$\label{eq:current} \begin{array}{c} \textbf{CURRICULUM VITAE}^1 \\ \textbf{Prof. Thomas S. Salisbury} \end{array}$

CONTACT INFORMATION:

Department of Mathematics and Statistics, Faculty of Science, York University N520 Ross building, 4700 Keele Street Toronto, Ontario, Canada M3J 1P3

Telephone: (416) 736-2100, ext 33921; FAX: (416) 736-5757 e-mail: salt@yorku.ca; office: N536 Ross; webpage: www.math.yorku.ca/~salt

EDUCATION:

Ph.D. in Mathematics – 1983, University of British Columbia B.Sc. in Mathematics – 1979, McGill University

RESEARCH INTERESTS:

Brownian motion, conditioning, superprocesses, Random walks in random environments, Markov processes, excursions, Martin boundaries, actuarial and mathematical finance, variable annuities

EMPLOYMENT:

York University: Full Professor (since 1994), Assoc. Prof. (1988–1993), Assist. Prof. (1985–1988) Purdue University: Research Assistant Professor (1983–1985)

Visiting positions: Fields Institute (1997–1999, Winter 2010), Institut Henri Poincaré (Fall 2009), Université de Paris Sud (Fall 2009), Univ. of Auckland (Statistics Dept., Winter 2009 & 2014), MSRI (Winter 1998), University of Edinburgh (Fall 1991),

University of California San Diego (1987–1988), Stanford University (Summer 1986)

HONOURS & SELECTED ACTIVITIES

Mathematics:

- President, Canadian Mathematical Society (2006–2008)
- Deputy Director, Fields Institute (2003–2006)
- Chair, York Department of Mathematics & Statistics (2000-2003)
- Member, NSERC evaluation group, Mathematics & Statistics (2012, 2013, 2015)
- Fellow, Institute of Mathematical Statistics (since 2003)
- Fellow, Fields Institute (since 2002)

Education:

- Member, Curriculum Council, Ontario Ministry of Education (2007–2009)
- Chair, Minister's task force on senior high school mathematics (2006)
- Co-chair, Fields Institute Mathematics Education Forum (2003-2006)
- Board of directors, International Mathematical Olympiad Corporation (1995–1996)

Finance/Insurance:

- Chief Probabilist & Director of Analytics, Quantitative Wealth Management Analytics (QWeMA) Group, 2005–2013
- Project leader, MITACS/Mprime finsurance project (2008–2012)
- Instructor, PRM exam preparation course, PRMIA/Fields Institute (2008, 2010, 2011)

¹September 11, 2014

- Instructor, Financial Engineering Diploma program, York University (since 1999)
- Instructor, QWeMA retirement risk analytics course, Fields Institute (2009, 2010)
- Principal organizer, Fields Institute seminar on quantitative finance (2003–2006)

EDITORIAL

Canadian Mathematical Bulletin: Editor-in-Chief (with S. O. Kochman) (1990–1995) Probability Theory and Related Fields: Editorial Board (1994–2000) Fields Institute Communications & Monographs: Editorial Board (since 2003) Potential Analysis: Editorial Board (2000–2005) Canadian Journal of Statistics: Editorial Board (1992–1994)

CONFERENCES & PROGRAMS ORGANIZED

Mathematics:

