

# Jorge Cruz Lopez, Ph.D.

University of Western Ontario  
Department of Economics  
Faculty of Social Science  
London, Ontario, Canada, N6A 5C2

e: [jcruzlop@uwo.ca](mailto:jcruzlop@uwo.ca)  
w: [Faculty](#) | [LinkedIn](#)  
t: +1 (519) 661 2111 ext. 82782

## General Information

**Experience:** Academia (~13 years), Central Banking (~10 years), FinTech Industry (~4 years)

**Research Interests:** Asset Pricing, Risk Management and Financial Market Infrastructures (FMIs)

**Teaching Fields:** Financial Economics, Derivatives, Investments and Econometrics

## Employment

### Academia

<b>Director, Master of Financial Economics (MFE)</b> , Department of Economics, University of Western Ontario (London, Canada).	2024 - Present
<b>Assistant Professor</b> , Department of Economics, University of Western Ontario (London, Canada).	2020 - Present
<b>Visiting Associate Professor</b> , Department of Economics, University of Western Ontario (London, Canada)	2019 - 2020
<b>Lecturer</b> , Sprott School of Business, Carleton University (Ottawa, Canada)	2016 - 2019
<b>Lecturer</b> , Telfer School of Management, University of Ottawa (Ottawa, Canada)	2018
<b>Lecturer</b> , Beedie School of Business, Simon Fraser University (Vancouver, Canada)	2007 - 2011
<b>Research / Teaching Assistant</b> , Beedie School of Business, Simon Fraser University (Vancouver, Canada)	2004 - 2011

### Industry

<b>Director of Financial Engineering and Research</b> , Financial Network Analytics Ltd. (London, UK)	2019 - 2023
---	-------------

### Central Banking

<b>Principal Researcher</b> , Funds Management and Banking Department, Bank of Canada (Ottawa, Canada). On leave from June 2019 to March 2022.	2016 - 2022
<b>Principal Researcher</b> , Financial Markets Department, Bank of Canada (Ottawa, Canada)	2014 - 2015
<b>Associate Editor of the Bank of Canada <i>Financial System Review</i></b> , Financial Markets Department, Bank of Canada (Ottawa, Canada)	2014 - 2015
<b>Senior Economist</b> , Financial Markets Department, Bank of Canada (Ottawa, Canada)	2011 - 2014

## Other Affiliations

### Editorial Positions

Deputy Editor, Journal of Financial Market Infrastructures (JFMI)	2023 - Present
Co-Editor, Latin American Journal of Central Banking (LAJCB)	2024 - Present
Associate Editor, Latin American Journal of Central Banking (LAJCB)	2019 - 2024
Associate Editor, Journal of Financial Market Infrastructures (JFMI)	2021 - 2023

### Advisory Positions

Member of the Advisory Board, New York Institute of Finance (New York, USA)	2016 - Present
---	----------------

### Visiting and Consulting Positions

Academic Consultant, Bank of Canada (Ottawa, Canada)	2019 - Present
--	----------------

## Other Affiliations (continued)

### Visiting and Consulting Positions

Visiting Scholar, De Nederlandsche Bank (Amsterdam, The Netherlands)	2019
Visiting Scholar, Department of Finance, HEC Paris (Paris, France)	2013 - 2014
Visiting Scholar, School of Economics and Finance, Queensland University of Technology (Brisbane, Australia)	2012 - 2014

