Curriculum Vitae
Lars Peter Stentoft

Personal Information

Date of birth:	December 5, 1972.
Gender:	Male.
Nationality:	Danish and Canadian.
Current Position:	Full Professor (jointly appointed with Department of Statistical and Actuarial Sciences)
Street address:	Department of Economics Social Science Centre University of Western Ontario London, Ontario, N6A 5C2, Canada
E-mail address:	lars.stentoft@uwo.ca
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Phone number:	Office: +1 519-661-2111 Ext. 85311

Research interests

- Finance.
- Financial Econometrics.
- Computational Finance.
- Econometrics.

Employment

- 2026-: Full Professor, Department of Economics, Western University, Canada.
  (joint with Department of Statistical and Actuarial Sciences)
- 2014-2026: Associate Professor, Department of Economics, Western University, Canada.
  (joint with Department of Statistical and Actuarial Sciences)
- 2014-2018: Canada Research Chair in Financial Econometrics (Tier 2).
- 2012-2014: Visiting Associate Professor, Department of Finance, Copenhagen Business School, Denmark.
- 2010-2014: Associate Professor, Department of Finance, HEC Montréal, Canada.
- 2005-2010: Assistant Professor, Department of Finance, HEC Montréal, Canada.
- 2003-2005: Post-doctoral research fellow, Department of Economics, University of Aarhus, Denmark, financed by the Danish Social Sciences Research Council.
- 1997-1999: Professional Researcher, Centre for Analytical Finance, University of Aarhus, Denmark.

Education

- 2004: PhD in Economics, Department of Economics, University of Aarhus, Denmark. Dissertation Title, 'Least Squares Monte-Carlo and GARCH Methods for American Options: Theory and Applications'. The dissertation was awarded the Jyske Banks Fund Price (Jyske Banks Almennyttige Fonds Pris) for the best PhD dissertation in 2004/2005 at the School of Economics and Management, University of Aarhus.
- 2001: MSc in Economics, Department of Economics, University of Aarhus, Denmark.
- 1996: BSc in Economics, Department of Economics, University of Aarhus, Denmark.

Journal publications

1. Escobar-Anel, M., L. Stentoft and X. Ye. (2026), 'The Role of Variance Risk Premium in Option Pricing: Modeling, Estimation and Impact", *Conditionally Accepted at the Journal of Futures Markets*.
2. Ehler, N., M. Escobar-Anel, L. Stentoft and R. Zagst. (2026), 'Behavioural Portfolio Decisions in a GARCH World', *forthcoming in Financial Innovation*.
3. Escobar-Anel, M., K. Pan and L. Stentoft. (2026), 'A mean reverting affine GARCH model for commodities', *Energy Economics*, 153, January, 109075 https://doi.org/10.1016/j.eneco.2025.109075.
4. Létourneau, P. and L. Stentoft. (2025), 'Efficient Pricing and Model Calibration With Large Panels of Options', *Journal of Financial Econometrics*, 23(5), nbaf019 (https://doi.org/10.1093/jjfinec/nbaf019).
5. Escobar-Anel, M., L. Stentoft and X. Ye. (2025), 'Analytical Fixed Income Pricing in Discrete-time: A New Family of Models', *Global Finance Journal*, 67, September, 101170 (https://doi.org/10.1016/j.gfj.2025.101170).
6. Escobar-Anel, M., Y. Hou and L. Stentoft. (2025), 'The shifted GARCH model with affine variance: Applications in pricing', *Finance Research Letters*, 71, January, 106371 (https://doi.org/10.1016/j.frl.2024.106371).
7. Boire, F.M., M. Reesor and L. Stentoft. (2025), 'Bias Correction in the Least-Squares Monte Carlo Algorithm', *Computational Economics*, 65, 3161-3205 (https://doi.org/10.1007/s10614-024-10663-9).
8. Escobar-Anel, M., L. Stentoft and X. Ye. (2025), 'The Benefits of Returns and Options in the Estimation of GARCH Models. A Heston-Nandi GARCH Insight', *Econometrics and Statistics*, 36, 1-18 (https://doi.org/10.1016/j.ecosta.2022.12.001).
9. Escobar-Anel, M., L. Stentoft and X. Ye. (2024), 'Not All VIXs Are (Informationally) Equal: Evidence from Affine GARCH Option Pricing Models', *Finance Research Letters*, 69(A), November, 106053 (https://doi.org/10.1016/j.frl.2024.106053).
10. Reesor, M., L. Stentoft and X. Zhu. (2024), 'A Critical Analysis of the Weighted Least Squares Monte Carlo Method for Pricing American Options', *Finance Research Letters*, 64, June, 105379 (https://doi.org/10.1016/j.frl.2024.105379).
11. Boire, F. M., M. Reesor and L. Stentoft. (2023), 'Lower Bounds for American Option Prices with Control Variates', *Operations Research Letters*, 51(6), November, 568-574, (https://doi.org/10.1016/j.orl.2023.09.008).
12. Escobar-Anel, M., J. Rastegari and L. Stentoft. (2023), 'Covariance Dependent Kernels, a Q-Affine GARCH for multi-asset option pricing', *International Review of Financial Analysis*, 87, May, 102622, (https://doi.org/10.1016/j.irfa.2023.102622).
13. Létourneau, P. and L. Stentoft. (2023), 'Simulated Greeks for American Options', *Quantitative Finance*, 23(4), 653-676, (https://doi.org/10.1080/14697688.2022.2159869).
14. Huddleston, D., F. Liu and L. Stentoft. (2023), 'Intraday Market Predictability: A Machine Learning Approach', *Journal of Financial Econometrics*, 21(2), Spring, 485-527, (https://doi.org/10.1093/jjfinec/nbab007).
15. Boire, F. M., M. Reesor and L. Stentoft. (2021), 'Efficient Variance Reduction for American Call Options using Symmetry Arguments', *Journal of Risk and Financial Management*, 14(11) #504, 1-21, (https://doi.org/10.3390/jrfm14110504).
16. Francois, P. and L. Stentoft. (2021), 'Smile-Implied Hedging with Volatility Risk', *Journal of Futures Markets*, 41(8), 1220-1240, (https://doi.org/10.1002/fut.22191).
17. Boire, F. M., M. Reesor and L. Stentoft. (2021), 'American Option Pricing with Importance Sampling and Shifted Regressions', *Journal of Risk and Financial Management*, 14(8) #340, 1-