- IMS/Bernoulli Society World Congress of Probability and Statistics, July 2016 (Fields Institute, Toronto). Chair, local organizing committee
- SSC annual meeting, Toronto, May 2014. Session on Spatial Stochastic Processes
- CMS Winter meeting, Toronto, December 2011. Session on Probability (with J. Quastel)
- Seminar on Stochastic Processes Principal Organizer
 - Fields Institute, March 15–17, 2007
 - Fields Institute, March 18–20, 1999
- Seminar on Stochastic Processes Scientific program committee, Archivist
 - Univ. of Delaware, April 1-4, 2015
 - Univ. of California, San Diego, March 26-29, 2014
 - Duke Univ., Durham NC, March 14-16, 2013
 - Univ. of Kansas, Lawrence, March 22-24, 2012
 - Univ. of California, Irvine, March 24-26, 2011
 - Univ. of Central Florida, March 11-13, 2010
 - Stanford University, March 26-28, 2009
 - University of Delaware, April 3–5, 2008
 - Princeton University, March 23-25, 2006
 - University of British Columbia, May 20-22, 2004
 - University of Washington, March 27–29, 2003
 - Princeton University, March 21–23, 2002
 - University of Florida, March 8-10, 2001
- 1st CMS-SMM joint meeting, Guanajuato Mexico, Sept 21-23, 2006: Session on Probability
- Symposium on the creative & scientific legacies of Iannis Xenakis, June 8–10, 2006 (principal organizer Jim Harley)
- SSC meeting, May 26-29, 2002, Hamilton: Session on Probability.
- Annual meeting of Canadian Mathematics Department Chairs
 - Fields Institute (2002). Organizer (with H. Gaskill, R. Erdahl)
 - University of Ottawa (2001). Organizer (with G. Bluman, H. Gaskill)
- CMS Winter meeting, December 2001, Toronto Meeting Director
- AMS meeting, September 23-24, 2000, Toronto: Session on Probability (with N. Madras, G. OBrien, D. Salopek)
- Workshop on Num. Methods & Stochastics, Fields Inst, Apr 19–23, 1999 (with T. Lyons)
- Fields Institute thematic programme on *Probability and its Applications*, Fields Institute, August 1998 June 1999: Principal Organizer (with D. Dawson, N. Madras, G. Slade)
- SSC-IMS joint meeting, Montreal, July 9-13, 1995: Session on Probability and Analysis

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- 21st Bernoulli Society Conference on Stochastic Processes and their Applications, York University June 14–19, 1992 (with G. OBrien, N. Madras, D. Tanny)
- York/McMaster Probability Day, York Univ.: 7th (1996), 5th (1994), 3rd (1992), 1st (1990)
- 84th Ontario Mathematics Meeting, York University (1989): Special Session on Probability

Finance/Insurance:

- 1st North American meeting on Industrial and Applied Mathematics, Oaxaca Mexico, Dec. 8–10, 2010. Organizer, session on *Financial mathematics and economy* (with K. Giesecke & B. Rumbos).
- Fields Institute Industrial–Academic forum on Financial engineering and insurance mathematics, Fields Institute, June 21, 2010.
- MITACS Economic Summit on Systemic Risk, Toronto, April 27–29, 2009: Organizer, session on Risk control in the insurance industry
- IFID/MITACS Conference on financial engineering for actuarial mathematics, Fields Institute, Nov 9–10, 2008 (with H. Huang, M.A. Milevsky, D. Promislow, K. Moore, S. Jaimungal)
- 2nd Canada-France Math. Congress, Montreal, June 1–5, 2008: Session on Financial Math.
- MITACS-MCME Workshop on Risk Analysis, York University, Dec. 11, 2007
- CMS Summer meeting, Waterloo, June 4–6, 2005: Session on Math. of actuarial finance
- Symposium on Numerical Stochastics in Finance, Fields Inst., April 19, 1999 (with T. Lyons)

Education:

- Canadian Mathematics Education Forum, Fields Institute, May 6–8, 2005: local organizer
- Canadian School Mathematics Forum, UQAM, May 16–18, 2003: Working group on Mathematics Teacher Training, Algebra, and Teacher Shortages
- CMS Winter Mathematics Training Camp, York University: local organizer (2001–2003)
- 1995 International Mathematical Olympiad, York University (1995): local org. committee

STUDENTS & POSTDOCTORAL FELLOWS

Postdoctoral Supervision:

- Alexander Chigodaev, 2013–2014 [PDF, NRU Higher School of Economics, Moscow]
- Xianhua Peng (co-supervised with A. Kuznetsov), Fields-Ontario PDF, 2009/10 [Hong Kong Univ. of Sci & Tech.]
- Deniz Sezer (co-supervised with N. Madras), 2005/08. [Univ. of Calgary]
- Min Kang (co-supervised with N. Madras & G. O'Brien), 1998/99. [N. Carolina State Univ.]
- Stas Volkov (co-supervised with N. Madras & G. O'Brien), 1998/99. [Univ.of Bristol]
- Rami Atar (co-supervised with N. Madras & G. O'Brien), 1998/99. [Technion]
- John Verzani, 1995/96. [CUNY, Staten Island]

