# JOANN JASIAK

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## DEGREES:

Ph.D. Economics, Universite de Montreal (1995)
MA equiv., Universite Nancy 2, Centre Europeen Universitaire, France (1988),

## PROFESSIONAL EXPERIENCE:

*Academic positions:*
Department of Economics, York University
Professor: 2011/07 - present
Associate professor: 2001/07 – 2011/06:
Assistant professor: 1995/01 – 2001/06:

*Applied research:*
Deemed Employee of Statistics Canada 2022/01-present

*Consulting:*
Bank of Nova Scotia (Scotiabank), Toronto, 2013, 2014
Government of Ontario, Toronto, 2012, 2018
Canadian Imperial Bank of Commerce (CIBC), Toronto, 2006

## PUBLICATIONS AND RESEARCH:

*articles published in refereed journals:*

2026 Digital Adoption and Cybersecurity: An Empirical Analysis of Canadian Businesses, with Peter MacKenzie and Pujee Tuvaandorj *Journal of Productivity Analysis*, 65:19

2026 Nonlinear Fore(Back)casting and Innovation Filtering for Causal-Noncausal VAR Models, with C. Gourieroux *Journal of Financial Econometrics*, Volume 24, Issue 2, 2026, nbag005

2026 GCov-Based Portmanteau Test, with A. Manafi Neyazi *Econometric Reviews*, available on-line

2026 Intraday Functional Forecasting of Cryptocurrency Returns, with C. Zhong *Journal of Forecasting*, available on-line

2026 Regularized Generalized Covariance (RGCov) Estimator, with A. Hecq, F. Giancaterini and A. Manafi Neyazi *Econometrics Journal*, forthcoming

2025 Long Run Risk in Stationary Vector Autoregressive Models, with C. Gourieroux *Journal of Econometrics*, Volume 248, March 2025, 105905

2025 A Stochastic Tree for Bubble Asset Modelling and Pricing, with C. Gourieroux *Journal of Time Series Analysis*, Volume 46, Issue 5, 932-944

2025 Generalized Covariance-Based Inference for Models Partially Identified from Independence Restrictions, with C. Gourieroux, *Journal of Time Series Analysis*, Volume 46, Issue 2, 300-324

2024 Intraday and Daily Dynamics of Cryptocurrency, with C. Zhong, *International Review of Economics and Finance*, Volume 96, Part B, November 2024, 103658

2024 Modelling Common Bubbles in Cryptocurrency Prices, with Mauri Hall, *Economic Modelling*, Volume 139, 106782

2024 Optimization of the Generalized Covariance Estimator in Noncausal Processes, with G. Cubadda, F. Giancaterini and A. Hecq, *Statistics and Computing*, 34, 127, https://doi.org/10.1007/s11222-024-10437-1

2023 Composite Likelihood for Stochastic Migration Model with Unobserved Factor, with M. Bandehali, A. Djogbenou, and C. Gourieroux *Journal of Financial Econometrics*, https://doi.org/10.1093/jjfinec/nbad031 .

2023 Time-Varying Coefficient DAR Model and Stability Measures for Stablecoin Prices: An Application to Tether, with A. Djogbenou and E. Inan *Journal of International Money and Finance*, Vol 139, 102946.

2023 Dynamic Deconvolution of Independent Autoregressive Sources, with C. Gourieroux, *Journal of Time Series Analysis*, Vol 44, Issue 2, 151-180.

2023 Time Varying Markov Process with Partially Observed Aggregate Data: An Application to Coronavirus, with C. Gourieroux, *Journal of Econometrics*, Vol 232, issue 1, 35-51 (available online since Nov. 28 2020).

2023 Temporally Local Maximum Likelihood with Application to SIS Model, with C. Gourieroux, *Journal of Time Series Econometrics*, vol. 15, no. 2, pp. 151-198. https://doi.org/10.1515/jtse-2022-0016

2023 Generalized Covariance Estimator, with C. Gourieroux, *Journal of Business and Economic Statistics*, Volume 41, 1315-1327.

2022 Transition Model for Coronavirus Management, with A. Djogbenou, C. Gourieroux, P. Rilstone and M. Bandehali, *Canadian Journal of Economics*, Vol 55, Issue S1, 665-704, on-line version: *Covid Economics*, Issue 35, July 07 2020

2022 Long Run Predictions, with C. Gourieroux, *Annals of Economics and Statistics*, 145, 75-90.

2022 An Econometric Panel Data Model of the COVID-19 Pandemic, with A. Djogbenou, C. Gourieroux and P. Rilstone, *Journal of Statistical and Econometric Methods*, Vol.11, issue 1, 33-89

2021 Convolution-Based Filtering and Forecasting: An Application to WTI Crude Oil Prices, with M. Tong, C. Gourieroux, *Journal of Forecasting*, Vol. 40, 1230-1244.