21, (https://doi.org/10.3390/jrfm14080340).
18. Liu, F. and L. Stentoft. (2021), 'Regulatory Capital and Incentives for Risk Model Choice under Basel 3', *Journal of Financial Econometrics*, 19(1), 53-96, (https://doi.org/10.1093/jjfinec/nbaa029).
19. Escobar-Anel, M., J. Rastegari and L. Stentoft. (2021), 'Option Pricing with Conditional GARCH Models', *European Journal of Operational Research*, 289(1), 350-363, (https://doi.org/10.1016/j.ejor.2020.07.002).
20. Escobar-Anel, M., J. Rastegari and L. Stentoft. (2020), 'Affine Multivariate GARCH Models', *Journal of Banking and Finance*, 118, #105895, 1-16, (https://doi.org/10.1016/j.jbankfin.2020.105895).
21. Rombouts, J., L. Stentoft and F. Violante. (2020), 'Dynamics of Variance Risk Premia: A New Model for Disentangling the Price of Risk', *Journal of Econometrics*, 217(2), 312-334, (https://doi.org/10.1016/j.jeconom.2019.12.006).
22. Rombouts, J., L. Stentoft and F. Violante. (2020), 'Pricing Individual Stock Options using both Stock and Market Index Information', *Journal of Banking and Finance*, 111, #105727, 1-16, (https://doi.org/10.1016/j.jbankfin.2019.105727).
23. Rombouts, J., L. Stentoft and F. Violante. (2020), 'Variance Swap Payoffs, Risk Premia and Extreme Market Conditions', *Econometrics and Statistics*, 13, 106-124, (https://doi.org/10.1016/j.ecosta.2019.05.003).
24. Stentoft, L. and S. Wang. (2020), 'Consistent and Efficient Dynamic Portfolio Replication with Many Factors', *Journal of Portfolio Management*, 46 #2, 79-91, (https://doi.org/10.3905/jpm.2019.1.118).
25. Létourneau, P. and L. Stentoft. (2019), 'Bootstrapping the Early Exercise Boundary in the Least-Squares Monte Carlo Method', *Journal of Risk and Financial Management*, 12(4) #190, 1-21, (https://doi.org/10.3390/jrfm12040190).
26. Stentoft, L. (2019), 'Efficient Numerical Pricing of American Call Options using Symmetry Arguments', *Journal of Risk and Financial Management*, 12(2) #59, 1-26, (https://doi.org/10.3390/jrfm12020059).
27. Grynkiv, G. and L. Stentoft. (2018), 'Stationary Threshold Vector Autoregressive Models', *Journal of Risk and Financial Management*, 11(3) #45, 1-23, (https://doi.org/10.3390/jrfm11030045).
28. Boyer, M.M. and L. Stentoft. (2017), 'Yes We Can (Price Derivatives on Survivor Indices)', *Risk Management and Insurance Review*, 20(1), 37-62, (https://doi.org/10.1111/rmir.12073).
29. Boyer, M.M., C. Dorion and L. Stentoft. (2015), 'Les Modèles factoriels et la gestion du risque de longévité', *L'Actualité Économique*, 91(4) #6, (https://doi.org/10.7202/1037212ar).
30. Rombouts, J. and L. Stentoft (2015), 'Option Pricing with Asymmetric Heteroskedastic Normal Mixture Models', *International Journal of Forecasting*, 31(3), 635-650, (https://doi.org/10.1016/j.ijforecast.2014.09.002).
31. Stentoft, L. (2015), 'What We Can Learn from Pricing 139,879 Individual Stock Options', *Journal of Derivatives*, 22(4), 54-78, (https://doi.org/10.3905/jod.2015.22.4.054).
32. Stentoft, L. (2014), 'Value Function Approximation or Stopping Time Approximation: A Comparison of Two Recent Numerical Methods for American Option Pricing using Simulation and Regression', *Journal of Computational Finance*, 18(1), 1-56, (https://doi.org/10.21314/JCF.2014.281).
33. Rombouts, J. and L. Stentoft (2014), 'Bayesian Option Pricing using Mixed Normal Heteroskedasticity Models', *Computational Statistics & Data Analysis*, 76, 588-605, (https://doi.org/10.1016/j.csda.2013.06.023).
34. Boyer, M.M., J. Mejza and L. Stentoft. (2014), 'Measuring Longevity Risk: An Application to