PhD Supervision:

- Yang Fenghao (since 2013, co-supervised with A. Kuznetsov)
- Mark Beider (since 2010)
- Yun Qiao (2006–2012): Pricing and hedging of guaranteed lifetime withdrawal benefits. MITACS accelerate Internship at RBC, Dec 2011 - March 2012. [Razor Risk]
- Michael Moras (2004–2008): Conditioned super Brownian motion in Denjoy domains and strips. [Lecturer, Univ. of Toronto]
- Yumin Wang (2002–2008): Mathematical finance related to insurance contracts Quantile hedging and efficient hedging for guaranteed minimum death benefits. [Lecturer, Univ. of Southern Illinois]

Masters Supervision:

- Survey Papers
 - Nancy Temraz-Pakeman (2013-2014): The willow tree pricing algorithm
 - Mohamed Abdelghani (2007–2008): Introduction to filtering theory with applications to finance
- Financial Engineering research projects
 - Xian Zhang (2011): Volatility of portfolios incorporating mortality linked securities
 - Jessica Tsang Kwai Kew (2010): Asset allocation and efficient frontiers for mortalitylinked securities
 - Francois Ouegnin (2008): Linear bi-level programming and optimal allocation problem
 - Yun Qiao (2006): Indifference pricing for GMWBs
 - Gul Oye Ege (2003–2004): Liquidity premia
 - Romana Danicic (2002–2003): Calculating the Liquidity Premium for Fixed Annuities When Interest Rate Follows a Stochastic Process
 - Yumin Wang (2001–2002): Quantile hedging for Bermudan Options
 - Asrat Gashaw (2001–2002): Credit Risk methodologies
 - Shannon Kennedy (2001–2002): Liquidity premiums for variable annuities

NSERC undergraduate summer research projects:

- Jenny Du (2004): Hedge fund modelling
- Ana Duff (1994): Best constants in capacitary inequalities for Markov chain pairs: numerical analysis via simulated annealing

MEDIA

- In: "Research mathematicians gather to examine retirement issues and pensions", by Dave MacLean, Telegraph Journal, Saint John NB, June 1, 2009
- In: "Lady Luck smiles on too many in 6-49 draw as 239 2nd prize tickets cut payout", by Michelle Mcquigge, The Canadian Press, March 20, 2008
- The Nature of Things, CBC TV: Everyday Einstein (segment on Brownian motion) D. Zuckerbrot producer, June 18, 2006
- OMNI TV: profile of the Fields Institute (segment on math & music) 2005
- IMO Press Conferences July 1995
- Metro Morning, CBC Radio, Toronto (IMO segment), July 20, 1995

INVITED OR REFEREED CONFERENCE PRESENTATIONS

Finance/Insurance:

- CAIMS Annual meeting, Saskatoon, Jun. 22-26, 2014. Finsurance session: Optimal initiation for variable annuities
- SSC Annual meeting, Toronto, May 25-28, 2014. Session on Actuarial Finance: *Optimal tontines*
- IFID conference, Fields Institute, Toronto, Nov. 22, 2012: Optimizing variable annuity income
- 3C Risk Forum, Fields Institute, Toronto, Oct. 28-30, 2011: Planning for retirement: sustainability vs. legacy
- 1st North American meeting on Industrial and Applied Mathematics (NAMIAM), Oaxaca Mexico, Dec. 10, 2010. Session on Financial Mathematics and Economy. Optimal utilization of variable annuity guarantees.
- Insurance: Mathematics and Economics, Toronto, June 18, 2010. Optimal utilization of variable annuity guarantees: To add, subtract, or multiply?