2021 Testing for Endogeneity of COVID-19 Patient Assignments, with A. Djogbenou and C. Gourieroux, *Journal of Financial Econometrics*, Vol 20, issue 5, 875-901.

2021 Forecast Performance and Bubble Analysis in Noncausal MAR(1,1) Processes, with A. Hencic, C. Gourieroux, *Journal of Forecasting*, Vol. 40, 301-326.

2020 Analysis of Virus Transmission: A Transition Model Representation of Stochastic Epidemiological Models, with C. Gourieroux, *Annals of Economics and Statistics*, 140, 1-26.

2020 Stationary Bubble Equilibria in Rational Expectation Models, with C. Gourieroux, A. Monfort, *Journal of Econometrics*, 218, 714-735.

2018 Robust Analysis of the Martingale Hypothesis, with C. Gourieroux *Econometrics and Statistics*, Vol 9, 17-41.

2018 Misspecification of Noncausal Orders in Autoregressive Processes, with C. Gourieroux *Journal of Econometrics*, Vol 205, 226-248

2017 Noncausal Vector Autoregressive Processes: Representation, Identification and Semi-Parametric Estimation, with C. Gourieroux *Journal of Econometrics*, Vol 200, 118-134.

2016 Filtering, Prediction and Simulation Methods for Noncausal Processes, *Journal of Time Series Analysis*, 37, 405-430 with C. Gourieroux.

2016 The Tradability Premium on the S&P 500 Index, with C. Gourieroux and P. Xu, *Journal of Financial Econometrics*, 14, 461-495.

2012 Granularity Adjustment for Default Risk Factor Model with Cohorts, with C. Gourieroux, *Journal of Banking and Finance*, Vol 36, 1464 -1477.

2010 Local Likelihood Density Estimation and Value at Risk, with C. Gourieroux, *Journal of Probability and Statistics*, Vol 2010, 754851, 26p

2009 L-Performance with an Application to Hedge Funds, with S. Darolles and C. Gourieroux, *Journal of Empirical Finance*, Vol 16, 671-685

2009 The Wishart Autoregressive Process of Multivariate Stochastic Volatility with C. Gourieroux and R. Sufana, *Journal of Econometrics*, Vol 150, 167-181

2008 Dynamic Quantile Models, with C. Gourieroux, *Journal of Econometrics*, 147, 198-205

2008 The Ordered Qualitative Model for Credit Rating Transitions, with D. Feng and C. Gourieroux, *Journal of Empirical Finance*, 15, 111-130.

2006 Structural Laplace Transform and Compound Autoregressive Models, with S. Darolles and C. Gourieroux, *Journal of Time Series Analysis*, 27, 477-503

2006 Autoregressive Gamma Processes, *Journal of Forecasting*, with C. Gourieroux, 25, 129-152

2006 Multivariate Jacobi Process with Application to Smooth Transitions, *Journal of Econometrics*, with C. Gourieroux, 131,475-507.

2005 Nonlinear Innovations and Impulse Responses, *Annales d'Economie et de Statistique*, with C. Gourieroux, 78, 1-30.

2004 Heterogeneous INAR(1) Model with Application to Car Insurance, *Insurance: Mathematics and Economics*, 34, 177-192. with C. Gourieroux

2004 Stochastic Volatility Duration Models , with E. Ghysels and C. Gourieroux), *Journal of Econometrics*, 119, 413-433 .

2003 First-Order Autoregressive Processes with Heterogeneous Persistence, *Journal of Time Series Analysis*, Vol 24, No 3, 283-311.

2001 Dynamic Factor Models, with C. Gourieroux, *Econometric Reviews*, Vol. 20, No. 4, 385-424.

2001 State Space Models with Finite Dimensional Dependence, with C. Gourieroux, *Journal of Time Series Analysis*, Vol. 22, No.6, 665-678.

2001 Nonlinear Autocorrelograms; an Application to Inter-Trade Durations, with C. Gourieroux, *Journal of Time Series Analysis*, Vol 23, No 2, 1-28.

2001 Finite Sample Inference Methods for Simultaneous Equations and Models with Unobserved and Generated Regressors, with J.M. Dufour, *International Economic Review*, Vol. 42, No. 3, 815-844.

2001 Memory and Infrequent Breaks, with C. Gourieroux, *Economics Letters*, Vol. 70, No. 1, 29-41.

2000 Causality in Return and Volume State Transitions, with E. Ghysels and C. Gourieroux, *Annales d'Economie et de Statistique*, No. 60, 189-206.