the Royal Canadian Mounted Police Pension Plan', *Risk Management & Insurance Review*, 17(1), 37-59, (https://doi.org/10.1111/rmir.12018).
35. Létourneau, P. and L. Stentoft (2014), 'Refining the Least Squares Monte Carlo Method by Imposing Structure', *Quantitative Finance*, 14(3), 495-507, (https://doi.org/10.1080/14697688.2013.787543).
36. Rombouts, J., L. Stentoft and F. Violante. (2014), 'The Value of Multivariate Model Sophistication: An Application to Pricing Dow Jones Industrial Average Options', *International Journal of Forecasting*, 30, 78-98, (https://doi.org/10.1016/j.ijforecast.2013.07.006).
37. Denault, M., J.-G. Simonato & L. Stentoft (2013), 'A Simulation-and-Regression Approach for Stochastic Dynamic Programs with Endogenous State Variable', *Computers & Operations Research* 40 (11), 2760-2769, (https://doi.org/10.1016/j.cor.2013.04.008).
38. Boyer, M.M. and L. Stentoft. (2013), 'If we can simulate it, we can insure it: An application to longevity risk management', *Insurance: Mathematics and Economics* 52 (1), 35-45, (https://doi.org/10.1016/j.insmatheco.2012.10.003).
39. Boyer, M.M., A. Favaro and L. Stentoft. (2012), 'Pricing Survivor Forwards and Swaps in Incomplete Markets Using Simulation Techniques', *Longevity Risk Management for Institutional Investors*, Fall 2012, 69-87.
40. Stentoft, L. (2011), 'American Option Pricing with Discrete and Continuous Time Models: An Empirical Comparison', *Journal of Empirical Finance* 18 (5), 880-902, (https://doi.org/10.1016/j.jempfin.2011.09.004).
41. Rombouts, J. and L. Stentoft. (2011), 'Multivariate Option Pricing with Time Varying Volatility and Correlations', *Journal of Banking and Finance* 35, 2267–2281, (https://doi.org/10.1016/j.jbankfin.2011.01.025).
42. Stentoft, L. (2008), 'American Option Pricing Using GARCH models and the Normal Inverse Gaussian Distribution', *Journal of Financial Econometrics* 6 (4), 540-582, (https://doi.org/10.1093/jjfinec/nbn013).
43. Stentoft, L. (2005), 'Pricing American Options when the Underlying Asset Follows GARCH Processes', *Journal of Empirical Finance* 12 (4), 576-611, (https://doi.org/10.1016/j.jempfin.2004.08.001).
44. Stentoft, L. (2004), 'Convergence of the Least Squares Monte Carlo Approach to American Option Valuation', *Management Science* 50 (9), 1193-1203, (https://doi.org/10.1287/mnsc.1030.0155).
45. Stentoft, L. (2004), 'Assessing the Least Squares Monte-Carlo Approach to American Option Valuation', *Review of Derivatives Research* 7 (3), 129-168, (https://doi.org/10.1023/B:REDR.0000031176.24759.e6).
46. Brendstrup, B., S. Hylleberg, M. Nielsen, L. Skipper and L. Stentoft. (2004), 'Seasonality in Economic Models', *Macroeconomic Dynamics* 8 (3), 362-394, (https://doi.org/10.1017/S1365100504030111).

Book contributions

47. Stentoft, L. (2013), 'American Option Pricing using Simulation with Application to the GARCH Model', in *Handbook of Research Methods and Applications in Empirical Finance*, Edited by Adrian R. Bell, Chris Brooks and Marcel Prokopczuk, Chapter 5, 114-147.
48. Stentoft, L. (2012), 'American Option Pricing using Simulation and Regression: Numerical Convergence Results', in *Topics in Numerical Methods for Finance*, Springer Proceedings in Mathematics & Statistics 19, Edited by M. Cummins, F. Murphy and J.J.H. Miller, 57-94.

