

Curriculum Vitae of Alexey Kuznetsov

Personal

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York University, 4700 Keele Street
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Citizenship Canada, Russia

Languages English, Russian

Education

2002-2004 Ph.D. in Mathematics, University of Toronto, Canada
Ph.D. Thesis: “Solvable Markov processes”
Advisor: Prof. C. Albanese

1997-2002 M.Sc. in Mathematics, Diploma with Honor, Moscow State University, Russia
M.Sc. Thesis: “Pricing of bonds in the Ho-Lee model under transaction costs”
Advisor: Prof. A.V. Melnikov

Research Interests

Stochastic processes

Special Functions, Complex Analysis, Numerical Methods

Mathematical Finance, Actuarial Mathematics

Employment

2018-present Professor, Department of Mathematics and Statistics, York University

2011-2018 Associate Professor, Department of Mathematics and Statistics, York University

2008-2011 Assistant Professor, Department of Mathematics and Statistics, York University

2006-2008 Assistant Professor, Department of Mathematical Sciences, University of New Brunswick

2004-2006 Postdoctoral Fellow, Department of Mathematics and Statistics, McMaster University

Grants and Awards

2019	NSERC Discovery Grant: "Lévy processes and their applications" \$25,000 per year for 2019-2025
2017	Casualty Actuarial Society grant "An efficient algorithm for approximating independent and dependent sums of log-normally distributed losses", \$18,000 USD, joint with Ed Furman and Dan Hackmann
2013	NSERC Discovery Grant: "Exit problems for Lévy processes" \$19,000 per year for 2013-2018
2012	NSERC Discovery Grant: "Exit problems for Lévy processes" \$12,000 for 2012-2013
2010	Minor Research Fund, York University, \$1,352
2010	Junior Faculty Research Fund, York University, \$573.97
2007	NSERC Discovery Grant: "Solvable models in option pricing and credit risk" \$12,000 per year for 2007-2012
2004	NSERC Postgraduate Scholarship
2003-2004	Ontario Graduate Scholarship, \$15,000

Published and accepted papers

- [68] A. Kuznetsov and P.C. Hang "*Fourier transform pairs and Eisenstein-type series related to Jacobi elliptic functions*", Ramanujan Journal, 79, 85, 2026
- [67] A. Kuznetsov "*Simple and accurate approximations to the Riemann zeta function*", Journal of Computational and Applied Mathematics, 488, 117791, 2026
- [66] A. Kuznetsov and A. Mohammadiroojeh "*Approximating functions on $\mathbb{R}^+$ by exponential sums*", Journal of Computational and Applied Mathematics, 487, 117756, 2026
- [65] A. Kuznetsov "*On series expansions of zeros of the deformed exponential function*", Mathematics of Computation, 95, 2917-2939, 2026
- [64] D. Karp and A. Kuznetsov "*Extending the Meijer G-function*", Constructive Approximation, 63, 223-256, 2026
- [63] A. Kuznetsov and M. Yuan "*Darboux transformation of diffusion processes*", SIGMA, 21, 099, 2025
- [62] M. Al-Saidi, A. Kuznetsov and M. Nediak, "*On ordered beta distribution and the generalized incomplete beta function*", Methodology and Computing in Applied Probability, 27, 1, 2025
- [61] W. Bryc, A. Kuznetsov and J. Wesolowski "*Limits of Random Motzkin paths with KPZ related asymptotics*", International Mathematics Research Notices, (4), 1-33, 2025