1999 Long Memory in Economics, *Journal de la Societe Francaise de Statistique*, Vol. 140, No .2, 61-67.

1999 Intra-Day Market Activity, with C. Gourieroux and G. LeFol, *Journal of Financial Markets*, Vol. 2. No. 3, 193-226.

1998 Persistence in Intertrade Durations, *Finance; Revue de l'Association Francaise de Finance*, Vol. 19, No. 2, 166-195.

1998 GARCH for Irregularly Spaced Data: The ACD-GARCH, with E. Ghysels, *Studies in Nonlinear Dynamics and Econometrics*, Vol. 2, No. 4, 133-149.

1998 Kernel Autocorrelogram for Time Deformed Processes, with E. Ghysels and C. Gourieroux, *Journal of Statistical Planning and Inference*, Vol. 68, No. 1, 167-192.

1994 Bayesian Analysis of Stochastic Volatility Models – A Comment, with E. Ghysels, *Journal of Business and Economic Statistics*, Vol. 12, 399-402.

*books:*

2001 Financial Econometrics, Princeton University Press, Princeton, (with C. Gourieroux).

2006 Econometrics of Individual Risk; Credit, Insurance and Marketing, Princeton University Press, (with C. Gourieroux),

*chapters in books:*

2013 Size Distortion in the Analysis of Volatility and Covolatility Effects (with C. Gourieroux) in Advances in Intelligent Systems and Computing, 200, "Uncertainty Analysis in Econometrics with Applications", Huynh, V.N., Kreinovich, V.,Sriboonchita, S.,and Suriya, K. (ed), Springer, p. 91-118.

2011 Nonlinear Persistence and Copersistence (with C. Gourieroux) in "Nonlinear Financial Econometrics", G. Gregoriou, R. Pascalau (ed), (Palgrave Macmillan) p. 77-104.

2009 Value at Risk (with C. Gourieroux) in "Handbook of Financial Econometrics", Y. Ait-Sahalia, L. Hansen (ed), (Elsevier) p. 553- 609.

2000 Durations (with C. Gourieroux) in "A Companion to Theoretical Econometrics," B. Baltagi (ed.) (Blackwell) p. 444-466.

2000 Nonlinear Panel Data Models with Dynamic Heterogeneity (with C. Gourieroux) in "Panel Data Econometrics: Future Directions," J. Krishnakumar and E. Ronchetti (ed.) (Elsevier) p. 127-149.

1998 Market Time and Asset Price Movements: Theory and Estimation (with E. Ghysels and C. Gourieroux) in D. Hand and S. Jacka (ed.), "Statistics in Finance" (Arnold) p.307-333.

1998 High Frequency Financial Time Series Data: Some Stylized Facts and Models of Stochastic Volatility (with E. Ghysels and C. Gourieroux) in C. Dunis and B. Zhou (ed.), "Nonlinear Modelling of High Frequency Financial Time Series," (Wiley) p.127-161.

1997 Activité de marché intra-journalière (with C. Gourieroux and G. Le Fol) in B. Biais, D. Davydoff and B. Jacquillat (ed.), "Organisation et qualité des marchés financiers," (Presses Universitaires de France) p. 203-220.

*Other articles*
2007 Nonlinear Causality, with Applications to Liquidity and Stochastic Volatility, with C. Gourieroux, CREST research papers
1998 Stochastic Volatility and Time Deformation: An Application to Trading Volume and Leverage Effects with E, Ghysels, SSRN: https://ssrn.com/abstract=6308

**REVIEWING:**

- Member of the Editorial Board, Economics Research International (2010-2013)
- Member of the College of Reviewers, MITACS (2008-2012)
- Mathematical Reviews, American Mathematical Society (2009-2013)

*Reviewer, recent grant applications :*

- SSHRC Insight Grant,

- NSERC Discovery Grant,

- MITACS Accelerate Grant

- Fonds pour la Formation de Chercheurs et l'Aide a la Recherche (FCAR),

- The Dutch Research Council (NWO) Netherlands

- Centre of Economic Research CERGE-EI Czech Republic

- National Science Centre, (NCN) Poland

**AWARDS and HONORS:**

2025 Journal of Econometrics Fellow; Journal of Econometrics for contributions

2025 Journal of Time Series Analysis Distinguished Author; Journal of Time Series Analysis (JTSA); In recognition of significant and sustained research contributions.