Papers under revision

- Discrete-time hedging, basis risk, and covariance-dependent pricing kernels (joint work with Ismael Assani, Maciej Augustyniak, Alexandru Badescu, and Jean-François Bégin, *revise and resubmit at Journal of Financial Econometrics*).
- Estimation with volatility indexes. And the winner is … (joint work with Marcos Escobar-Anel and Siming Tang, *revise and resubmit at North American Journal of Economics and Finance*).
- Intraday Stock Predictability Everywhere (joint work with Fred Liu, *revise and resubmit at Review of Asset Pricing Studies*).
- Setting the VIX Free: A Generalized Affine GARCH Model (joint work with Marcos Escobar-Anel and Xize Ye, *revise and resubmit at Review of Asset Pricing Studies*).

Working papers (most are available from my homepage or my SSRN page)

- Optimal Variance Reduction for American Options (joint work with Francois-Michel Boire and Mark Reesor, previously titled "Monte Carlo Variance Reduction and American Option Exercise Strategies").
- In estimation, the key is the volatility index, not the returns (joint work with Marcos Escobar-Anel and Siming Tang).
- The Unawareness Premium (joint work with Scott Condie and Marie-Louise Vierø).

Work in progress

- A Conditional Carry Trade Strategy: Explaining the Disappearing Carry Trade Risk Premium (joint work with Sha Wang).
- A new approach to (option pricing) model calibration (joint work with Pascal Letourneau).
- Corrected Likelihood Estimation for a Discrete-Time Stochastic Volatility Model (joint work with Marcos Escobar-Anel and Siming Tang).
- Do Machines Learn about Option Pricing Models when the Market Crashes? (joint work with Bent Jesper Christensen, Nagpurnanand Prabhala and Fei Xue).
- Individual Stock Option Pricing with a Bivariate GARCH Mixture Model (joint work with Hossein Ghaderi and Jeroen Rombouts).
- Individual Stock Variance Risk Premia (joint work with Jeroen Rombouts and Francesco Violante).
- Mixing Gaussian and Fat-tailed Distributions to Identify Financial Storms (joint work with Galyna Grynkiv and Sergii Pypko)
- Modified Policy Iteration for Pricing American Options (joint work with Mark Reesor and Joe Zhu).
- One Simulation Is All You Need: One Simulation to do it all, One Simulation to price them, One Simulation to get the Greeks and forever hedge them (joint work with Pascal Letourneau).
- Option Pricing with Flexible Conditional Distributions.
- The Economic Value of Statistical Backtests for Basel 3 (joint work with Fred Liu).
- Valuation of American Style Employee Stock Options with Reload Features.

Permanent working papers (available from my SSRN page)

- Option Pricing using Realized Volatility.
- Which Pricing Framework for Option Valuation under GARCH and Non-Normal Innovations? (joint work with Jean-Guy Simonato).