- [60] A. Kuznetsov and Y. Wang “*On the dual representations of Laplace transforms of Markov processes*”, Electronic Journal of Probability, 29, 1-22, 2024
- [59] S. Alexanian and A. Kuznetsov “*On the Barnes double gamma function*”, Integral Transforms and Special Functions, 34 (12), 891-914, 2023
- [58] S. I. Kalmykov, D. Karp and A. Kuznetsov “*A new identity for the sum of products of the generalized basic hypergeometric functions*”, Ramanujan J., (61), 391-414, 2023
- [57] W. Bryc, A. Kuznetsov, Y. Wang and J. Wesolowski “*Markov processes related to the stationary measure for the open KPZ equation*”, Probab. Theory Relat. Fields, 185, 353-389, 2023
- [56] W. Bryc and A. Kuznetsov “*Markov limits of steady states of the KPZ equation on an interval*”, ALEA, Lat. Am. J. Probab. Math. Stat. 19, 1329-1351, 2022
- [55] A. Kuznetsov “*Computing the Barnes G-function and the gamma function in the entire complex plane*”, Journal of Computational and Applied Mathematics, 411, 114270, 2022
- [54] A. Kuznetsov “*Lagrange Inversion Theorem for Dirichlet series*”, Journal of Mathematical Analysis and Applications, 493(2), 124575, 2021
- [53] A. Kuznetsov and J. Miles “*On the rate of convergence of the Gaver-Stehfest algorithm*”, IMA Journal of Numerical Analysis, 42(2), 1645-1664, 2021
- [52] J. Miles, E. Furman and A. Kuznetsov “*Risk aggregation: A general approach via the class of Generalized Gamma Convolutions*”, Variance, 13(2), 233-249, 2021
- [51] D. Karp and A. Kuznetsov “*A new identity for the sum of products of the generalized hypergeometric functions*”, Proceedings of the American Mathematical Society, 149, 2861-2870, 2021
- [50] E. Furman, D. Hackmann and A. Kuznetsov “*On log-normal convolutions: An analytical-numerical method with applications to economic capital determination*” Insurance: Mathematics and Economics, 90, 120-134, 2020
- [49] A. Kuznetsov “*On free regular and Bondesson convolution semigroups*”, Journal of Theoretical Probability, 33, 1493-1505, 2020
- [48] R. Feng, A. Kuznetsov and F. Yang “*Exponential functionals of Lévy processes and variable annuity guaranteed benefits*” Stoch. Proc. Appl., 129(2): 604-625, 2019
- [47] A. Kuznetsov and M. Kwasnicki “*Minimal Hermite-type eigenbasis of the discrete Fourier transform*” J. Fourier Anal. Appl., 25(3), 1053-1079, 2019
- [46] A. Kuznetsov “*Using q -calculus to study LDL^T factorization of a certain Vandermonde matrix*” Operators and Matrices, 12(3), 773-777, 2018
- [45] A. Kuznetsov and M. Kwasnicki “*Spectral analysis of stable processes on the positive half-line*” Electron. J. Probab., 23 (10), 1-29, 2018