2021-2022 Liberal Arts & Professional Studies (LA&PS) Dean's Award for Distinction in Research, Creativity or Scholarship, Honourable Mention in the Established Researcher's category

2022 - present Principal Scholar, Risk and Insurance Studies Centre (RISC), York University

2018 - 2022 Chercheur Associé, ACPR Chair "Regulation and Systemic Risks" Autorité de Contrôle Prudentiel et de Résolution (ACPR), French Prudential Supervision and Resolution Authority

2004 – present Associate Fellow, Centre Interuniversitaire de Recherche en Economie Quantitative (CIREQ)

2004, 2006 Merit Award, Faculty of Arts

2004 Faculty of Arts Fellowship 2004-05

1996 Prix de la Meilleure Etude sur le Marche Francais des Actions (with C. Gourieroux andG. LeFol)

1992 NSERC Graduate Scholarship

**REFEREEING:**

Journal of Financial Econometrics, Journal of Medical Case Reports, Insurance: Mathematics and Statistics, Econometrics Journal, Annals of Statistics, Journal of Finance and Stochastics, Journal of Financial Markets, Journal of Business and Economic Statistics, Journal of Empirical Finance, Journal of Econometrics, Econometric Reviews, L'actualite economique, Louvain Economic Review, Journal of Risk, Journal of Banking and Finance, Communications in Statistics; Theory and Methods, Journal of Time Series Analysis, Journal of Multivariate Analysis, Quantitative Finance, Computational Statistics and Data Analysis, Econometric Theory, Review of Finance, Journal of Applied Econometrics, International Review of Economics and Finance, Journal of Statistical Theory and Practice, Applied Stochastic Models in Business and Industry, Journal of Approximate Reasoning, Review of Economic Studies, ACM Transactions on Mathematical Software, Communications in Statistics - Simulation and Computation, Economic Modelling, Econometrics and Statistics, Econometrics, Journal of Portfolio Management, Statistics and Econometrics, Economic Modelling, Econometrica, Applied Economics Letters, Knowledge and Information Systems, Journal of Forecasting

**TEACHING:**

*graduate:*
Econ 5025: Applied Econometrics, Econ 5220: Econometric Theory, Econ 5030: Econometrics of Financial Markets; Econ 6220: Advanced Econometrics I, Econ 6250: Advanced Econometrics II , Econ 7000: PhD Research Seminar, Econ 7100: PhD 2nd year Econometrics

*undergraduate:*
Econ 3500: Mathematical Statistics for Economists, Econ 4210: Econometrics, Econ 4140: Financial Econometrics, Econ 4220: Topics in Econometrics,

**SERVICE**

*University*
member of VPRI group for the development of the cluster proposals of integrated and aspirational vision for research at the Markham campus and Catalyzing Interdisciplinary Research Clusters (FinTech Cluster) May - August 2021

*Department*
Graduate Program Director 2010-2013
Adjudication Committee (member) 2013-2016, 2021-present
File Preparation Committee for Promotion to Associate Professor 2022-present
Graduate Adjudication Committee 2013-2016
Appointments and Planning Committee (member) 2010-2013, 2017-2018, 2019-2020, 2022-2023, 2023-2024, 2024-2025
Affirmative Action and Equity Representative (AAER) 2019-2020, 2022-2023
Graduate Faculty Appointments 2017-2019
Graduate Curriculum Committee 2019-2020
Departmental Seminar Series Director 2017-2018
Computer Liaison 2018-2019, 2019-2020, 2020-2021
GPD Search Committee 2018-2019

**EXTERNAL GRANTS:**

2024-2029 NSERC Discovery Grant ($94,830) "Advances in Inference Methods for Stationary Martingales and Non-Gaussian Processes"

2024 SSHRC Connection Grant ($24,380) "Inequality Measures and Econometric Modelling"

2024 MITACS Accelerate Award: "Cryptocurrency Adoption in Canada", intern: Peter Mackenzie, PhD student, York University; partner organization: Bank of Canada ($17,500)

2023-2024 MITACS Globalink Research Award: "Optimization Methods for Generalized Covariance Estimator with an Application to Cryptocurrency", for collaboration with Maastricht University, Netherlands. Canadian Academic Supervisor of A. Manafi Neyazi, PhD student, York University and F. Giancaterini, PhD student, Maastricht University, Netherlands. International Academic Supervisor: Alain Hecq, Maastricht University, Netherlands. $12,000

2022-2025 MITACS Accelerate Award: "Past and Current Bitcoin Adopters in Canada", Academic Supervisor of Postdoctorate student: Daniela Balutel (PhD Universite d'Orleans), partner organization: Bank of Canada, $225,000