Grants and awards

- 2026: Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant, Project title: 'Calibrating (option pricing) models (to large amounts of data)'. CAD 200,000.
- 2025: UWO Internal Grant, Project title: 'Compensation, Options, and Performance'. CAD 7,501.
- 2024: UWO Internal Grant, Project title: 'Machine Learning in Option Pricing'. CAD 7,500.
- 2023: UWO Internal Grant, Project title: 'Research in Financial Econometrics'. CAD 5,000.
- 2023: CFI – Infrastructure Operating Fund (CFI-IOF) Grant, Project title: 'Memory-Intensive High-Dimensional Models for Financial Data and Risk Management'. CAD 77,284.
- 2022: UWO Internal Grant, Project title: 'Research in Financial Econometrics'. CAD 7,500.
- 2021: Canadian Foundation for Innovation (CFI-JELF) Grant, Project title: 'Memory-Intensive High-Dimensional Models for Financial Data and Risk Management'. CAD 646,345.
- 2021: UWO Internal Grant, Project title: 'Research in Financial Econometrics'. CAD 7,500.
- 2020: UWO Internal Grant, Project title: 'Research in Financial Econometrics'. CAD 5,000.
- 2020: Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant, Project title: 'Option Pricing with Multivariate GARCH Models'. CAD 135,000.
- 2018: Canadian Derivatives Institute (CDI) Research Grant, Project title: 'Affine Multivariate GARCH Models'. Co-applicant with M. Escobar-Anel. CAD 20,000.
- 2018: Social Sciences and Humanities Research Council of Canada (SSHRC) Insight Grants, Project title: 'Asset allocation of insurance companies: systemic, regulatory, and solvency risks'. Co-applicant with M. M. Boyer and S. Van Norden. CAD 141,600.
- 2017: Institut de la finance structurée et des instruments dérivés de Montréal (IFSID) research grant, Project title: 'Option Pricing with Affine Multivariate GARCH Models'. Co-applicant with M. Escobar-Anel. CAD 50,000.
- 2016: CFI – Infrastructure Operating Fund (CFI-IOF) Grant, Project title: 'Computer-intensive high-dimensional models for financial data and risk management'. CAD 60,000.
- 2015: Canadian Foundation for Innovation (CFI-JELF) Grant, Project title: 'Computer-intensive high-dimensional models for financial data and risk management'. CAD 500,000.
- 2014: Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant, Project title: 'Finite mixture models and their use for option pricing and risk management'. CAD 90,000.
- 2012: Institut de la finance structurée et des instruments dérivés de Montréal (IFSID) research grant, Project title: 'Pricing and Using Longevity Risk Instruments'. Co-applicant with M. M. Boyer and C. Dorion. CAD 40,000.
- 2012: Institut de Finance Mathématique de Montréal (IFM2) research grant, Project title: 'Pricing Longevity Risk Derivatives'. Co-applicant with M. M. Boyer. CAD 30,000.
- 2011: Social Sciences and Humanities Research Council of Canada (SSHRC) Standard Research Grants Program, Project title: 'The Financing and Management of Longevity Risk'. Co-applicant with M. M. Boyer, M. Marin and J. F. Outreville. CAD 71,500.
- 2007: Institut de Finance Mathématique de Montréal (IFM2) grant for Assistance for Young Researchers, Project title: 'American Option Pricing: A Comparison of Discrete and Continuous Time Equity Return Models'. Principal applicant. CAD 40,800.
- 2007: Fonds québécois de la recherche sur la société et la culture (FQRSC) grant for établissement de nouveaux professeurs-chercheurs, Project title: 'Vérification empirique de modèles de tarification à l'aide de données canadiennes' (Testing option pricing models

empirically using Canadian data). Principal applicant. CAD 45,000.
- 2005: Institut de Finance Mathématique de Montréal (IFM2) funding for new professors, Principal applicant. CAD 125,000.
- 2005: Received the first Jyske Banks Fund Price (Jyske Banks Almennyttige Fonds Pris) for the best PhD dissertation in 2004/2005 at the School of Economics and Management, University of Aarhus, Denmark. Travel grant of DKK 25,000.
- 2003: Danish Social Sciences Research Council (SSF) post doctoral research grant, Project title: 'Empirical Evaluation of Option Pricing Models'. Principal applicant. DKK 1,400,000.

Seminar presentations

- Wilfrid Laurier University, Ontario, Canada, 2023.
- Fields Institute Quantitative Finance Seminar, Virtually, 2022.
- Montreal-Quebec Actuarial and Financial Mathematics Laboratory (Quantact), Virtually, 2022.
- University of Laval, Quebec, Canada, 2019.
- Aarhus University, Denmark, 2019.
- Queen's University, Ontario, Canada, 2017.
- Wilfrid Laurier University, Ontario, Canada, 2017.
- University of Waterloo, Ontario, Canada, 2017.
- DeGroote School of Business, McMaster University, Ontario, Canada, 2015.
- University of Guelph, Ontario, Canada, 2015.
- RDC speaker series, University of Western Ontario, Ontario, Canada, 2014.
- University of Western Ontario, Ontario, Canada, 2013.
- CORE (Université catholique de Louvain), Louvain-la-Neuve, Belgium, 2010.
- Aarhus School of Business, Denmark, 2009.
- Queen's University, Kingston, Ontario, Canada, 2009.
- CREATES, Aarhus University, Aarhus, Denmark, 2008.
- Brock University, St. Catharines, Ontario, Canada, 2006.
- HEC Montreal, Quebec, Canada, 2005.
- Tilburg University, Holland, 2005.
- Maastricht University, Holland, 2005.
- Aarhus School of Business, Denmark, 2004.
- Financial Mathematics Seminar, North Carolina State University, 2003.
- Financial Econometrics Lunch Group, Duke University, 2002.

Professional presentations

- 2016: Canadian Securities Institute Research Foundation Roundtable on Interest Rate Risk, Montreal, Quebec, Canada, invited speaker.
- 2015: The Conference Board of Canada Pension Summit, Toronto, Ontario, Canada, invited speaker.
- 2014: London Life Actuarial event on "Longevity Risk", London, Ontario, Canada, invited speaker.
- 2008: IFM^2 Executive Workshop on "Simulation techniques for American Option pricing under GARCH", Montreal, Quebec, Canada, invited speaker.