- [44] E. Furman, A. Kuznetsov and R. Zitikis “*Weighted risk capital allocations in the presence of systematic risk*” Insurance: Mathematics and Economics, 79, 75-81, 2018
- [43] A. Kuznetsov “*A direct evaluation of an integral of Ismail and Valent*” Frontiers in Orthogonal Polynomials and q-Series”, edited by M. Zuhair Nashed and Xin Li, World Scientific Publisher, 417-425, 2018
- [42] A. Kuznetsov “*On Dirichlet series and functional equations*” Journal of Number Theory, 180, 498-511, 2017
- [41] A. Kuznetsov “*Constructing measures with identical moments*” Proc. Amer. Math. Soc., 145, 4431-4441, 2017
- [40] B. Dyda, A. Kuznetsov and M. Kwasnicki “*Eigenvalues of the fractional Laplace operator in the unit ball*”, Journal of the London Mathematical Society, 95, 500-518, 2017
- [39] B. Dyda, A. Kuznetsov and M. Kwasnicki “*Fractional Laplace operator and Meijer G-function*”, Constructive Approximation, 45(3), 427-448, 2017
- [38] T. Amdeberhan, A. Dixit, X. Guan, L. Jiu, A. Kuznetsov, V. H. Moll and C. Vignat “*The integrals in Gradshteyn and Ryzhik. Part 30: Trigonometric functions.*”, SCIENTIA, Series A: Mathematical Sciences, 27, 47-74, 2016
- [37] R.v.d. Hofstad, M. Holmes, A. Kuznetsov and W. Ruszel “*Strongly reinforced Polya urns with graph-based competition*”, Ann. Appl. Probab., 26(4), 2494-2539, 2016
- [36] E. Furman, A. Kuznetsov, J. Su and R. Zitikis “*Tail dependence of the Gaussian copula revisited*”, Insurance: Mathematics and Economics, 69, 97-103, 2016
- [35] R. Feng, A. Kuznetsov and F. Yang “*A short proof of duality relations for hypergeometric functions*”, J. Math. Anal. Appl., 443(1), 116-122, 2016
- [34] D. Hackmann and A. Kuznetsov “*Approximating Levy processes with completely monotone jumps*”, Ann. Appl. Probab., 26(1), 328-359, 2016
- [33] A. Kuznetsov “*Explicit Hermite-type eigenvectors of the discrete Fourier transform*”, SIAM J. Matrix Anal. Appl., 36(4), 1443-1464, 2015
- [32] A. Kuznetsov “*Computing the truncated theta function via Mordell integral*”, Math. Comp., 84, 2911-2926, 2015
- [31] D. Hackmann and A. Kuznetsov “*Asian options and meromorphic Levy processes*”, Finance and Stochastics, 18, 825-844, 2014
- [30] T. Hasebe and A. Kuznetsov “*On free stable distributions*”, Elect. Comm. in Probab., 19, article 56, 1-12, 2014
- [29] J. Burridge, A. Kuznetsov, M. Kwasnicki and A. E. Kyprianou “*New families of subordinators with explicit transition probability semigroup*”, Stoch. Proc. Appl., 124(10), 3480-3495, 2014
- [28] A. Kuznetsov and M. Morales “*Computing the finite-time expected discounted penalty function for a family of Lévy risk processes*”, Scandinavian

Actuarial Journal, 2014(1), 1-31, 2014

[27] A. Kuznetsov, A.E. Kyprianou, J.C. Pardo and A.R. Watson “*The hitting time of zero for a stable process*”, Electron. J. Probab., 19 (paper 30), 1-35, 2014

[26] A. Kuznetsov “*On the convergence of the Gaver-Stehfest algorithm*”, SIAM J. Numer. Anal., 51(6), 2984-2998, 2013

[25] D. Hackmann and A. Kuznetsov “*A note on the series representation for the density of the supremum of a stable process*”, Elect. Comm. in Probab., 18, article 42, 1-5, 2013

[24] A. Kuznetsov “*On the density of the supremum of a stable process*”, Stoch. Proc. Appl., 123(3), 986-1003, 2013

[23] A. Kuznetsov and J.C. Pardo “*Fluctuations of stable processes and exponential functionals of hypergeometric Lévy processes*”, Acta Applicandae Mathematicae, 123(1), 113-139, 2013

[22] A. Kuznetsov “*Asymptotic approximations to the Hardy-Littlewood function*”, J. Comput. Appl. Math., 237(1), 603-613, 2013

[21] A. Kuznetsov, A.E. Kyprianou and V. Rivero “*The theory of scale functions for spectrally negative Lévy processes*”, Levy Matters II, Springer Lecture Notes in Mathematics, Vol. 2061, 97-186, 2013

[20] A. Kuznetsov and X. Peng “*On the Wiener-Hopf factorization for Lévy processes with bounded positive jumps*”, Stoch. Proc. Appl., 122(7), 2610-2638, 2012

[19] A. Kuznetsov, A.E. Kyprianou and J.C. Pardo “*Meromorphic Levy processes and their fluctuation identities*”, Ann. Appl. Probab., 22(3), 1101-1135, 2012

[18] A. Kuznetsov, J.C. Pardo and M. Savov “*Distributional properties of exponential functionals of Lévy processes*”, Electron. J. Probab., 17(8), 1-35, 2012