2021 NSERC Discovery Grant Extension 2022-2023 $9,355

2020 NSERC COVID-19 Supplement Funding $1,496.80

2017-2022 NSERC Discovery Grant ($46,775) "Inference Methods for Stationary Martingales and Other Non-Gaussian Processes"

2017 SSHRC Connection Grant ($20,000), "Econometrics of Risk and Uncertainty"

2008 – 2013 NSERC Discovery Grant ($43,000), "Estimation and Testing in Nonlinear Time Series"

2004 SSHRC Conference Grant ($10,000), "Financial Econometrics"

2002-2007 NSERC Research Team Grant ($94,000) principal investigator, "Nonlinear Dynamic Models for Time Series"

1998-2002 NSERC Research Grant ($28,000), "Time Series Models with Heterogeneous Persistence"

1995-1997 SSHRC Conference Travel Grant and SSHRC Small Grant

**Co-Applicant on External Grants:**

2024 Agence Nationale de Recherche (ANR), PSL Global Seed Fund 2024, Non-Causal Econometrics, principal investigator: Thomas Arthur, Universite Paris Dauphine-PSL (12,000 Euros)

2001-2007 CREF : Centre de Recherche en E-Finance, HEC Montreal : $30,000 scholarship for Post-Doctorate student (D. Feng), $4,000 annual travel fund

*conference support:*

2023 (CEA) Canadian Economic Association (conference support) ($3000)

2024 Analysis Group ($ 2500)

2024 SNDE Society for Nonlinear Dynamics and Econometrics (US $ 500)

2017 (IAAE)International Association for Applied Econometrics (conference support) (US $1500)

2017 (CEA) Canadian Economic Association (conference support) ($2750)

2004 IAAE (International Association for Applied Econometrics) ($2000)

2004 Fields Institute for Research in Mathematical Sciences (conference support) ($2000)

**INTERNAL GRANTS from York University:**

2024 Vice-President Research & Innovation: Scholarly Events and Outreach Activities Fund ($1500)

2023 LA&PS Research Event Fund ($5000)

2021 - 2024 York's Catalyzing Interdisciplinary Research Cluster (CIRC) "Digital Currencies", Principal Co-Investigator (Co-PI: Henry Kim, SSB), collective grant of $150,000/year for three years from the office of VPRI with additional $25,000/year collectively contributed by participating Faculties (LA&PS, SSB, Osgoode)

2017 LA&PS Research Event Fund ($3500)

2017 Vice-President Research & Innovation: Scholarly Events and Outreach Activities Fund ($1500)

2004 Dean of the Faculty of Arts ($3000)

2004 Institute for Social Research (ISR) ($2000)

2004 York University Faculty of Arts Incentive Program, submission grant

*Co-Applicant, Internal Grant from York University:*

2022 -2024 York's Catalyzing Interdisciplinary Research Cluster (CIRC) "Data Economy" $200,000 (PI: Xiaohui Yu, School of Information Technology York University)

**EXTERNAL IN-KIND RESEARCH SUPPORT:**

2024 Microdata contract: Statistics Canada, Extension to 21-MAPA-YRK-7219 and access to Canadian Survey of Cyber Security and Cybercrime (CSCSC) 2021 until December 2026

2023 Microdata contract: Statistics Canada, Extension to 21-MAPA-YRK-7219 and access to Survey of Digital Technology and Internet Use, (STDIU) 2021 until December 2026

2022 Microdata contract: Statistics Canada provides access to Canadian Internet Use Survey (CIUS) 2020 under research project "Digital Inclusion" 21-MAPA YORK-7219 accepted December 2021,

2020 Anonymous Information Agreement with Ministry of Health and Long Term Care ("Ontario") for access to COVID-19 patients' records (signed on April 23, 2020)

Fields Institute for Research in Mathematical Sciences: in-kind conference support: CESG 2017, CESG 2024

**GRADUATE SUPERVISION:**

-*Current Primary PhD Supervision:*

*Elaheh Zarabi*, York University, Economics, "Integer-Valued Locally Explosive Processes";

*Aryan Manafi Neyazi*, York University, Economics, "GCov-Based Portmanteau Test";

*Cheng Zhong*, York University, Economics, "Intraday and Daily Dynamics of Cryptocurrency";

-*Current PhD Co-Supervision*

*Emre Inan*, York University, Economics "Stablecoin Price Analysis", joint supervision with A. Djogbenou;

-*Past primary PhD dissertation supervision:*

*Mauri Hall*, York University, Economics, "Modelling Comovements of Selected Large Cap Cryptocurrencies: A Semi-Parametric Noncausal VAR Approach", defended April 04, 2023
$1^{st}$ employer: John Abbott College