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- AFIR Colloquium (International Actuarial Association Financial Risks Section), Munich, Sept. 9-11, 2009. Session on Pensions – managing accumulations and decumulations Valuation, hedging and demand for ruin-contingent life annuities (RCLA)
- MITACS Annual meeting, Plenary speaker, Fredericton, June 3, 2009: Insurance and Modern Finance
- Mindpath Conference, 3rd Investment Strategies Symposium, Toronto, Oct 20, 2008: The Retirement Income Time-Bomb – Risks & Challenges
- Manulife Investments, Best Practices Symposium III, Quebec City (Oct 30, 2006), Montreal (Nov 1, 2006): Pour traverser la zone à risque pour la retraite, il faut plus que la répartition de lactif
- SIAM Conference on Financial Mathematics & Engineering, Boston, July 9–12, 2006. Session on Mathematics of Insurance: Pricing and hedging of Guaranteed Minimum Withdrawal Benefits
- Fields Institute, Quantitative Finance seminar, Oct. 25, 2006: GMWBs
- Sociedad Matemática Mexicana Meeting, Mexico City, Oct. 24, 2005. CMS-SMM session: Options, Hedging, and Actuarial Finance
- Canadian Institute of Actuaries, 2003 Investment Symposium, Toronto, Nov. 9-11, 2003: Capital Markets Hedging for Insurance Products (co-presenter M.A. Milevsky)
- Annual Winter Meeting of the Canadian Mathematical Society, Ottawa, 2002. Special Session on Financial Mathematics: Liquidity premiums for variable annuities
- Fields Institute workshop on Options in Financial Products: Approaches to Valuation, Toronto, December 2001: The Real Option to Lapse a Variable Annuity: Can Surrender Charges Complete The Market? (co-presenter with M.A. Milevsky)
- Summer Meeting of the Canadian Mathematical Society (MATH 2000), Hamilton, 2000. Session on Financial Mathematics: Knockout Baskets and Survivorship Bias

Mathematics:

- New Zealand probability workshop, Te Anau NZ, Jan. 6–10, 2014: Random walks and degenerate random environments
- International symposium on asymptotic methods in stochastics, Ottawa, July 3-6, 2012. Random walk in degenerate random environment
- New Zealand Probability Workshop, Auckland, Jan 23–24, 2012. Random walk in degenerate random environment
- 2012 NZMRI/NZIMA Summer Workshop: Random media and random walks. Nelson, New Zealand, Jan 8-13, 2012. Superprocesses and Branching random walks
- Symposium in honour of Donald A. Dawson's work, on the occasion of his 70th birthday, Carleton, June 5–8, 2007. Conditioned super-Brownian motion
- 1st CMS-SMM joint meeting, Guanajuato Mexico, Sept 21–23, 2006. Session on Probability
- CMS Winter meeting, Victoria, Dec 10-12, 2005. Session on probability:
- Singular stochastic integral equations
 Banff International Research Station, Banff, Sep 27–Oct 2, 2003. Conference on stochastic partial differential equations:
- Mathematisches Forschungsinstitut Oberwolfach, Conference on Branching Processes, Oberwolfach Germany, July 6–12, 2003. Conditioned super-Brownian motion
- 4th Annual meeting of Canadian Mathematics Department Chairs, Toronto 2002. The Department of Mathematics and Statistics at York University
- Probability Conference in honour of David Blackwell and Lester Dubins, Berkeley, 2002, The complement of the planar Brownian path