[17] A. Kuznetsov “*On the distribution of exponential functionals for Lévy processes with jumps of rational transform*”, Stoch. Proc. Appl., 122(2), 654-663, 2012

[16] A. Kuznetsov, A.E. Kyprianou, J.C. Pardo and K. van Schaik “*A Wiener-Hopf Monte Carlo simulation technique for Lévy processes*”, Ann. Appl. Probab., 21(6), 2171-2190, 2011

[15] F. Hubalek and A. Kuznetsov “*A convergent series representation for the density of the supremum of a stable process*”, Elect. Comm. in Probab., 16, 84-95, 2011

[14] A. Kuznetsov “*On extrema of stable processes*”, Ann. Probab., 39(3), 1027-1060, 2011

[13] A. Kuznetsov “*Analytic proof of Pecherskii-Rogozin identity and Wiener-Hopf factorization*”, Theory Probab. Appl., 55(3), 432-443, 2011

- [12] A. Kuznetsov “*Wiener-Hopf factorization for a family of Lévy processes related to theta functions*”, J. Appl. Probab., 47(4), 1023-1033, 2010
- [11] A. Kuznetsov “*Wiener-Hopf factorization and distribution of extrema for a family of Lévy processes*”, Ann. Appl. Probab., 20(5), 1801-1830, 2010
- [10] C. Albanese and A. Kuznetsov “*Transformations of Markov processes and classification scheme for solvable driftless diffusions*”, Markov Process. Relat. Fields, 15(4), 563-574, 2009
- [9] T.R. Hurd and A. Kuznetsov “*On the first passage time for Brownian motion subordinated by a Lévy process*”, J. Appl. Probab., 46(1), 181-198, 2009
- [8] A. Kuznetsov “*Expansion of the Riemann ξ function in Meixner Pollaczek polynomials*”, Canad. Math. Bull., 51(4), 561-569, 2008
- [7] A. Kuznetsov “*On the Lanczos limit formula*”, Integral Transforms and Special Functions, 19(11), 853-858, 2008
- [6] T.R. Hurd and A. Kuznetsov “*Explicit formulas for Laplace transform of stochastic integrals*”, Markov Process. Relat. Fields, 14(2), 277-290, 2008
- [5] A. Kuznetsov “*Integral representations for the Dirichlet L -functions and their expansions in polynomials*”, Integral Transforms and Special Functions, 18(11), 827-835, 2007
- [4] A. Kuznetsov “*On the Riemann-Siegel formula*”, Proc. R. Soc. A, 463(2086), 2557-2568, 2007
- [3] T.R. Hurd and A. Kuznetsov “*Affine Markov chain model of multifirm credit migration*”, Journal of Credit risk, 3(1), 3-29, 2007
- [2] C. Albanese and A. Kuznetsov “*Affine lattice models*”, International Journal of Theoretical and Applied Finance (IJTAF), 8(2), 223-238, 2005
- [1] C. Albanese and A. Kuznetsov “*Unifying volatility models*”, Risk Magazine, 17(3), 94-98, 2004

Submitted papers

- [1] A. Kuznetsov and M. Yuan “*Mehler formula for Wronskians of Hermite polynomials*”, 2026

Preprints

- [2] A. Kuznetsov (2024) “*Series expansions for the Riemann zeta function*”
- [1] T. R. Hurd and A. Kuznetsov (2006) “*Fast CDO computations in the affine Markov chain model*”

Recent presentations (since 2020)