*Maygol Bandehali*, York University, Economics, "Likelihood-Based Estimation Methods for Credit Rating Stochastic Factor Model" , defended June 23, 2020, publications:
(2021) Estimation of Credit Rating Transitions under Stress Scenarios (under submission)
(2021) Composite Likelihood for Stochastic Migration Model with Unobserved Factor (with Jasiak, Djogbenou, Gourieroux), Journal of Financial Econometrics, forthcoming.
$1^{st}$ employer: Equity (EQ) Bank, Risk Management

*Akram Panahi*, York University, Economics, “Positional Momentum and Liquidity Portfolio Management” defended April 24, 2020, publications:
(2020) “Positional Portfolio Management: A Bivariate Rank Approach”, North American Journal of Economics and Finance, Vol.52, 101133.
(2021) ”Optimal Positional Momentum and Liquidity Management” (under submission)
1$^{st}$ employer: Statistics Canada

*Andrew Hencic*, York University Economics, “Time Series Analysis of Bitcoin” , defended June 11, 2019 publications:
(2015): ”Noncausal Autoregressive Model in Application to Bitcoin/USD Exchange Rate” in Huynh, V. et al eds. ”Econometrics of Risk”, Series: Studies in Computational Intelligence, 17-40, Springer, New York
(2021): Forecast Performance and Bubble Analysis in Noncausal MAR(1,1) Processes (joint with Gourieroux, Jasiak), Journal of Forecasting, Vol. 40, 301-326.
1$^{st}$ employer: Senior Economist, TD Bank

*Shermineh Haghani*, York University, Economics, defended December 4, 2012 “Essays on Empirical Analysis of Hedge Fund Failure”, publications:
(2014): “Modeling Hedge Fund Lifetimes: A Dependent Competing Risks Framework with Latent Exit Types”, Journal of Empirical Finance, Vol. 28, p 291-320.
1$^{st}$ employer: Office of Currency Comptroller (OCC), U.S. Federal Government , Department of the Treasury

*Lixin Liu*, York University, Economics, defended December 14, 2007, “Nonlinear Causality Analysis with Financial Applications”,
1$^{st}$ employer: Risk Management, CIBC, Toronto.

*Oleg Glouchakov*, York University, Economics, defended October 11, 2006, “Joint Change Point Estimation in Regression Coefficients and Variances of the Errors of a Linear Model”,
1$^{st}$ employer: Dynamic Financial Analysis (DFA) Capital Management, New York

-*Past PhD dissertation co-supervision:*

*Peter MacKenzie*, York University, Economics, ”Bridging the Digital Divide and Mitigating Cyber Security Risks in Canada”, with P. Tuvaandorj, Dept. of Economics, defended May 21, 2025

$1^{st}$ employer: C.D. Howe Institute

*Michelle Tong*, York University, Economics, defended April 16, 2021, "Corporate Hedging, Executive Compensation and Commodity Price Prediction", with Prof. Yisong Tian, Schulich School of Business
$1^{st}$ employer: Teaching Associate, Schulich School of Business

*Qi Ji*, York University , Economics, defended September 2016, "Likelihood-Based Inference for the Sharpe Ratio", with Prof. A. Wong, Dept. of Math-Stats;
$1^{st}$ employment: Assistant Professor, Nanjing Audit University, China

*Shervan Vafa*, York University, Economics, defended September 2015: "Essays on International Capital Mobility" (with Prof. Waiming Ho, Economics);
$1^{st}$ employment: Senior Econometrician at Economics, Research & Analytics, Ontario Medical Association

-*External Examiner*

*Elisa Voisin*, PhD dissertation: "Modelling and Forecasting Economic Time Series with Mixed Causal-Noncausal Models", Maastricht University, Netherlands, December 20, 2022.

*Idriss Tsafack*, PhD Dissertation: "Essays in Functional Econometrics and Financial Markets", Universite de Montreal, Dept. of Economics, August 24, 2020

*Zehua Zhang*, PhD Dissertation: "Three Essays on Stochastic Volatility with Volatility Measures", McMaster University, DeGroote School of Business September 18, 2020

*Vitali Alexeev*, PhD Dissertation: "Essays on Financial Economics", University of Guelph, Economics, May 2010,

*Nunkoo Houmera Bibi Sabera* M.Phil to PhD transfer, Department of Mathematics, University of Mauritius; External Examiner, "Autoregressive Conditional Duration Modelling for High Frequency Financial Data", University of Mauritius, March 2021.

*Barry Drotsche* Master in Business Administration (MBA) dissertation; External Examiner, " Determinants of Energy Intensity in the South African

Mining and Manufacturing Industries: An Analysis of firms listed on the Johannesburg Stock Exchange (JSE)", Graduate School of Business, University of Cape Town, March 2012.