Conference presentations (within the last seven years)

- VII AMMCS International Conference, August 17-21, 2026, Waterloo, Ontario: "In estimation,

the key is the volatility index, not the returns", scheduled.
- CAIMS 2026 Canadian Applied and Industrial Mathematics Society, June 15-19, 2026, Regina, Saskatchewan: "In estimation, the key is the volatility index, not the returns", scheduled.
- 2026 ESSEC Option Pricing Workshop, March 6, 2026, Paris, France: "Individual Stock Option Pricing with a Bivariate GARCH Mixture Model".
- 2025 CMS Winter Meeting, December 5-8, 2025, Toronto, Ontario: "In estimation, the key is the volatility index, not the returns".
- SIAM 2025: The Third Joint SIAM/CAIMS Annual Meeting, July 28-August 1, 2025, Montreal, Quebec: "Calibrating Option Pricing Models".
- CAIMS 2024: Canadian Applied and Industrial Mathematics Society, June 24-27, 2024, Kingston, Ontario: "Calibrating Option Pricing Models".
- CORS 2023: 64th Annual conference of the Canadian Operational Research Society, May 29-31, 2023, Montreal, Quebec: "Calibrating American Option Pricing Models to Large Panels".
- CORS/INFORMS 2022: 63rd Annual Canadian Operational Research Society Conference, June 5-8, 2022, Vancouver, British Columbia: "One Simulation is all you need, One Simulation to price them, One Simulation to get the Greeks and forever hedge them".
- CORS 2021: 62nd Annual conference of the Canadian Operational Research Society, June 7-10, 2021, held virtually: "Efficient Pricing of Large Panels of Options".
- 36th Meeting of the Canadian Econometric Study Group, October 18-20, 2019, Montreal (QC), Canada: "Option Pricing with Conditional GARCH Models".
- 2nd Quantitative Finance and Financial Econometrics (QFFE) Conference, June 5-7, 2019, Marseille, France: "Option Pricing with Conditional GARCH Models".
- 53rd Annual Conference in the Canadian Economic Association (CEA), May 31- June 2, 2019, Banff, Calgary, Canada: "Option Pricing with Conditional GARCH Models".
- 2nd International Conference on Econometrics and Statistics, June 19-21, 2018, Hong Kong, China: "Pricing Individual Stock Options using both Stock and Market Index Information", invited speaker.
- HEC/McGill Spring Finance Workshop, May 11-13, 2018, Montebello (QC), Canada: "Pricing Individual Stock Options using both Stock and Market Index Information", invited speaker.
- 5th ESSEC Empirical Finance workshop, March 29, 2018, Paris, France: "Pricing Individual Stock Options using both Stock and Market Index Information", invited speaker.
- 11th CSDA International Conference on Computational and Financial Econometrics (CFE 2017) December 16-18, 2017, London, UK: "Pricing Individual Stock Options using both Stock and Market Index Information".
- 1st International Conference on Econometrics and Statistics, June 15-17, 2017, Hong Kong, China: "Pricing Individual Stock Options using both Stock and Market Index Information".
- 4th ESSEC Empirical Finance workshop, March 15, 2017, Paris, France: "Pricing Individual Stock Options using both Stock and Market Index Information", invited speaker.

Professional services and administrative experience (current services listed first)

- 2017-present: On the Editorial Review Board for the Journal of Business, Accounting and Finance Perspectives.
- 2015-present: On the Editorial Advisory Board for the Journal of Risk Finance.
- 2015-present: Co-organizer of the Financial Econometrics and Risk Management conference.
- 2014-present: On the Editorial Board for Journal of Risk and Financial Management.
- 2012-present: Associate Editor for Journal of Empirical Finance.