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| October 2025 | “A direct evaluation of an integral of Ismail and Valent”, AMS 2025 Fall South-eastern Sectional Meeting, Tulane University, New Orleans, USA |
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September 2025	“Al-Salam–Chihara polynomials and limits of random Motzkin paths”, Analysis Seminar (via Zoom), University of Louisiana at Lafayette, USA
July 2025	“Zeros of the deformed exponential function”, The Third Joint SIAM/CAIMS Annual Meetings (AN25), Montreal, Canada
November 2024	“Darboux transformation of Diffusion processes”, Probability Seminar, Cornell University, USA
May 2024	“Darboux transformation of Diffusion processes”, 6th Cincinnati Symposium on Probability, USA
April 2024	“Darboux transformation of Diffusion processes”, Probability Seminar at the Mathematics and Information Science Department of Warsaw University of Technology, via Zoom
May 2023	“Computing Barnes double gamma function”, Southern Ontario Numerical Analysis Day (SONAD), University of Waterloo, Canada
April 2023	“Double gamma function and its applications in probability (and beyond)”, Taft Research Seminar on Probability, University of Cincinnati, USA
April 2022	“Kendall’s identity and its applications”, International Conference in Probability and Statistics in Celebration of the 80th Birthday of Gerard Letac and in Commemoration of Helene Massam, Fields Institute, Toronto
June 2021	“On ordered beta distributions and their applications”, online Zoom presentation at the CMS Summer Meeting
June 2020	“Levy processes and Special Functions”, online Zoom seminar “Complex Approximations, Orthogonal Polynomials and Applications”

Colloquium lectures

March 9, 2017	“The hitchhiker’s guide to Lévy processes”, Department of Mathematical Sciences, University of Cincinnati, USA
April 28, 2015	“The hitchhiker’s guide to Lévy processes”, Department of Mathematics, University of Illinois at Urbana-Champaign, USA
February 5, 2015	“From Lévy processes to Number Theory and beyond”, Department of Mathematics, Ryerson University, Toronto

Editorial work

2026 - present	Associate editor of the Ramanujan Journal
2016 - 2020	Associate editor of the Journal of Applied Probability
2016 - 2020	Associate editor of Advances in Applied Probability
2012 - 2017	Associate editor of Stochastics (An International Journal of Probability and Stochastic Processes)

External professional activities

Two lectures “Computing the Wiener-Hopf factors for Lévy processes” at the Summer School on Wiener-Hopf technique, its generalisations and applications, August 5-9, 2019

Isaac Newton Institute for Mathematical Sciences, Cambridge, UK

A course of lectures “Complex analytical methods in the theory of Lévy processes” at the Summer School on Lévy processes, July 18-22, 2016

Université de Lille 1, France

Reviewing papers for: Annals of Probability, Probability Theory and Related Fields, Annals of Applied Probability, Electronic Journal of Probability, Journal of Applied Probability, Journal of Theoretical Probability, Stochastic Processes and their Applications, Operations Research Letters, SIAM Journal of Financial Mathematics, Mathematical Finance, Quantitative Finance, International Journal of Theoretical and Applied Finance, IMA Journal of Management Mathematics, Journal of Computational and Applied Mathematics, IMA Journal of Numerical Analysis, Scandinavian Actuarial Journal, Proceedings of the American Mathematical Society, Inverse Problems, Abstract and Applied Analysis

International research invitations:

University of Bath, July 2010 and June 2013, visiting Andreas Kyprianou

University of Auckland, December 2013-January 2014, visiting Mark Holmes

Cornell University, March 2014, visiting Pierre Patie

Conferences/workshops organised

Co-organizer of a session “Special functions and their applications” at the 2019 Winter Meeting of the Canadian Mathematical Society, December 7-9, 2019

Co-organizer of the “Pre-World Congress Meeting of New Researchers in Statistics and Probability” at Fields Institute, July 8-9, 2016

Co-organizer of the workshop “Stable processes” at The Casa Mathematica Oaxaca, Mexico, November 6-11, 2016

Service

2026-present	Appeals and Academic Honesty Committee, Faculty of Graduate Studies
2026	Member of the File Preparation Committee (Pure Math)
2025	Applied Math Adjudicating Committee
2025	Pure Math Adjudicating Committee
2025	Member of the File Preparation Committee (Applied Math)
2024-present	Executive Committee
2024-present	Postdoc committee
2023-present	Computing Facilities Committee (Chair)