-*PhD dissertation committees member:*

**Economics and Business:**

- *Daniel Velasquez-Gaviria*, Maastricht University, Netherlands; "Noncausal and Noninvertible Models in Financial Econometrics: Theory and Applications", defended May 10, 2025 (opposition committee member)

- *Aman Khan*, Schulich School of Business; "Essays in Corporate Finance and Corporate Innovation", defended May 11, 2023 (internal examiner)

- *Yulia Neleptchenko*, York University, Economics "To Sin or Not to Sin: Studying Socio-Economic Impacts of Religious Agents Choices", defended April 17, 2023 (contributing PhD thesis committee member)

- *Xinyao Zhou*, Schulich School of Business; "Three Essays in Empirical Asset Pricing", defended June 15, 2022 (internal examiner)

- *Vajiheh Amirabadi*, York University, Economics "Behavioral Economics and Exchange Rate Forecasting", defended March 11, 2022 (contributing PhD thesis committee member)

- Ying Liu, York University, Economics, April 2010, "Risk-Adjusted Performance Measures of Hedge Funds: A Third Order Likelihood-Based Approach" (internal examiner).

- Gubhinder Kundhi, York University, Economics, November 2006, "Higher Order Statistical Properties of Nonlinear Estimators"

- Stanley, Miles, York University, Economics, March 2006, "Adaptive Efficiency of Futures and Stock Markets: Analysis and Tests Using a Genetic Programming Approach"

- Xingnong Zhu, Schulich School of Business; October 2002 "Essays on Market Efficiency and Portfolio Performance Measures"

- Gordana Paric, York University, Economics, June 2000, "Identification and Estimation of Latent Multivariate Duration Models".

- Pierre Giot, University of Leuven, Belgium, June 1999, "Econometric Studies on the Formation of Prices in Financial and Commodity Markets"

- Ken Stanton, Schulich School of Business; August 1998

**Mathematics:**

- *Lyndsay Roach*, York University, Dept. of Mathematics and Statistics, May 2023, "Bayesian Model Selection for Discrete Graphical Models" (internal examiner)

- *Hangjing Wang*, York University, Dept. of Mathematics and Statistics, February 2019, "Adjusted Empirical Likelihood Method and Parametric Higher Order Asymptotic Method with Applications to Finance"(internal examiner)

- Tianshu Ma, York University, Dept. of Mathematics and Statistics, December 2010, "Application of Wishart Family on Bayeasian Inference".

- Jinnan Lu, York University, Dept. of Mathematics and Statistics, February 2008, "Non-Decomposable Discrete Graphical Models"

- Yuriy Kazmerchuk, York University, Dept. of Mathematics and Satistics, March 2005, "Pricing of Derivatives in Security Markets with Delayed Response",

- Dingan Feng, York University, Dept. of Mathematics and Statistics, May 5, 2003. "Stochastic Models for High Frequency Financial Time Series".

**other graduate supervision:**

- 2022 -2025 Post-Doctorate study supervisor of *Daniela Balutel*, PhD Universite d'Orleans 2021, MITACS Accelerate project "Past and Current Bitcoin Adopters in Canada" industrial partner: Bank of Canada

- Post-Doctorate study supervisor: Dingan Feng, September 2003 – September 2004, "The Ordered Qualitative Model for Credit Rating Transitions", 1st employer: CIBC, Toronto.

- 2022-2023 Post-Doctorate research associate supervisor, *Michelle Tong*, "Analysis of Dynamic Interactions between Cryptocurrency, Oil and Energy Prices"

- Master in Financial Engineering dissertation supervisor: Filipp Samsonov, Schulich School of Business, "Numerical Valuation of Natural Resource Assets in the Context of Real Option Pricing", (completed September 2003)