- 3rd World Congress of Nonlinear Analysts, Catania, Sicily 2000. Session on Aspects of Stochastic Calculus: Conditioned Super-Brownian Motion
- First China-Canada Congress of Mathematical Sciences, Beijing 1999. Special Session on Probability Theory: Conditioned Super-Brownian Motion
- Annual Winter Meeting of the Canadian Mathematical Society, Kingston 1998 Special Session on Probability: The Complement of the Planar Brownian Path
- International Conference on Stochastic Models, Ottawa 1998: On the Conditioned Exit Measures of Super Brownian Motion
- 924th Meeting of the American Mathematical Society, Montreal 1997. Session on Potential Theory: Minimal Parabolic Functions
- 3rd World Congress of the Bernoulli Society, Chapel Hill 1994. Session on Brownian Motion and Analysis: Brownian Spirals. Directions in Probability Workshop: Heat Kernel Estimates and Extremal Problems arising in studying Brownian Motion and Conditional Brownian Motion (for R. Banuelos)
- Annual Winter Meeting of the Canadian Mathematical Society, Montreal 1992. Session on Stochastic Analysis: Spiralling Brownian Motions. Session on Potential Theory: Parabolic Martin Boundaries
- Mathematisches Forschungsinstitut Oberwolfach, Conference on Stochastic Analysis, Oberwolfach Germany, 1992: Parabolic Martin Boundaries
- Mathematical Sciences Institute, Workshop on Stochastic Analysis, Ithaca 1992: Conditioned Brownian Motion
- 19th Conference on Stochastic Processes and their Applications, Haifa Israel 1991. Plenary Lecture: Conditioned Brownian Motion
- Annual Meeting of the Statistical Society of Canada, Ottawa 1989; Session on Stochastic Processes: Path Intersections
- Mathematical Sciences Institute, Workshop on Markov Processes in Functional Spaces, Ithaca 1989: The Maximum Principal for Bi Brownian Motion
- Rochester Syracuse Probability Day, Rochester 1989: Path Intersections and Non Intersections
- Seminar on Stochastic Processes 1988, Gainesville Florida 1988: Capacity for Multiparameter Markov Processes
- Annual Winter Meeting of the Canadian Mathematical Society, Vancouver 1987. Special Session on Probability: Capacity and Potential Theory for Several Markov Processes
- 838th Meeting of the American Mathematical Society, Los Angeles 1987. Session on Stochastic Processes: Pathologies of Conditioned Brownian Motion
- 201st Meeting of the Institute of Mathematical Statistics, San Francisco 1987. Session on Markov Processes: Conditioning a Pair of Markov Processes
- Annual Winter Meeting of the Canadian Mathematical Society, Ottawa 1986. Special Session on Probability: Connecting Brownian Paths
- AMS IMS SIAM Joint Summer Research Conference in the Mathematical Sciences, on Time Reversal of Markov Processes and Potential Theory, Santa Cruz 1986: Connecting Brownian Paths
- Pacific Northwest Probability Meeting, Vancouver 1985: An Increasing Diffusion
- 817th meeting of the American Mathematical Society, Chicago 1985: Session on Stochastic Analysis and Related Topics. An Increasing Diffusion

Discussant:

• IFID Conference: Models for lifecycle finance, Insurance and Economics. Discussant for T. Kobayashi, Human capital and asset allocation, Fields Institute, October 8, 2010.

• IFID Conference on personal risk management. Discussant for K. Moore Optimal asset allocation and ruin-minimization annuitization strategies: the fixed consumption case, Fields Institute, April 28, 2004

COLLOQUIUM LECTURES

- University of New South Wales, Dept. of Statistics, Apr. 28, 2014
- University of Queensland, Mar. 17, 2014
- Ohio State University, Dec 1, 2011
- Ryerson University, Nov. 17, 2011
- University of Auckland, Dept. of Statistics, 2009
- Trent University, 2007
- University of Windsor, 2006
- McMaster University, 2004
- University of Waterloo, Dept. of Mathematics, 2000
- MSRI/University of California Berkeley Math Dept. "Evans Lecture", 1998
- Université Laval, 1995
- University of California Berkeley, Statistics Dept., 1994
- University of Guelph, 1993
- University of Western Ontario, Dept. of Mathematics, 1992
- University College Swansea, Dept. of Mathematics, Wales 1991
- University of Waterloo, Dept. of Statistics, 1991
- University of British Columbia, Dept. of Mathematics, 1989
- University of Toronto, Dept. of Statistics, 1987
- University of Rochester, Dept. of Mathematics, 1985
- University of Oregon, Dept. of Mathematics, 1985
- York University, Dept. of Mathematics, 1985
- The Ohio State University, Dept. of Mathematics, 1985

GRANTS

Current funding:

