*](#)  
Co-author: Rajna Gibson  
*The European Journal of Finance*
- 1999 [\*\*Immigration, Unemployment and Welfare\*\*](#)  
Co-authors: Bharat Hazari, Pasquale Sgro  
*International Economic Journal*
- 1998 [\*\*Irrational Entry, Rational Exit\*\*](#)  
Co-author: Bharat Hazari  
*Journal of Mathematical Economics*, No. 29, pp. 1-13
- 1997 [\*\*Parisian Options and Excursion Theory\*\*](#)  
Co-authors: Monique Jeanblanc, Marc Yor  
*Advances in Applied Probabilities*
- 1997 [\*\*Parisian Barrier Options: a discussion\*\*](#)  
Co-authors: Monique Jeanblanc, Glenn Kentwell and Marc Yor  
*Risk*
- 1997 [\*\*Les gestions des risques de change et de taux par les options\*\*](#)  
Co-author: François Quittard-Pinon  
*Risques*

- 1997 **Options et risques induits**  
*Risques*
- 1996 **Predicting Premature Exercise of an American Put on Stocks: Theory and Evidence**  
Co-author: Jean Lefoll  
*The European Journal of Finance*
- 1996 **Options Listing and the Volatility of the Underlying Asset: A Study on the Derivative Market Function**  
Co-author: William Eid Junior  
*Revista de Administraçao de Empresas, Vol. 36/No.1,*
- 1995 **State Space Symmetry and a Two Factor Option Pricing Model**  
Co-author: Rajna Gibson  
*Advances in Futures and Options Research.*
- 1995 **Arbitrage Trading and Index Option Trading at Soffex : An Empirical Study using Daily and Intradaily Data**  
Co-authors: Rajna Gibson, Henri Loubergé  
*Finanzmarkt und Portfolio Management*
- 1993 **Diffusion Coefficient Estimation and Asset Pricing when Risk Premia and Sensitivities are Time Varying**  
Co-authors: Robert J. Elliott, Dilip B. Madan, Hailiang Yang  
*Mathematical Finance*
- 1993 **Analytical Solutions for the Pricing of American Bond and Yield Options**  
Co-authors: Rajna Gibson, Robert J. Elliott  
*Mathematical Finance.*
- 1990 **Relations triangulaires entre valeurs d'options sur devises**  
(Triangular Relationships for Options Values)  
*Finance*
- 1989 **Pricing European Currency Options: A Comparison of the Modified Black-Scholes Model and a Random Variance Model**  
Co-author: Louis Scott  
*Journal of Financial and Quantitative Analysis*
- 1989 **European Currency Options: The Effects of Volatility Changes**  
Co-author: Louis Scott  
*Finanzmarkt und Portfolio Management, Vol. 3, No 4*
- 1988 **Les options sur devises: Une revue des modèles théoriques et des travaux empiriques**  
Co-author: Henri Loubergé  
*Finance, Vol. 9*
- 1987 **The Pricing of European Currency Options: Empirical Tests Based on Swiss Data**  
Co-author: Henri Loubergé  
*Aussenwirtschaft*

- 1987 [Prix d'équilibre et efficience sur le marché suisse des options sur devises: Analyse théorique et tests empiriques](#)  
*Finance*, Vol. 7, January 1987
- 1984 [Risk Aversion and the Composition of Wealth in the Demand for Full Insurance Coverage](#)  
Co-author: Henri Loubergé  
*Schweiz Zeitschrift für Volkswirtschaft und Statistik*, Vol. 122.

## Written contributions for the Swiss Academy of Humanities and Social Science (SAGW)

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- 2020 [Economic and Financial Systems for Well-being](#)  
(with Christoph Bader, Beat Burgenmeier, Sergio Rossi, Irmi Seidl), in:  
Priority Themes for Swiss Sustainability Research, Vol. 15 (5) p. 34 – 38
- 2019 [Ökonomie und Finanzen: das Monopol des vorherrschenden Denkens](#)  
[Économie et finance: le monopole de la pensée dominante et ses dangers](#)

## Books

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- 2022 [Asset Pricing, Finanzderivate und ihre Systemrisiken](#)  
Springer Verlag, second edition.  
Co-authors Krakow, J., Maranghino-Singer, B., Münstermann, L., Wolff, V.
- 2021 [La crisis permanente](#)  
Editorial Bellaterra, Barcelona
- 2020 [La crise permanente, third edition](#)  
Presses Polytechniques universitaires romandes, Lausanne
- 2020 [A crise permanente](#),  
UNESP, São Paulo
- 2019 [Die permanente Krise](#), second edition  
Versus Verlag, Zürich
- 2018 [A permanent crisis](#)  
Palgrave Macmillan, London
- 2017 [Перманентный кризи](#)  
HSE, Moscow
- 2016 [Dalla Grande Guerra alla crisi permanente](#)  
Mimesis edizioni, Milano
- 2016 [Environmental Finance and Investments](#),

Springer Verlag, second edition.  
Co-authors Anca Pana, Jonathan Gheysens, Luca Taschini