## Education

<b>Ph.D. in Business Administration (Finance)</b>	2014
<b>Thesis:</b> <i>Essays on Collateral and Central Counterparties</i>	
<b>Supervisors:</b> Christophe Pérignon (HEC Paris, France) and Daniel Smith (QUT, Australia).	
<b>External Supervisor:</b> Peter Christoffersen (University of Toronto, Canada).	
<b>Degree:</b> Beedie School of Business, Simon Fraser University (Vancouver, Canada)	
<b>Coursework:</b> Sauder School of Business, The University of British Columbia (Vancouver, Canada)	2006 - 2008
<b>Visits and stays:</b>	
School of Economics and Finance, QUT (Brisbane, Australia)	2010 - 2011
Department of Finance, HEC Paris (Paris, France)	2010
<b>M.A. in Financial Risk Management (Graduated Top of the Class)</b>	2006
<b>Project:</b> <i>Short Term Market Reactions to Equity Carve-Outs of U.S. Traded Companies</i>	
<b>Supervisors:</b> Chris Veld and Christophe Pérignon	
<b>Degree:</b> Beedie School of Business, Simon Fraser University (Vancouver, Canada)	
<b>B.B.A. Finance (First Class Joint Honours in Finance and Economics)</b>	2005
<b>Project:</b> <i>Business Bankruptcy Prediction in Canada: A Theoretical Review and an Empirical Model for the Assessment of its Probability.</i>	
<b>Supervisor:</b> Clyde Reed	
<b>Degree:</b> Beedie School of Business, Simon Fraser University (Vancouver, Canada)	

## Additional Training and Courses

<b>Financial and Monetary Economics (ECO 529)</b>	2018
Department of Economics, Princeton University (New Jersey, USA)	
<b>Advanced Workshop for Central Bankers (Macroeconomic Models)</b>	2017
Center for International Macroeconomics, Northwestern University (Evanston, USA)	
<b>Advanced Topics in Empirical Finance</b>	2013
Study Center Gerzensee, Swiss National Bank (Gerzensee, Switzerland)	
<b>Systemic Risk Assessment: Identification and Monitoring</b>	2012
Centre for Central Banking Studies, Bank of England (London, UK)	

## Keynote Presentations

<b>Risk Management in FMIs: Important Risks We Should Not Ignore</b>	2023
IV Meeting of Heads of Financial Market Infrastructures, CEMLA (Mexico City, Mexico)	
<b>New Tools for Identifying, Measuring and Managing Risk in CCPs</b>	2016
Annual Economics Conference: CCPs and Quantitative Disclosures, Federal Reserve Bank of Chicago (Chicago, USA)	
<b>CoMargin: A collateral system to reduce systemic risk</b>	2015
4th Annual Collateral Management Forum, Global Leading Conferences (Vienna, Austria)	

## Publications

---

- European Puts, Credit Protection, and Endogenous Default** 2020  
*Quarterly Journal of Finance*. Co-authored with Alfredo Ibañez (Comillas Pontifical University)
- Who Pays? Who Gains? CCP Resource Provision in the post-Pittsburgh world** 2019  
*Journal of Financial Market Infrastructures*, 7(3), pp. 21 - 44. Co-authored with Fernando Cerezetti, Mark Manning and David Murphy.
- FMIC 2 Special Issue Introduction: A Policy View on Developments in the Field of Financial Market Infrastructures** 2018  
*Journal of Financial Market Infrastructures*, 6(2/3), pp. 1 - 20.  
 Co-authored with Biliana Alexandrova-Kabadjova, Evangelos Benos, Jo Braithwaite, Ronald Heijmans, Mark Manning, David Murphy and Francisco Rivadeneyra.
- CoMargin** 2017  
*Journal of Financial and Quantitative Analysis*, 52(5), pp. 2183 - 2215.  
 Co-authored with Jeffrey H. Harris, Christophe Hurlin and Christophe Pérignon.
- Mind the Gap: Undercollateralization in the Global and Canadian OTCD Markets** 2015  
*Analyzing the Economics of Financial Market Infrastructures*, Chapter 15, pp. 304 - 316, IGI Global, Deutsche Bundesbank, Banco de Mexico, and De Nederlandsche Bank.
- The Market for Collateral: The Potential Impact of Financial Regulation** 2013  
*Financial System Review*, Bank of Canada, June 2013, pp. 45 - 53.  
 Co-authored with Royce Mendes and Harri Vikstedt.
- Clearing House, Margin Requirements, and Systemic Risk** 2011  
*Review of Futures Markets*, 19 Special Edition, pp. 39-54.  
 Co-authored with Jeffrey H. Harris and Christophe Pérignon.

