

Sébastien LLEO

Professor
Finance, Tax & Control Department
Email : sebastien.lleo@reims-ms.fr

Education

- 2008, PhD, Mathematics, Imperial College London, United Kingdom

Contributions to Risk-Sensitive Asset Management, sous la direction de DAVIS Mark

- 1997, IMBA, Business administration, University of Ottawa, Canada
- 1997, MSc in Management, Grande Ecole Program, ESC de Reims, France

Honors and Awards

- 2003, Wilmott Prize for excellence - Certificate in Quantitative Finance, United Kingdom
- 1999, Bronze medal for Derivatives Fundamentals Course (DFC), Canada
- 1998, Honor for Canadian Securities Course (CSC), Canada

Teaching Areas at RMS

- Market Finance
- Corporate Finance
- Risk Management

Teaching Languages

- English
- French

Main courses taught at RMS

- Préparation au CFA - Niveau 2, Sup de Co Cycle Master
- Financial risk management, Sup de Co Cycle Master
- Behavioral Finance, Sup de Co Cycle Master
- Financial modeling, Sup de Co Cycle Master
- Préparation au CFA - Niveau 1, Sup de Co Cycle Master

Course Coordination at RMS

- Financial modeling, Sup de Co Cycle Master
- Financial risk management, Sup de Co Cycle Master

A. RESEARCH ACTIVITY

Areas of research

- Financial mathematics, Stochastic control
- Risk management, Dynamic portfolio theory and applications

Membership of Scientific Organizations

- Since 2009, Member of Society for Industrial and Applied Mathematics
- Since 2008, Member of Bachelier Finance Society
- Since 2002, Member of Professional Risk Manager's International Association
- Since 2000, Member of CFA Institute
- Since 2000, Member of Global Association of Risk Professionals

Research Programs Participation

- Since 2010, Member of RMS 'V and P' research centre (Value and Persuasion Research Center)

Editorial Participation and Scientific Reviewing

- Since 2010, Reviewer for 'Mathematical Finance'
- Since 2009, Reviewer for 'Financial Analysts Journal'
- Since 2009, Reviewer for 'IMA (Institute of Mathematics and its Applications) Journal of management mathematics'
- Since 2009, Reviewer for 'SIAM (Society for Industrial and Applied Mathematics) Journal on Control and Optimization'
- Since 2009, Reviewer for 'SIAM (Society for Industrial and Applied Mathematics) Journal on Financial Mathematics'

- Since 2009, Reviewer for 'Wilmott Journal'

B. PUBLICATIONS / COMMUNICATIONS

Peer-Reviewed Articles

- LLEO Sébastien, DAVIS Mark, 2011, *Jump-Diffusion Risk-Sensitive Asset Management I: Diffusion Factor Model*, Society for Industrial and Applied Mathematics J. Financial Math., (Vol 2) : pp.22-54.
- LLEO Sébastien, DAVIS Mark, 2008, *Risk-sensitive Benchmarked Asset Management*, Quantitative Finance, (Vol 8, issue 4) : pp.415-426.

Research monograph

- LLEO Sébastien, 2009, *Risk management: A review*, London : CFA Institute Publications, 50 pages.

Chapters in Books

- LLEO Sébastien, DAVIS Mark, 2010, *Fractionnal Kelly strategies for benchmarked asset management*, in MAC LEAN Leonard C., THORP Edward O., ZIEMBA William T. (eds), *The Kelly Capital Growth Investment Criterion: Theory and Practice*, New York : World Scientific Publishing Company, Collection World Scientific Publishing Company.
- LLEO Sébastien, DAVIS Mark, 2010, *Risk Sensitive Investment Management with Affine Processes: A Viscosity Approach*, in KIJIMA Masaaki, HARA Chiaki, TANAKA Keiichi, MUROMACHI Yukio (eds), *Recent Advances in Financial Engineering 2009 - Proceedings of the KIER-TMU International Workshop on Financial Engineering 2009*, New York : World Scientific Publishing Company, pp.1-43.