NSERC research grant (2010–2016) Super Brownian motion, conditioning, finance. 6 year grant: \$30,000 per year, Bin F (OVV)

PUBLICATIONS

Books edited

 Numerical Methods and Stochastics (with T.J. Lyons). Proceedings of a workshop held April 20–23, 1999. Fields Institute Communications 34, AMS, Providence RI (2004)

Finance/Insurance papers

- (2) Hedging Guaranteed Lifetime Withdrawal Benefits with Stochastic Lapsation (with Y. Qiao). In preparation (2013)
- (3) How long does the market think you will live? Implying longevity from annuity prices (with A. Chigodaev and M.A. Milevsky). Submitted (2014)
- (4) Optimal Retirement Income Tontines (with M.A. Milevsky). Submitted (2014)
- (5) Optimal Retirement Tontines for the 21st Century: With Reference to Mortality Derivatives in 1693 (with M.A. Milevsky). Refereed conference proceeding, to appear in Proceedings of the *Living to 100 Symposium*, Society of Actuaries, Orlando FL (2014)

- (6) Optimal initiation of a GLWB in a variable annuity: no arbitrage approach (with H. Huang and M.A. Milevsky). Insurance: Mathematics and Economics 56 (2014), pp. 102-111. [Working paper version ranked 15th on *Retirement Income Journal's list of "The best retirement research of 2012".*]
- (7) Valuation and Hedging of the Ruin-Contingent Life Annuity (RCLA) (with H. Huang & M.A. Milevsky). Journal of Risk and Insurance 81 (2014), pp. 367–395
- (8) Optimal Retirement Consumption with a Stochastic Force of Mortality (with H. Huang & M.A. Milevsky). Insurance: Mathematics and Economics 51 (2012), pp. 282–291
- (9) A Different Perspective on Retirement Income Sustainability: The Blueprint for a Ruin Contingent Life Annuity (RCLA). With H. Huang & M.A. Milevsky. J. of Wealth Management 11 (2009), pp. 89–97
- (10) Financial valuation of guaranteed minimum withdrawal benefits (with M.A. Milevsky). Insurance: Mathematics and Economics 38 (2006), pp. 21–38
- (11) Probabilistic investing: or how to win the Globe and Mails Stock Picking Contest (50% of the time). With M.A. Milevsky, Financial Services Review 14 (2005), pp. 197–211
- (12) Asset Allocation and the Liquidity Premium for Illiquid Annuities (with S. Browne and M.A. Milevsky). Journal of Risk and Insurance 70 (2003), pp. 509–526
- (13) The Real Option to lapse a variable annuity: can surrender charges complete the market? (with M.A. Milevsky). Proc. XIth AFIR Colloquium 2, Can. Inst. of Actuaries (2001), pp. 537–561

Mathematics papers

- (14) Pathwise uniqueness for catalytic stochastic partial differential equations (with L. Mytnik). In preparation (2013)
- (15) Diameters of complementary domains for planar Brownian motion (with S. Nacu & Y. Peres). In preparation (2013)
- (16) Forward clusters for degenerate random environments (with M. Holmes). Submitted (2013)
- (17) Blowup and conditionings of ψ -super-Brownian exit measures (with S. Athreya). Submitted (2012)
- (18) Moment densities of super-Brownian motion, and a Harnack estimate for a class of X-harmonic functions (with A.D. Sezer). To appear, Potential Analysis (2014)
- (19) Random walks in degenerate random environments (with M. Holmes). To appear, Canadian Journal of Mathematics (2013).
 Unpublished appendix: "Speed calculations for random walks in degenerate random environments", arXiv:1304.7520 (2013).
- (20) Degenerate random environments (with M. Holmes). Random Structures and Algorithms **45** (2013), pp. 111–137
- (21) Conditioning super-Brownian motion on its boundary statistics, and fragmentation. (with A.D. Sezer). Annals of Probability 41, No. 5 (2013), pp. 3617–3657
- (22) Non-Existence of stabilizing policies for the critical push-pull network and generalizations (with Y. Nazarathy & L. Rojas-Nandayapa). Operations Research Letters 41 (2013), pp. 265–270
- (23) A combinatorial result with applications to self-interacting random walks (with M. Holmes). Journal of Combinatorial Theory A 19 No. 2 (2012), pp. 460–475
- (24) Non-degenerate conditionings of the exit measure of super Brownian motion (with J. Verzani). Stochastic Processes and their Applications 87 (2000), pp. 25–52
- (25) On the conditioned exit measures of super Brownian motion (with J. Verzani). Probability Theory and Related Fields 115 (1999), pp. 237–285