- 2009 [Mathematical Methods for Financial Markets](#)  
Co-authors: Marc Yor, Monique Jeanblanc  
Springer Verlag, 2009
- 2001 [El Manejo del riesgo de cambio: Las opciones sobre divisas](#)  
Co-authors: Michael B. Marois, Fausto-Hernández Trillo and Rafal Wojakowski  
Edition Limusa, Mexico
- 1995 [Les options de change, évaluation et utilisation](#)  
Co-authors: Michael B. Marois, Rafal Wojakowski  
Economica
- 1992 [Les options de change \(Currency Options\)](#)  
Co-author: Henri Loubergé  
Que sais-je?, P.U.F., Economica

## Chapters or Articles in collective books

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- 2022 [Does global English influence the perception of professional ethical dilemmas?](#)  
Co-authors: Paul H. Dembinski, Philippe Rudaz, Hannah Soissons  
In: Advances in Interdisciplinary Language Policy, Johns Benjamins Publishing Company.
- 2021 [Economics and finance: the monopoly and dangers of the mainstream school of thought](#)  
In: Rethinking Finance in the Face of New Challenges
- 2018 [Vom Grossen Krieg zur permanenten Krise](#)  
In: 1914, VdF Hochschulverlag Ag an der ETH Zürich
- 2018 [«Rien ne va plus», Passion und Leiden in ökonomischer Perspektive](#)  
In: Leid-Bilder. Die Passionsgeschichte in der Kultur  
Schüren Verlag, Marburg
- 2016 [Der Widerspruch zwischen Neoliberalismus und liberaler Demokratie am Beispiel des Finanzmarktes](#)  
In: Demokratie in der Krise  
Chronos Verlag, Daniel Brühlmeier, Philippe Mastronardi (Hg.)
- 2015 [Zum Widerspruch zwischen der Logik des Finanzsectors und den Prinzipien des Liberalismus](#)  
In: Kapitalismus – eine Religion in der Krise, II.  
Pano Verlag, Nomos Verlag
- 2015 [An information system supporting cap and trade in Organizations](#)  
Co-authors: Brigitte Maranghino-Singer, Martina Huber, David Oertle, Lorenz Hilty, editors: Lorenz Hilty, Bernard Aebischer  
In: ICT Innovations for Sustainability, Springer, Cham, p. 285-299
- 2015 [Emissions Markets and Products](#)



Co-authors: Luca Taschini, Jonathan Gheysens  
In: Handbook of Multi-Commodity Markets and Products: Structuring,  
Trading and Risk Management, John Wiley & Sons,

- 2014 [\*\*Enjeux et conséquences de l'utilisation de l'anglais pour les études d'économie et de gestion à l'université\*\*](#)  
In: L'économie au service des citoyens: essais en mémoire de Peter Tschopp, published by Slatkine, Geneva.
- 2013 [\*\*Die Umwandlung des Kapitalismus und seine Finanzdurchdringung\*\*](#)  
In: Kapitalismus – eine Religion in der Krise, I.  
Pano Verlag, Basel
- 2004 [\*\*Les spéculations financiers de septembre 2001: L'ombre de Ben Laden?\*\*](#)  
in «Al-Quida, les nouveaux réseaux de la terreur»  
Edition Ellipses, Paris
- 2004 [\*\*Le Terrorisme se privatise et défie l'Occident in Blanchiment et financement du terrorisme\*\*](#)  
In : Blanchiment et financement du terrorisme  
Edition Ellipses, Paris
- 2003 [\*\*Le marché otage du crime organisé?\*\*](#)  
In : FINANCE & THE COMMON GOOD/BIEN COMMUN  
Observatoire de la Finance, Genève
- 2002 [\*\*Les spéculations financières de septembre 2001 et l'argent du terrorisme\*\*](#)  
In : «Guerre secrète contre Al-Quida»  
Edition Ellipses, Paris
- 2002 [\*\*Délits d'initié autour du 11 septembre\*\*](#)  
In: Intelligence et sécurité, No 24, Paris
- 2002 [\*\*Marchés financiers, blanchissement et financement du terrorisme\*\*](#)  
In: Criminalité financière,  
Editions d'organisation, Paris
- 1997 **Some Combinations of Asian, Parisian, and Barrier Options**  
Co-authors: Hélyette German, Monique Jeanblanc, Marc Yor  
Published by: *Mathematics of Derivatives Securities*, Cambridge University Press
- 1997 **Les Options sur devises (Currency Options)**  
Co-authors: Michael B. Marois, Rafal Wojakowski  
Published by: *L'Encyclopédie de la Finance*, Economica, 1997
- 1995 **Estimating the Volatility of an Exchange Rate**  
Co-author: Robert J. Elliott  
Published by: Applied *Stochastic Models and Data Analysis*, Ed. World Scientific
- 1992 **American Path-Dependent Options**  
Co-author: Giovanni Barone-Adesi  
Published by: Applied *Stochastic Models and Data*

## Special Awards

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- 2001 «Chevalier dans l'ordre des Palmes académiques» the Ministry of Education, Paris
- 1991 Award of the Latsis Prize (which annually reward a Dissertation of the University of Geneva)

## Reports

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- 2009 **RAPPORT SUR LES SUSPICIONS DE DÉLITS D'INITIÉS SUR LE TITRE EADS**  
M. Chesney, R. Cramer, L. Mancini

**Expertise for various courts regarding financial litigations**

**Media activities: articles and interviews:**

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See: [marcchesney.com](http://marcchesney.com)