## Working Papers

---

- Residual Risk and Default Waterfalls in Central Counterparties**
- Joint Determination of Counterparty and Liquidity Risk in Payment Systems**  
 Awarded *Best Paper on Risk Management* at the NFA 2019 Conference.  
 Co-authored with Charles Kahn (University of Illinois at Urbana-Champaign) and Gabriel Rodriguez (McGill University)
- The Volume-Premium Relationship in ETFs**  
 Co-authored with Jesus Sierra (Victoria Island University)
- The Tail-Hedging Index: The Price of Hedging VaR Events**  
 Co-authored with Julio Rodriguez Burgos (CEMLA) and Max Mitre (CEMLA)

## Work in Progress

---

- Simulation and Stress Testing of Large Value Payment Systems**  
 Co-authored with Gabriel Rodriguez Rondon (McGill University)
- Liquidity Savings from Consolidating Cross-Border Payments**  
 Co-authored with Jordan Cambe (Armalytix and Imperial College)

## Awards, Grants and Fellowships

---

<b>Centro de Estudios Monetarios Latinoamericanos (CEMLA) USD \$1,5000/year</b> Center for Latin American Monetary Studies (Mexico City, Mexico)	2023, 2024 (Forth.)
<b>University of Western Ontario Research Grant CAD \$6,000/year</b> University of Western Ontario (Vancouver, Canada)	2019, 2020
<b>NFA Annual Conference Best Paper in Risk Management CAD \$2,000</b> Northern Finance Association (Vancouver, Canada) Paper: Joint Determination of Counterparty and Liquidity Risk in Payment Systems Co-authors: Charles Kahn (University of Illinois at Urbana-Champaign) and Gabriel Rodriguez (McGill University)	2019
<b>CDI Research Grant for CAD \$75,000</b> Canadian Derivatives Institute (Montreal, Canada) Joint with Christophe Hurlin and Christophe Pérignon	2012 - 2015
<b>Graduate Fellowship for CAD \$6,250/year</b> Simon Fraser University (Vancouver, Canada)	2005 - 2011
<b>President's PhD Research Stipend for CAD \$6,250</b> Simon Fraser University (Vancouver, Canada)	2010
<b>HSBC Graduate Award in Business Administration for CAD \$5,200</b> HSBC Canada (Vancouver, Canada)	2007

## Central Banking Activities

---

<b>Working Groups and Task Forces</b>	
<b>Payments Modernization</b> Bank of Canada (Ottawa, Canada)	2016 - 2019
<b>OTC Derivatives</b> Bank of Canada (Ottawa, Canada)	2015
<b>Financial System Review</b> Bank of Canada (Ottawa, Canada)	2014 - 2015
<b>Margin Requirements</b> Bank of Canada (Ottawa, Canada)	2012 - 2013
<b>OTC Collateral Requirements</b> Bank of Canada (Ottawa, Canada)	2012 - 2013
<b>International Representation</b>	
<b>Trinity of Stability Research Network</b> Bank of Canada, Deutsche Bundesbank, Federal Reserve, Princeton University and Sverges Riskbank	2015

## Teaching Experience

---

### Graduate

<b>Financial Economics (Master of Financial Economics)</b> Department of Economics, University of Western Ontario (London, Canada)	2020 - Present
<b>The Economics of Derivatives (Graduate Economics, Finance, Mathematics, Statistics)</b> Department of Economics, University of Western Ontario (London, Canada)	2019 - Present
<b>Financial Management Concentration Integration (MBA Capstone Course)</b> Sprott School of Business, Carleton University (Ottawa, Canada)	2016 - 2019