- (26) On minimal parabolic functions and time-homogeneous parabolic *h*-transforms (with K. Burdzy). Transactions of the AMS **351** (1999), pp. 3499–3531
- (27) Hausdorff Capacity and Lebesgue Measure (with J. Steprans). Real Analysis Exchange 22 (1996/97), pp. 265–278
- (28) Energy, and Intersections of Markov Chains. In Random Discrete Structures (Aldous, Pemantle editors), IMA volumes in mathematics and its applications 76 (1996), pp. 213-225
- (29) Martin Boundaries of Sectorial Domains (with M.C. Cranston). Arkiv för Matematik 31 (1993), pp. 27–49
- (30) 2D Brownian Motion in a System of Traps: Application of Conformal Transformations (with K. Burdzy and R. Holyst). Journal of Physics A 25 (1992), pp. 2463–2471
- (31) A Low Intensity Maximum Principle for Bi Brownian Motion. Illinois Journal of Mathematics 36 (1992), pp.1–14
- (32) Capacity and Energy for Multiparameter Markov Processes (with P.J. Fitzsimmons). Annales de l'Institut Henri Poincaré 25 (1989), pp.325–350
- (33) Brownian Bitransforms. In Seminar on Stochastic Processes 1987, Birkhauser Boston (1988), pp. 249–263
- (34) Connecting Brownian Paths (with Burgess Davis). Annals of Probability 16 (1988), pp. 1428–1457
- (35) Three Problems from the Theory of Right Processes. Annals of Probability **15** (1987), pp. 263–267
- (36) An Increasing Diffusion. In Seminar on Stochastic Processes 1984, Birkhauser Boston (1986) pp. 173–194
- (37) Construction of Right Processes from Excursions. Probability Theory and Related Fields 73 (1986), pp. 351–367
- (38) On the Itô Excursion Process. Probability Theory and Related Fields **73** (1986), pp. 319–350
- (39) A Martin Boundary in the Plane. Transactions of the American Mathematical Society 293 (1986), pp. 623–642
- Other publications
 - (40) Retirement income planning roundtable (with E. Bederman, D. Conick, R. Norman, D. Richards). Advisors Edge 10 (supplement), April 2007.
 Translated as: La planification du revenu de retraite. Objectif Conseiller 8 (supplement), May 2007
 - (41) Asset Allocation and the Transition to Income: The Importance of Product Allocation in the Retirement Risk Zone (with M.A. Milevsky). IFID Working Paper (2006). Sponsored by Manulife Financial.
 - (42) Report of the Ministers task force on senior high school mathematics (with B. Farahani, A. Ladouceur, M. Lemonde, H. Panju). Ontario Ministry of Education (2006)
 - (43) How to win The Globe and Mail's One-and-Only contest (with M.A. Milevsky). The Globe and Mail, January 6, 2005
 - (44) Review of Multidimensional Brownian Excursions and Potential Theory, by K. Burdzy, Pitman Res. Notes in Math. 164, Longman Sci. and Technical, Essex New York. In Bulletin of the American Mathematical Society 21 (1989), pp. 152 157
 - (45) Review of Potential Theory: an Analytic and Probabilistic Approach to Balayage, by J. Bliedtner and W. Hansen, Universitext series, Springer Verlag Berlin 1986. In Journal of the American Statistical Association 82 (1987), p. 1198
 - (46) Construction of Strong Markov Processes from Excursions, and a Related Martin Boundary, PhD thesis, UBC (1983) – supervisor, John B. Walsh