**CONFERENCES and SEMINARS (since 2020):**

*Organization:*

- Scientific Programme Committee member, 19th International Conference on Computational and Methodological Statistics-Computational and Financial Econometrics (CMStatistics-CFE 2025), London, December 2025
- Organizer and Chair of Special Invited Session: "Non-Gaussian Time Series"; 19th International Conference on Computational and Methodological Statistics-Computational and Financial Econometrics, (CM Statistics-CFE 2025), London, December 2025
- Organizer and Chair of Special Invited Session: "Non-Gaussian and Noncausal Time Series"; 18th International Conference on Computational and Methodological Statistics-Computational and Financial Econometrics, (CM Statistics-CFE 2023), London, December 2024
- Organizer of Canadian Econometric Study Group (CESG) Meetings, "Inequality Measures and Econometric Modelling", Toronto October 25-27, 2024
- Organizer of Econometrics Sessions at Canadian Economic Association Meetings 2024, Toronto May 30-June 1;
- Co-Chair, 17th International Conference on Computational and Methodological Statistics-Computational and Financial Econometrics (CMStatistics-CFE 2023), Berlin, December 2023
- Organizer and Chair of Special Invited Session: "Advances in Time Series Analysis"; 16th International Conference on Computational and Methodological Statistics-Computational and Financial Econometrics, (CMStatistics-CFE 2023), Berlin, December 2023
- Organizer of Contributed Session: "Dynamic Analysis of Cryptocurrency" at 15th International Conference on Computational and Methodological Statis tics-Computational and Financial Econometrics (CMStatistics-CFE 2022), King's College London, December 17-19 2022
- Bank of Canada workshop on "Private Digital Cryptoassets as Investment? Bitcoin Ownership and Usage in Canada, 2016-2021", York University, June 7 2022

*Attended (P-presenter, D-discussant, C-chair):*

- Seminar, Tor Vergata University of Rome, Department of Economics and Finance, April 24, 2026
- 16th Workshop in Time Series Econometrics, Zaragoza, Spain, March 19-20, 2026, invited speaker
- 19th International Conference on Computational and Methodological Statistics (CMStatistics-CFE 2023), London, December 2025 (P)

- Seminar, McGill University, Department of Economics, November 21, 2025
- Conference in honour of James MacKinnon, September 18-19, 2025, Kingston, Ontario
- Canadian Econometrics Study Group (CESG), Ottawa, October 2025 (P)
- Noncausal Econometrics Workshop, Paris, France, June 13-14, 2025 (P)
- Rochester Conference in Econometrics, University of Rochester, Rochester U.S., May 2, 2025 (P)
- Computational and Methodological Statistics-Computational and Financial Econometrics (CMStatistics-CFE 2024), London, December 14-16, 2024 (P)
- Bank of Canada, Understanding and Correcting for Non-response Bias workshop, December 9, 2024, BoC Head Office, Ottawa
- Econometric Society African Meetings, June 2024, Abidjan, Cote d'Ivoire (P)
- Financial Econometrics workshop, Toulouse May 2024, France (P)
- Canadian Econometrics Study Group (CESG), Hamilton, October 2023 (P)
- NBER-NSF Time Series Conference, Montreal, September 2023 (P)
- Freiburg University, Institute of Economics, "Nonlinear Causal-Noncausal (S)VAR Models", June 2023, Germany (P)
- Bank of Canada, Access to Cash and Financial Services workshop, March 27-28, 2023, BoC Head Office, Ottawa
- Bank of Canada, CBDC Economic Working Group seminar, February 23, 2023 (P) "Digital Divide", shared with P. Mackenzie
- Computational and Methodological Statistics-CFE (CMStatistics-CFE 2022), King's College London UK, December 2022 (P)
- Women in Econometrics, Toronto, October 2022, invited talk (P)
- CIREQ Montreal Econometrics Conference in Honour of Eric Renault, May 2022 (P)
- Banque de France, Conférence Académique de la Chaire ACPR "Finance Post-Covid. Nouveaux risques, nouvelles opportunités" December 2021, Paris
- CFE-CMStatistics, December 2021, King's College London UK, invited (P)
- Canadian Econometrics Study Group, Vancouver, November 2021 (P)
- North American Summer Meetings of the Econometric Society, Montreal 2021 (P)
- CORS Canadian Operational Research Society, Conference, Toronto, 2020 and 2021, invited (P)
- Econometric Society World Congress, Bologna, August 2020 (P accepted)

**OTHER PROFESSIONAL ACTIVITIES (since 2020)**

- Deemed Employee of Statistics Canada 2022/01-present
- Principal Scholar, RISC - Risk and Insurance Studies Centre, York University, 2022-present
- Chercheur Associé, ACPR Chair "Regulation and Systemic Risks" Autorité de Contrôle Prudentiel et de Résolution - ACPR (The French Prudential Supervision and Resolution Authority) (2018/09-2022/09)
- Member of CanCOVID: Expert Community of Canadian COVID-19 Researchers, 2023
- Member of CORS: Canadian Operational Research Society, 2022-present
- Member of the International Association for Applied Econometrics, 2016-2018, 2024
- Member of the Society for Financial Econometrics (SoFie ), 2008-2014
- Member of the Econometric Society, since 1995,
- Associate Fellow, Centre Interuniversitaire de Recherche en Economie Quantitative CIREQ), Universite de Montreal, since 2004