### Undergraduate

<b>The Economics of Derivatives (Honours Course)</b> Department of Economics, University of Western Ontario (London, Canada)	Forth.
<b>Financial Economics (Honours Course)</b> Department of Economics, University of Western Ontario (London, Canada)	2020 - Present
<b>Intermediate Econometrics II (Honours Course)</b> Department of Economics, University of Western Ontario (London, Canada)	2021
<b>Derivatives</b> Sprott School of Business, Carleton University (Ottawa, Canada)	2018 - 2019
<b>Financial Management</b> Telfer School of Management, University of Ottawa (Ottawa, Canada)	2018
<b>International Financial Management</b> Simon Fraser University (Vancouver, Canada)	2011
<b>Investments</b> Simon Fraser University (Vancouver, Canada)	2009 - 2011
<b>Derivative Securities</b> Simon Fraser University (Vancouver, Canada)	2007 - 2011
<b>Corporate Banking</b> Simon Fraser University (Vancouver, Canada)	2008 - 2010
<b>Teaching Assistant (Undergraduate)</b>	
<b>Introduction to Corporate Finance</b> Simon Fraser University (Vancouver, Canada)	2004 - 2010
<b>Managerial Economics</b> Simon Fraser University (Vancouver, Canada)	2004 - 2005, 2008
<b>Intermediate Macroeconomic Theory</b> Simon Fraser University (Vancouver, Canada)	2004 - 2005
<b>Labour Economics</b> Simon Fraser University (Vancouver, Canada)	2005

## Academic Supervision

---

### PhD Students

<b>Supervisory Committee Member for Kunyuan Zhang, PhD Candidate (Economics)</b> University of Western Ontario (London, Canada)	2023 - Present
<b>External Thesis Examiner for Raisul Islam, PhD (Finance)</b> <b>Thesis:</b> Systemic Risk Transmission: Visualizing Vulnerability University of Tasmania (Hobart, Australia)	2020
<b>External Thesis Examiner for Wenqian Huang, PhD (Finance)</b> <b>Thesis:</b> Trading and Clearing in Modern Times VU University Amsterdam (Amsterdam, The Netherlands)	2014 - 2017

**Academic Supervision (continued)**

---

**Master's Students**

<b>Summer Project Supervisor for Yuting Gao</b>	2021
MS Math Finance Program, Boston University (Boston, USA)	
<b>Summer Project Supervisor for Miaomiao Duo and Yanan Shao</b>	2017
MS Math Finance Program, Boston University (Boston, USA)	
<b>Project Supervisor for David Gontovnick and Clayton Wong</b>	2014
MSc Finance Program, Simon Fraser University (Vancouver, Canada)	

**Other Teaching Activities**

---

**Case Competitions**

<b>Coach for Rotman International Trading Competition</b>	2020, 2023, 2024
University of Western Ontario (London, Canada)	
<b>Founder of Finance International Case Competition</b>	2010
Simon Fraser University (Vancouver, Canada)	
<b>Coach for Queen's University ICBC Case Competition (Finance and Accounting)</b>	2007 – 2010
Simon Fraser University (Vancouver, Canada)	
<b>Coach for JDC West Competition 2008 (Finance and Accounting)</b>	2008
Simon Fraser University (Vancouver, Canada)	
<b>Representative at the Royal Roads International Case Competition</b>	2005
Simon Fraser University (Vancouver, Canada)	

**Guest Lectures**

---

**George Mason University**

Antonin Scalia Law School (Online - Arlington, USA)	2021, 2022, 2023, 2024
---	------------------------

**Boston University**

MS in Mathematical Finance Program, Questrom School of Business (Boston, USA)	2017, 2019, 2021, 2022
---	------------------------

**Imperial College London**

Course on Data Science in FinTech, RegTech and SupTech (Online - London, UK)	2021
--	------

**Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)**

EGADE Business School (Monterrey, Mexico)	2019
---	------

**Invited Seminar Presentations**

---

<b>The University of Western Ontario</b>	2023
Ivey Business School (London, Canada)	
<b>Simon Fraser University (SFU)</b>	2015, 2017, 2023
Segal Graduate School of Business (Vancouver, Canada)	
<b>Vancouver Island University (VIU)</b>	2023
Faculty of Business (Nanaimo, Canada)	
<b>World Federation of Exchanges (WFE)</b>	
Research Department Webinar Series (Online - London, UK)	2023

**Invited Seminar Presentations (continued)**

---

<b>Banco de México (Banxico)</b> Financial Stability Department (Mexico City, Mexico)	2014, 2017, 2023
<b>The University of Manchester</b> Virtual Finance Seminar Series (Online - Manchester, UK)	2020
<b>HEC Montreal</b> Department of Finance (Montreal, Canada)	2019
<b>De Nederlandsche Bank (DNB)</b> Financial Market Infrastructures Department (Amsterdam, The Netherlands)	2019
<b>Center for Latin American Monetary Studies (CEMLA)</b> Research Department (Mexico City, Mexico)	2019
<b>Federal Reserve Board of Governors</b> Quantitative Risk Analysis Section (Washington D.C., USA)	2019
Payment System Studies Section (Washington D.C., USA)	2018
<b>Boston University</b> Finance Department, Questrom School of Business (Boston, USA)	2015, 2017, 2019
<b>University of Victoria</b> Peter B. Gustavson School of Business (Victoria, Canada)	2018
Department of Economics (Victoria, Canada)	2018
<b>University of Ottawa</b> Statistics and Probability Research Group (Ottawa, Canada)	2018
<b>London School of Economics (LSE)</b> Systemic Risk Centre (London, UK)	2018
<b>Bank of England</b> Markets Infrastructure Directorate (London, UK)	2017, 2018
Financial Stability Department (London, UK)	2013
Centre for Central Banking Studies (London, UK)	2012
<b>Bank for International Settlements (BIS)</b> Committee on Payments and Market Infrastructures, CPMI (Basel, Switzerland)	2017
Representative Office for the Americas (Basel, Switzerland)	2016
<b>VU University Amsterdam</b> Faculty of Economics and Business Administration (Amsterdam, The Netherlands)	2017
<b>Federal Reserve Bank of Chicago</b> Research Department (Chicago, USA)	2016
<b>U.S. Commodity Futures Trading Commission (CFTC)</b> Economic Analysis Department (Washington D.C., USA)	2016
<b>The University of Tokyo</b> Faculty of Economics (Tokyo, Japan)	2014
<b>Bank of Japan</b> Financial System and Bank Examination Department (Tokyo, Japan)	2014
<b>Instituto Tecnológico Autónomo de México (ITAM)</b> Faculty of Business Administration and Department of Mathematics (Mexico City, Mexico)	2014

**Invited Seminar Presentations (continued)**

<b>Queensland University of Technology</b>	
School of Economics and Finance (Queensland, Australia)	2014
<b>Bank of Canada</b>	
Management Forum Presentation to the Board of Governors (Ottawa, Canada)	2013
Financial Markets Department (Ottawa, Canada)	2011
<b>Reserve Bank of Australia</b>	
Financial Stability Department (Sydney, Australia)	2011