Peer-Reviewed Paper presentation without proceedings

- LLEO Sébastien, DAVIS Mark, *On the optimality of Kelly strategies*, Workshop on stochastic models and control, Karlsruhe Institute of Technology, Karlsruhe, Allemagne, March 29 - April 01 2011.
- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset Management in a Jump-Diffusion Factor Model*, 12th Conference on Stochastic Programming (SPXII), University of Halifax, Halifax, Canada, August 16 - August 20 2010.
- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset Management in a Jump-Diffusion Factor Model*, Bachelier Finance Society, 6th world congress, Hilton hotel, Toronto, Canada, June 22 - June 25 2010.
- LLEO Sébastien, DAVIS Mark, *A Viscosity Approach to Jump-Diffusion Risk-Sensitive Asset Management*, Bachelier Finance Society, 5th world congress, Imperial College London, London, United Kingdom, July 18 2008.
- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset Management*, 11th Conference on Stochastic Programming (SPXI), University of Vienna, Vienna, Austria, August 2007.

Non-Refereed Communications

- LLEO Sébastien, DAVIS Mark, *On the optimality of Kelly strategies*, Quant talks seminar series, Frankfurt school of finance & management, Frankfurt, Germany, June 29 2011.
- LLEO Sébastien, *Risk-Sensitive Asset Management: an Overview*, Joint LSE (London School of Economics) - King's College - Imperial College PhD Student Conference in Mathematical Finance, London School of Economics, London, United Kingdom, March 2006.

Research Seminars

- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset Management in a Jump-Diffusion Factor Model*, ESC Toulouse, Toulouse, France, March 01 2010.
- LLEO Sébastien, DAVIS Mark, *Jump-Diffusion Risk-Sensitive Asset Management*, MACSI Seminar, University of Limerick, Limerick, Ireland, September 2009.

- LLEO Sébastien, DAVIS Mark, *Stochastic Analysis and Stochastics of Financial Market*, Joint Humboldt Universität - TU Berlin Research Seminar, Humboldt Universität - TU Berlin, Berlin, Germany, July 2009.
- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset and Liability Management: Initial Thoughts*, Summer Term 2009, ICMA Centre, Henley Business School, University of Reading, Reading, United Kingdom, May 2009.
- LLEO Sébastien, DAVIS Mark, *Risk-Sensitive Asset Management*, Cambridge Finance Seminars, University of Cambridge, Cambridge, United Kingdom, March 2008.

C. PROFESSIONAL EXPERIENCE

Teaching

- 09/2010 - To date, Professor, Reims Management School, Reims, France
- 02/2010 - 03/2010, Lecturer, Reims Management School, Reims, France
- 06/2008 - 07/2010, Research associate, Imperial College London, London, United Kingdom

Executive Education

- 11/2010 - To date, Lecturer in Managerial Finance, Kempinski Executive Managers, Europe, Middle East, Paris Executive Campus
- 01/2005 - To date, Trainer in financial mathematics, Banks, Investment management firm, London, United Kingdom, 7 City Learning Limited

Consulting

- 05/2005 - 12/2006, Consultant in risk management and asset allocation, Investment management firm, London, England, Independent consultant
- 09/2004 - 03/2006, Consultant in risk management, performance analysis, currency hedging, Canada Mortgage and Housing Corporation, Ottawa, Canada, Independent consultant

Company Experience

- 08/2001 - 09/2004, Senior investment analyst, Canada Mortgage and Housing Corporation (CMHC), Ottawa, Canada
- 02/1999 - 07/2001, Financial analyst, Bank of Canada, Ottawa, Canada
- 01/1998 - 01/1999, Business analyst, Bank of Canada, Ottawa, Canada

D. PROFESSIONAL AND PERSONAL DEVELOPMENT

Continuing education and Self-Development Activities (Training and seminars)

- 04/2009 - 04/2009, Attended summit 'Systemic risk', MITACS (Mathematics of Information Technology and Complex Systems), Canadian research network, Toronto, Canada