2023-present	Tenure and Promotion Adjudicating Committee (Pure Math)
2022-present	Curriculum Committee (Actuarial Science)
2021-present	MA Admissions Committee (Chair)
2021-2025	Member of the AARMS (Atlantic Association for Research in Mathematical Sciences) Scientific Review Panel
2022-2023	Hiring Committee (Actuarial Science)
2021-2023	Appeals and Academic Honesty Committee, Faculty of Graduate Studies (Chair in 2022-2023)
2021-2022	PhD Committee
2017-2020	Graduate Program Director (department of Mathematics and Statistics)
2018-2020	Adjudicating Committee (Applied Mathematics Section, department of Mathematics and Statistics)
2017-2018	Chair of the file preparation committee for promotion to Professor (department of Mathematics and Statistics)
2016-2019	Senate Appeals Committee
2016-2017	Chair of the PhD Committee
2014 - 2017	Canadian Mathematical Olympiad Committee (Canadian Mathematical Society)
2014 - 2017	Executive Committee (department of Mathematics and Statistics)
2014 - 2017	Chair of the High School Liaison Committee
2015-2017	YUFA steward
2014 - 2016	FGS Petitions Committee
2014 - 2016	PhD Committee
2014-2015	50th Anniversary Committee
2014	Curriculum Committee (Applied Mathematics Section, department of Mathematics and Statistics)
2012 - 2013	Chair of the Curriculum Committee (Applied Mathematics Section, department of Mathematics and Statistics)
2011 - 2012	Postdoctoral Committee
2011 - 2013	Adjudicating Committee (Applied Mathematics Section, department of Mathematics and Statistics)
2011 - 2016	Organizer of the Probability Seminar (department of Mathematics and Statistics)
January 2010 - June 2011	organizer of the weekly Mathematical Finance seminar (Fields Institute)
2009 - 2012	Curriculum Committee (Math for Commerce)

2009 - 2012	Curriculum Committee (Applied Mathematics Section, department of Mathematics and Statistics)
2009 - 2011	organizer of the Applied and Industrial Mathematics Seminar
2008 - 2013	Graduate Executive Committee
2008 - 2013	Coordinator of the Graduate Diploma in Financial Engineering program
2008 - 2013	Financial Engineering Coordination Committee
2008 - 2012	PhD Committee

PhD examining committees

2024	Member of the Examining Committee for the PhD defense of Andrew Fleck (Department of Mathematics and Statistics, York University)
2023	Member of the Examining Committee for the PhD defense of Branislav Nikolic (Department of Mathematics and Statistics, York University)
2023	Member of the Examining Committee for the PhD defense of Nawaf Mohammed (Department of Mathematics and Statistics, York University)
2022	Member of the Examining Committee for the PhD defense of John Campbell (Department of Mathematics and Statistics, York University)
2020	Member of the Examining Committee for the PhD defense of Eugene Furman (Schulich School of Business, York University)
2019	External examiner for the PhD defence of Min Wang (Department of Mathematics, Université de Lille, Lille, France)
2019	External examiner for the PhD defence of Jeff Wong (Department of Statistics and Actuarial Science, University of Waterloo, Waterloo, Canada)
2015	Member of the Examining Committee for the PhD defence of Jianxi Su (Department of Mathematics and Statistics, York University)
2015	External examiner for the PhD defence of Shen Shan (Department of Statistical and Actuarial Sciences, Western University, London, Canada)
2015	External examiner for the PhD defence of Chen Yang (Department of Statistical and Actuarial Sciences, Western University, London, Canada)
2014	Chair and Dean's representative for the PhD defence of Haohan Huang (Department of Mathematics and Statistics, York University)
2014	Member of the Examining Committee for the PhD defence of Ikjyot Singh Kohli (Department of Physics and Astronomy, York University)
2014	Chair and Dean's representative for the PhD defence of Oliver Jovanovski (Department of Mathematics and Statistics, York University)
2013	Member of the Examining Committee for the PhD defence of David Rosa (Department of Chemistry, York University)