**Academic Conference Presentations**

<b>CEA Annual Conference</b>	2014, 2018, 2019 <sup>†</sup> , 2022
Canadian Economics Association (Canada)	2023 <sup>†</sup> , 2024 <sup>†</sup> (Forth.)
<b>II Regional Conference on Payments and Financial Market Infrastructures</b>	2023
Center for Latin American Monetary Studies (CEMLA) and Banco de la República de Colombia (Online - Bogota, Colombia)	
<b>AFA Annual Meetings</b>	2015, 2022
American Finance Association (USA)	
<b>Economics of Payments Conference X</b>	2021 <sup>†</sup>
Bank of Finland (Online – Helsinki, Finland)	
<b>International Risk Management Conference 14<sup>th</sup></b>	2021
The Risk, Banking and Finance Society (Online - Cagliari, Italy)	
<b>Australasian Finance and Banking Conference 23<sup>rd</sup>, 24<sup>th</sup>, 27<sup>th</sup>, 32<sup>nd</sup>, 33<sup>rd</sup>, 34<sup>th</sup></b>	2010 <sup>†</sup> , 2011, 2014,
University of New South Wales (Sydney, Australia)	2019, 2020
<b>New Zealand Finance Meeting</b>	2014 <sup>†</sup> , 2019 <sup>†</sup>
Auckland Center for Financial Research, Auckland University of Technology (Auckland, New Zealand)	
<b>National Congress of the Mexican Mathematical Society</b>	2019 <sup>i</sup>
Sociedad Matemática Mexicana (Monterrey, Mexico)	
<b>NFA Conference</b>	2012, 2016 <sup>‡</sup> , 2019
Northern Finance Association (Canada)	
<b>The Bank of Finland Payment and Settlement Simulator Seminar</b>	2019
Bank of Finland (Helsinki, Finland)	
<b>SIAM Conference on Financial Mathematics and Engineering</b>	2019 <sup>i</sup>
Society for Industrial and Applied Mathematics (Toronto, Canada)	
<b>Joint Bank of Canada and Payments Canada Workshop 4<sup>th</sup> and 5<sup>th</sup></b>	2017, 2018 <sup>*</sup>
Bank of Canada and Payments Canada (Ottawa, Canada)	

<sup>i</sup>Invited Presentation, <sup>\*</sup>Conference Chair, <sup>†</sup>Session Chair, <sup>‡</sup>Discussant



**Academic Conference Presentations (continued)**

<b>Summer Workshop on Money, Banking, Payments and Finance</b> Federal Reserve Bank of St. Louis (St. Louis, USA)	2018
<b>Mini-symposium on Systemic Risk</b> The Fields Institute for Research in Mathematical Sciences and Global Risk Institute (Toronto, Canada)	2018 <sup>i</sup>
<b>2018 Quantitative Risk Management and Financial Analytics Workshop</b> University of Ottawa (Ottawa, Canada)	2018 <sup>i</sup>
<b>Financial Market Infrastructure Conference II</b> Bank of Canada, Bank of England, Bank of Mexico and De Nederlandsche Bank (Amsterdam, The Netherlands) FMA Conferences Financial Management Association Latin America (Mexico City, Mexico) Financial Management Association Asia (Tokyo, Japan) Financial Management Association Europe (Istanbul, Turkey)	2017 <sup>i,†</sup>   2017 <sup>i</sup> 2014 <sup>†</sup> 2012
<b>The Sixth Risk Management Conference</b> University of Toronto, Bank of Canada, McGill University (Mont Tremblant, Canada)	2015 <sup>‡</sup>
<b>Third BIS Research Network Meeting: Global Financial Interconnectedness</b> Bank for International Settlements (Basel, Switzerland)	2015 <sup>‡</sup>
<b>Bank of Canada Conferences</b> Collateral, Liquidity and Central Bank Operations (Ottawa, Canada) Fellowship Learning Exchange (Ottawa, Canada) International Financial Markets Workshop (Ottawa, Canada) Financial Intermediation and Market Dynamics Workshop (Ottawa, Canada)	2014 <sup>*</sup> 2014 2011 2011
<b>Third IFSID Conference on Derivatives</b> Institut de la Finance Structurée et des Instruments Dérivés de Montréal, HEC Montréal (Montreal, Canada)	2014
<b>Systemic Risk and Financial Regulation Conference</b> Banque de France and The Society for Financial Econometrics, SoFiE (Paris, France)	2014
<b>XVII Annual Meeting of the Central Bank Researchers Network</b> Center for Latin American Monetary Studies CEMLA (Montevideo, Uruguay)	2012
<b>World Business and Economics Research Conference</b> World Business Institute (Auckland, New Zealand)	2011
<b>Frontiers in Financial Econometrics Workshop</b> The Bendheim Center for Finance, Princeton University and The National Centre for Econometric Research, Queensland University of Technology (Brisbane, Australia)	2011
<b>Conference on Extreme Dependence in Financial Markets</b> Erasmus University (Rotterdam, The Netherlands)	2011
<b>The 6th Annual Interdisciplinary Research in the Mathematical and Computational Sciences Day</b> Poster Presentation, Simon Fraser University (Burnaby, Canada)	2011
<b>Ciclo de Conferencias Económicas</b> Universidad Autónoma del Estado de Hidalgo (Pachuca, Mexico)	2008 <sup>i</sup>