- 2011-present: Member of the scientific committee at the Canadian Derivatives Institute (CDI), previously the Montreal Institute of Structured Products and Derivatives (IFSID).
- 2016-2017, 2025: Director, Master of Financial Economics Program.
- 2024-2025: Associate Director, Master of Financial Economics Program.
- 2023-2025: ECON Appointments Committee Member.
- 2018-2020: DSAS Appointments Committee Member.
- 2018-2019: ECON Appointments Committee Member.
- 2014-2015, 2018-2019, 2020, 2024-2025: Special Issue Guest Editor for Journal of Risk and Financial Management.
- 2017, 2018, 2019, 2021, 2024, 2025: Reviewer for NSERC Discovery Grants application.
- 2014, 2016, 2017, 2020, 2022, 2024, 2025: Reviewer for SSHRC Insight Grants application.
- 2017, 2020: Reviewer for IVADO Research Grants Application.
- 2015, 2019, 2022: Reviewer for Mitacs Accelerate research proposal.
- 2015: Reviewer for NSERC Collaborative Research and Training Experience Program.
- 2016: Co-organizer of the 2016 meeting in the Canadian Econometric Study Group (CESG).
- 2015: Co-Director (Operations), Master of Financial Economics Program.
- 2014-2016: Graduate Affair Committee member, University of Western Ontario (DSAS).
- 2014-2015: Professional Education Program Committee member, University of Western Ontario (DSAS).
- 2013: Member of the Scientific Program Committee for the 7th CSDA International Conference on Computational and Financial Econometrics.
- 2010-2014: co-organizer of the Annual CIRPÉE Applied Financial Time Series Workshop.
- 2007-2012: Director of the Trading Room at HEC Montreal.
- 2010-2011: Member of the Research Council at HEC Montreal.
- 2009-2011: Program reviewer for the European Finance Association Meeting.
- 2010: Program reviewer for the Financial Management Association meeting.
- 2010: Program reviewer for the World Congress in the Bachelier Finance Society.
- 2008-2009: Proposal reviewer for the National Science Foundation.
- 2006: Member of the organizing committee for the Northern Finance Meeting.
- Referee for the following journals: Computational Statistics & Data Analysis, Econometric Reviews, Econometrics Journal, European Journal of Operational Research, Finance and Stochastics, Financial Review, International Review of Economics and Finance, International Transactions in Operational Research, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of Financial Econometrics, Journal of Futures Markets, Journal of Risk and Insurance, Journal of Time Series Analysis, Journal of Time Series Econometrics, Management Science, Mathematical Finance, Mathematics and Computers in Simulation, Review of Financial Studies, and Studies in Nonlinear Dynamics & Econometrics.

Teaching

- Fall 2025-2024: “Financial Econometrics”, MFE program.
- Fall 2025-2019: “Financial Risk Management”, joint MFE and FM Program, Departments of Economics and of Statistical and Actuarial Sciences, University of Western Ontario.
- Fall 2024-2021, 2019, 2016, 2015, and 2014: “Applied Financial Econometrics”, joint Ph.D. and MFE Program, Department of Economics, University of Western Ontario.

- Fall 2025-2021: “Financial Modelling”, BSc Program, Department of Statistical and Actuarial Sciences, University of Western Ontario.
- Winter 2019 and 2015: “Financial Modelling I”, BSc Program, Department of Statistical and Actuarial Sciences, University of Western Ontario.
- Winter 2014: “Time Series Econometrics”, Ph.D. Program, Department of Economics, University of Western Ontario.
- Fall 2013 and 2012: “Advanced Fixed Income and Derivatives”, HD Program, Department of Finance, Copenhagen Business School.
- Fall 2013, 2012 and 2011: “Trading in Financial Markets”, BAA Program, Department of Finance, Copenhagen Business School.
- Summer 2012-2008: “Trading in Financial Markets (previously “Negotiating in a Trading Room”)”, MBA Program, Department of Finance, HEC Montréal.
- Winter 2011-2009 and 2007: “Analysis of Fixed Income Securities”, MBA Program, Department of Finance, HEC Montréal.
- Winter 2011-2006: “Trading in Financial Markets (previously “Negotiating in a Trading Room”)”, BAA Program, Department of Finance, HEC Montréal.
- Winter 2010-2008: “Négociation en salle des marchés”, BAA Program, Department of Finance, HEC Montréal.
- Fall 2010, 2009, 2007 and 2006: “Numerical Methods in Finance”, Ph.D. Program, Department of Finance, HEC Montréal.
- Fall 2006 and 2005: “Investment”, BAA program, Department of Finance, HEC Montréal.

MSc student advising (role, programme, year)

- Xiaotian (Joe) Zhu (co-director, financial modelling, 2022)
- Xize Ye (co-director, financial modelling, 2021)
- Yuyang Cheng (examiner, financial modelling 2020)
- Xinxin Li (director, financial modelling 2020)
- Junjun Liu (director, financial modelling 2020)
- Nazanin Afghan (director, financial modelling 2019)
- Shima Ahmandi (director, financial modelling 2019)
- Yidan Zhu (director, financial modelling, 2017)
- Mengqi (Grace) Yang (director, financial modelling, 2016)
- Yimin Huang (director, financial modelling, 2015)
- Hicha El Ouali (director, financial economics, 2012)
- Liz Tchakounte Nguepnang (co-director, financial engineering, 2012)
- Antoine Acloque (director, financial engineering, 2011)
- Amelie Favaro (co-director, finance, 2011)
- Aymen Hizem (co-director, financial engineering, 2011)
- Pierre Verain (director, financial engineering, 2011)
- Soufian Zitouni (director, finance, 2011)
- Ariane Douyon (co-director, financial engineering, 2010)
- Mourad El-Hila (co-director, financial engineering, 2010)
- Javier Alberto Hernandez (director, financial engineering, 2010)
- Mathieu Fournier (co-director, finance, 2009)
- Thi Thanh Nhât Gillain (director, finance, 2009)
- Pascal Letourneau (director, finance, 2009)