2010	Member of the Examining Committee for the PhD defence of Shahla Molahajloo (Department of Mathematics and Statistics, York University)
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Teaching (York University)

Undergraduate

MATH 1013 “Applied Calculus I” (I was the course director in the Fall term of 2015)
 MATH 1014 “Applied Calculus II” (I was the course director in the Winter term of 2016)
 MATH 1025 “Applied Linear Algebra” – taught online (I was the course director in the Fall term of 2021)
 MATH 1530 “Introductory Mathematics for Economists I”
 MATH 2015 “Applied Multivariate Vector Calculus”
 MATH 2280 “Mathematical Theory of Interest”
 MATH 3141 “Elementary Number Theory”
 MATH 4000 “Individual Project”
 MATH 4143 “Scientific Computations for Finance Applications”
 MATH 4280 “Risk Theory: Loss Models and Risk Measures”
 MATH 4281 “Risk Theory: Ruin and Credibility”

Graduate

Math 5370 “Financial Mathematics for Teachers”
 MATH 6911 “Numerical Methods in Finance”

Curriculum development (York University)

2017-2018	developed a new course: MATH 3282 “Mathematical Finance”
2017-2018	developed a new (Specialized Honours BA and BSc) Financial Mathematics stream in the Applied Mathematics program
2009	developed a new course: MATH 2281 “Financial Economics”

Supervision (Postdoctoral)

2009-2010	Xianhua Peng (co-supervised with Tom Salisbury), Fields Ontario Postdoctoral Fellow, Ph.D. (Columbia), York University/Fields Institute
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Supervision (Ph.D.)

2025-present	Shahen Alexanian, co-supervised with Ed Furman
2022 - present	Minjian Yuan
2020 - 2026	Armin Mohammadiroojeh, PhD Thesis “Multi-point Pade approximation and its applications in probability theory and finance”, defended in April 2026

2016 - 2023	Justin Miles, Ph.D. Thesis “On Laplace transforms, Generalized Gamma Convolutions and their applications in risk aggregation”, defended in September 2023
2013 - 2017	Fenghao Yang, co-supervised with Tom Salisbury, Ph.D. Thesis “On guaranteed minimum maturity benefits and first-to-default type problems”, defended in November 2017
2011-2015	Daniel Hackmann, Ph.D. Thesis “Analytical methods for Lévy processes with applications to finance” defended in June 2015

Supervision (M.A.)

2024	Noam Tobin, M.A. survey paper
2023	Negin Lavi, M.A. survey paper
2020	Guanfu Qiao, research paper for the Graduate Diploma in Financial Engineering
2019	Kaveh Arabpour, research paper for the Graduate Diploma in Financial Engineering
2017	Hassan Chehaitli, M.A. survey paper
2016	Snezhana Kirusheva, research paper for the Graduate Diploma in Financial Engineering
2012	Denis Kourktchan, research paper for the Graduate Diploma in Financial Engineering
2012	Branislav Nikolic, research paper for the Graduate Diploma in Financial Engineering
2011	Wei Huang, research paper for the Graduate Diploma in Financial Engineering
2010-2011	Daniel Hackmann, M.A. thesis “The optimal dividend problem for two families of meromorphic Lévy processes” defended in August 2011
2010	Kaijie Cui, survey paper
2010	Yang Liao, research paper for the Graduate Diploma in Financial Engineering

Supervision (Undergraduate)

2026	Linh Vo, MATH 4000 (individual research project)
2023	Noam Tobin, NSERC Undergraduate Student Research Award
2020	Ravi Mudaliar, MATH 4000 (individual research project)
2020	Nazanin Ghelichi, NSERC Undergraduate Student Research Award
2015	Syed Asghar, Research Assistant (Undergraduate)
2014	Sandeep Saju, NSERC Undergraduate Student Research Award
2013	Iain Page, NSERC Undergraduate Student Research Award

2009

Anton Tenyakov, NSERC Undergraduate Student Research Award

Toronto, ON, September 8, 2026