<sup>i</sup>Invited Presentation, <sup>\*</sup>Conference Chair, <sup>†</sup>Session Chair, <sup>‡</sup>Discussant

## Invited Industry and Government Presentations

<b>Curso sobre Infraestructuras del Mercado Financiero</b>	2020, 2023
Workshop presentation, Center for Latin American Monetary Studies CEMLA (Online - Mexico City, Mexico)	
<b>Course on SupTech and RegTech</b>	2021
Workshop presentation, Center for Latin American Monetary Studies CEMLA (Online - Mexico City, Mexico)	
<b>Payment Systems: Present Day Outlook and Perspectives</b>	2019
Workshop presentation, Center for Latin American Monetary Studies CEMLA (Mexico City, Mexico)	
<b>Collateral Management Forum</b>	2017
Session presentation, Fleming (New York, USA)	
<b>Cleared and Uncleared Margins: Solutions and Optimization</b>	2017
Session presentation, Risk.net (New York, USA)	
<b>Initial Margin Optimization for Financial Institutions</b>	2017*
Session presentation, Global Financial Market Intelligence (New York, USA)	
<b>New York Institute of Finance, Financial Times</b>	
Seminar presentation, Chartered Financial Risk Engineer Program (New York City, USA)	2016, 2017, 2018
Seminar presentation, Central Banking Training (New York City, USA)	2017
<b>National Asset-Liability Management Europe Conference</b>	2017
Session presentation, Central Banking (London, UK)	
<b>Global Risk Management Forum</b>	2016
Session presentation, Fleming (New York, USA)	
<b>5<sup>th</sup> Annual Collateral Management Forum</b>	2016
Session presentation, Global Leading Conferences (Amsterdam, The Netherlands)	
<b>Collateral Excellence</b>	2016*
Session presentation, Global Financial Market Intelligence (New York, USA)	
<b>Derivatives World Congress</b>	2015
Panel presentation, American Leaders (Chicago, USA)	
<b>Enterprise Collateral Conference</b>	2014 <sup>†</sup>
Session presentation, WB Research (London, UK)	
<b>Euro-Asia Economic Forum</b>	2013 <sup>†</sup>
Panel Presentation (Xi'an, China)	
<b>Toronto Financial Information Summit</b>	2013
Panel Presentation (Toronto, Canada)	

\*Conference Chair, <sup>†</sup>Session Chair

## Editorial Duties

---

<b>Journal of Financial Market Infrastructures (JFMI)</b>	
Associate Editor	2021 - Present
Guest Editor, Special Issue on Big Data and Data Science in Financial Market Infrastructures	2020 - 2021
Guest Editor, Special Issue Financial Market Infrastructure Conference II Proceedings	2017
<b>Latin American Journal of Central Banking (LAJCB)</b>	
Associate Editor	2019 - Present
<b>Bank of Canada Financial System Review</b>	
Associate Editor	2014 - 2015