- Polynice Oyono Ngou (co-director, financial engineering, 2009)
- Maxim St-Amant Lamy (director, finance, 2008)
- Louis-Philippe Leblanc (director, finance, 2008)

PhD student advising (role, school, year, first position)

- Sudipto Ghosh (examiner, University of Waterloo, Canada, 2025)
- Yiyao Jiao (examiner, University of Western Ontario, Canada, 2025)
- Leo Huang (examiner, Australian National University, Canada, 2025)
- Yongqin Lei (examiner, Ivey Business School, Canada, 2024)
- Selahattin Sirin (examiner, Ivey Business School, Canada, 2024)
- Remi Galarneau-Vincent (examiner, HEC Montreal, Canada, 2023)
- Yuyang Cheng (examiner, University of Western Ontario, Canada, 2022)
- Yifan Li, (examiner, University of Western Ontario, Canada, 2022)
- Yichen Zhu (examiner, University of Western Ontario, Canada, 2022)
- Francois-Michel Boire (supervisor, University of Western Ontario, Canada, 2022, HEC Montreal)
- Dillon Huddleston (examiner, University of Western Ontario, Canada, 2021)
- Ruifeng Liu (examiner, Guelph University, Canada, 2021)
- Fulei Liu (supervisor, University of Western Ontario, Canada, 2021, Guelph University)
- Zinaida Foltin (examiner, University of Western Ontario, Canada, 2021)
- Zhenxian Gong (examiner, University of Western Ontario, Canada, 2021)
- Sha Wang (supervisor, University of Western Ontario, Canada, 2020, Kwai)
- Bohan Li (examiner, University of Western Ontario, Canada, 2020)
- Wisdom Avusuglo (examiner, University of Western Ontario, Canada, 2020)
- Saad Khan (examiner, Queen's University, Canada, 2020, HEC Montreal)
- Lichen Chen (examiner, Waterloo University, Canada, 2018, RBC Capital Markets)
- Galyna Grynkiv (supervisor, University of Western Ontario, Canada, 2018, Liquid Analytics)
- Heng Xiong (examiner, University of Western Ontario, 2018, Wuhan University, China)
- Bo Laursen (examiner, Aarhus University, Denmark, 2017, Dong Energy)
- Sergii Pypko (supervisor, University of Western Ontario, 2016, National Bank)
- Kadir Babaoglu (external reviewer, Rotman School of Management, 2016, RBC)
- Jingya Li (examiner, University of Western Ontario, 2015, TD)
- Xin Wang (examiner, University of Western Ontario, 2015, TD)
- Zhibo Jia (examiner, University of Western Ontario, 2014, Highstreet Asset Management)
- Pascal Letourneau (supervisor, HEC Montreal, 2013, University of Wisconsin-Whitewater)
- Mateusz P. Dziubinski (committee, Aarhus University, 2012, Aalborg University)
- Xuhui (Nick) Pan (committee, McGill University, 2012, Tulane University)
- Christian Dorion (committee, McGill University, 2010, HEC Montreal)
- Kin Hung (Felix) Kan (examiner, University of Western Ontario, 2010, CIBC)
- Aurelio Vasquez (committee, McGill University, 2010, ITAM Business School)
- Chayawat Ornthanalai (committee, McGill University, 2009, Georgia Institute of Technology)

Memberships and other activities

- 2019-: Member of the Society for Financial Econometrics.
- November 2017: Weatherall Scholar, Queen's University, Ontario, Canada.

- December 2015-: Member of the American Finance Association.
- May 2014-: Member of the Northern Finance Association.
- 2011-: Research Fellow at the Centre Interuniversitaire de Recherche en Analyse des Organisations (CIRANO).
- 2009-: Member of Danish Center for Accounting and Finance (D-CAF).
- 2009-: Member of Centre interuniversitaire sur le Risque, les Politiques Économiques et l'Emploi (CIRPÉE).
- January 2009 – December 2012: Member of the European Finance Association.
- December 2008- : Member of the American Economic Association.
- 2007-2011: Researcher at the Centre Interuniversitaire de Recherche en Analyse des Organisations (CIRANO).
- 2006-: International Research Fellow at Center for Research in Econometric Analysis of Time Series (CREATES).
- 2006-: Member of Centre for Research on e-finance (CREF).
- 2005-: Member of Laboratoire de calcul en finance et assurance (LACFAS).
- September 2004: Attended the 1st Lindau Meeting of the Winners of the Bank of Sweden Prize in Economics in Memory of Alfred Nobel.
- October 2002–April 2003: Research Scholar at the Department of Economics, Duke University, with Professor Tim Bollerslev as local advisor.
- October 2003: Member of the Mathematical Network in Finance.
- July 2001: Member of the Econometric Society.
- October 1999: Member of Centre for Analytical Finance (CAF), of the Danish Econometric Society (DØS), and of the Nordic Econometric Network.