## Peer Reviews

---

<b>Journal Refereeing</b>	
Latin American Journal of Central Banking (LAJCB)	2020 - 2024
North American Journal of Economics and Finance	2023
Journal of Financial and Quantitative Analysis (JFQA)	2020, 2021, 2022
Journal of Financial Market Infrastructures (JFMI)	2017, 2020
Canadian Journal of Economics (CJE)	2015, 2016
Quantitative Finance (QF)	2014, 2015
Revue Finance (Association Française de Finance)	2014
<b>Books</b>	
Fundamentals of Investing, First Canadian Edition, Pearson	2020
<b>Conference Proceedings</b>	
The Sixth Public Investors Conference Proceedings	2020
Bank for International Settlements, World Bank, Bank of Canada (Washington D.C., USA)	

## Scientific Committees

---

<b>NFA Conference</b>	2017 - 2024
Northern Finance Association (Canada)	
<b>CEA Annual Conference</b>	2023, 2024
Program Selection Coordinator for Financial Economics Area, Canadian Economics Association (Canada)	
<b>Clearing and Derivatives Conference</b>	2023, 2024
World Federation of Exchanges WEF (London, UK)	
<b>II Regional Conference on Payments and Financial Market Infrastructures</b>	2023
Center for Latin American Monetary Studies (CEMLA) and Banco de la República de Colombia (Bogota, Colombia)	
<b>New Zealand Finance Meeting</b>	2015 - 2018
Auckland Center for Financial Research, Auckland University of Technology (Auckland, New Zealand)	
<b>Joint Bank of Canada and Payments Canada Workshop</b>	
5 <sup>th</sup> Edition: Innovations in Payment Systems, FinTech and Central Bank Digital Currencies (Ottawa, Canada)	2018

## Scientific Committees (continued)

---

<b>Bank of Canada Student Paper Award</b>	
Bank of Canada (Ottawa, Canada)	2018
Bank of Canada and Canadian Economics Association (Ottawa, Canada)	2017
<b>International Conference on Information Systems (ICIS)</b>	2018
Association for Information Systems (San Francisco, USA)	
<b>ANR Call for Proposals</b>	2018
L'Agence nationale de la recherche (Paris, France)	
<b>First International Conference on Physics, Mathematics and Statistics</b>	2018
The University of Hong Kong and Georgia State University (Shanghai, China)	
<b>Prepasup International Conference</b>	2015
Prepasup (Paris, France)	

## Organizing Committees

---

<b>Financial Market Infrastructure Conference</b>	
3 <sup>rd</sup> Edition: Organizing Committee	2018
Bank of Canada, Bank of England, Bank of Mexico and De Nederlandsche Bank, Federal Reserve Bank of Chicago (Ottawa, Canada)	
2 <sup>nd</sup> Edition: Organizing Committee	2017
Bank of Canada, Bank of England, Bank of Mexico and De Nederlandsche Bank (Amsterdam, The Netherlands)	
<b>Joint Bank of Canada and Payments Canada Workshop</b>	
5 <sup>th</sup> Edition: Conference Chair, Innovations in Payment Systems, FinTech and Central Bank Digital Currencies, Bank of Canada and Payments Canada (Ottawa, Canada)	2018
<b>Bank of Canada Seminar Series</b>	
Lead Coordinator, Funds Management and Banking Department (Ottawa, Canada)	2016 - 2017
Lead Coordinator, Financial Markets Department (Ottawa, Canada)	2011 - 2013
<b>Global Risk Management Forum</b>	2016, 2017
Advisory Committee, Fleming (New York, USA)	
<b>FMA Latin America Conference</b>	2017
Panel Organizer (Central Banking), Financial Management Association (Mexico City, Mexico)	
<b>Derivatives World Congress</b>	2016
Advisory Committee, Fleming (Chicago, USA)	
<b>Collateral, Liquidity and Central Bank Operations Conference</b>	2014
Organizing Committee, Bank of Canada (Ottawa, Canada)	

## Personal Information

---

**Citizenship:** Canadian and Mexican  
**Hobbies:** Soccer, chess, taekwondo (First Degree Black Belt, World Taekwondo Federation)