

Curriculum Vitæ

As of August 12, 2021

Xikui WANG, Ph.D., P.Stat.

University of Manitoba

Professor, Warren Centre for Actuarial Studies & Research

LAH Warren Chair of Actuarial Science

Asper School of Business, University of Manitoba

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Citizenship: Canadian

Education

- Ph.D. (Statistics), 1995: University of Saskatchewan
Advisor: Professor Mikelis G. Bickis (currently Professor Emeritus)
External Examiner: Professor T.A. Louis, Johns Hopkins University
- M.Sc. (Mathematics), 1989: University of Saskatchewan
Advisor: Professor Keith F. Taylor (currently at Dalhousie University)
- B.Sc. (Mathematics), 1984: Central China Normal University

Professional Experience

Academic appointments

2020.7–present: (Full) Professor, Warren Centre for Actuarial Studies and Research, Asper School of Business, University of Manitoba

2020.7–2025.6: LAH Warren Chair of Actuarial Science, Warren Centre for Actuarial Studies and Research, Asper School of Business, University of Manitoba

2008.3–2020.6: (Full) Professor, Department of Statistics, University of Manitoba

2002.1–2008.2: Associate Professor, Department of Statistics, University of Manitoba (tenure granted in 2005)

2000.7–2001.12: Assistant Professor, Department of Statistics, University of Manitoba

1998.5–2000.7: Assistant Professor of Biostatistics, Division of Community Health and Humanities, Faculty of Medicine, Memorial University of Newfoundland, Canada

1999.9–2000.7: Assistant Professor, Department of Mathematics and Statistics, Memorial University of Newfoundland

1995.9–1998.4: Sessional Instructor, Department of Mathematical and Statistical Sciences, University of Alberta, Canada

Administrative appointments

2016.5–2022.6: Associate Dean, Faculty of Graduate Studies, University of Manitoba (Resigned on July 1, 2020 to become Warren Chair of Actuarial Science)

2012.1–2017.6: Head, Department of Statistics, University of Manitoba (Resigned on May 1, 2016 to become Associate Dean)

2017.7–2018.6: Associate Head (Graduate), Department of Statistics, University of Manitoba

2011.7–2011.12: Associate Head (Undergraduate), Department of Statistics, University of Manitoba

2011.1–2011.6: Acting Head, Department of Statistics, University of Manitoba

2009.7–2010.12: Associate Head, Department of Statistics, University of Manitoba

2009.1–2009.6: Acting Head, Department of Statistics, University of Manitoba

2008.7–2008.12: Associate Head, Department of Statistics, University of Manitoba

Other appointments

2017–2020: Affiliate Member, Biomedical Engineering (BME) Graduate Program, University of Manitoba

2013–2020: Distinguished Professor, Faculty of Mathematics, Xiangtan University, P.R. China

2010–2013: Guest Professor, Shanghai University of Finance and Economics, P.R. China

2010–2013: Adjunct Professor, Henan University of Finance and Economics, P.R. China

2010–2016: Adjunct Professor, Warren Centre for Actuarial Studies and Research, University of Manitoba

2009–2013: Adjunct Professor, Central South University, P.R. China

2006–2013: Research Affiliate, Clinical Institute of Applied Research and Education, Victoria General Hospital, Winnipeg, Manitoba

2009–2012: Research Affiliate, Institute of Industrial Mathematical Sciences, University of Manitoba

2006–2009: Adjunct Professor, Faculty of Mathematics, China Three Gorges University, P.R. China

- 2005–2008: Adjunct Professor, Faculty of Mathematics, Central University of Nationality, P.R. China
- 2005–2008: Adjunct Professor, Faculty of Mathematics, Xiangtan University, P.R. China
- 1998–2000: Consultant, Newfoundland Cancer Treatment and Research Foundation, Canada
- 1996–1998: Consultant and Biostatistician, PharmaTEC Global Inc., Canada
- 1984.9–1986.12: Instructor, Department of Mathematics, Hunan Normal University, P.R. China

Research

Research interests

Risk management, mathematical finance, dynamic pricing, Markov decision processes, response adaptive clinical trials (ethics, statistical design and analysis), sequential design of experiments, bandit processes, biostatistics, reinforcement learning

Refereed publications (The underline indicates my graduate students)

52. Han Yu, Yu Zhang and Xikui Wang (2021) Minimization of Ruin Probability with Joint Strategies of Investment and Reinsurance. *Communications in Statistics - Theory and Methods* (resubmitted with invited revisions)
51. Yanqing Yi and Xikui Wang (2021) A Markov decision process for response adaptive designs. *Econometrics and Statistics* (resubmitted with invited revisions)
50. Zahra Moussavi, Lisa Koski, Paul B Fitzgerald, Colleen Millikin, Brian Lithgow, Mohammad Jafari-Jozani, Xikui Wang (2021) Protocol of Interim Analysis for Repeated Transcranial Magnetic Stimulation for improving cognition in Alzheimer's Disease. *Journal of Medical Internet Research Research Protocols (JMIR Research Protocols)* (accepted June 16, 2021)
49. Weijia Zhang, Xikui Wang, Saman Muthukumarana and Po Yang (2021) A continual reassessment method without undue risk of toxicity. *Communications in Statistics - Simulation and Computation* (accepted in January, 2021)
48. Zahra Moussavi, Grant Rutherford, Brian Lithgow, C. Millikin, M. Modirrousta, B. Mansouri, Xikui Wang, Craig Omelan, Lesley K Fellows, Paul B Fitzgerald and Lisa Koski (2021) Repeated transcranial magnetic stimulation for improving cognition in patients with Alzheimer Disease: protocol for a randomized, double-blind, placebo-controlled trial. *Journal of Medical Internet Research Research Protocols (JMIR Research Protocols)* (accepted January 8, 2021)

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47. Weijia Zhang, Xikui Wang and Po Yang (2021) A new design of the continual re-assessment method. *Communications in Statistics - Simulation and Computation* 50: 2015 - 2024.
 46. Zahra Moussavi, Abdelbaset Suleiman, Grant Rutherford, Omid Ranjbar Pooya, Zeinab Dastgheib, Weijia Zhang, Jennifer Salter, Xikui Wang, Behzad Mansouri, Brian Lithgow (2019) A pilot randomised double-blind study of the tolerability and efficacy of repetitive transcranial magnetic stimulation on persistent post-concussion syndrome. *Scientific Reports* 9:5498
 45. Xikui Wang, You Liang and Lysa Porth (2019) A Bayesian two-armed bandit model. *Applied Stochastic Models in Business and Industry* 35: 624 - 636.
 44. Chun Cai and Xikui Wang (2018) Data perturbation analysis of the support vector classifier dual model. *Journal of Software Engineering and Applications* 11: 459-466.
 43. Lauren E. Kelly, Michele P. Dyson, Nancy J. Butcher, Robert Balshaw, Alex J. London, Christine J. Neilson, Anne Junker, Salaheddin M. Mahmud, S. Michelle Driedger, Xikui Wang (2018) Considerations for adaptive design in pediatric clinical trials: study protocol for a systematic review, mixed-methods study and integrated knowledge translation plan. *Trials* 19: 1-9.
 42. Kazushige Kimura, James Reichert, Omid Pouya, Ahmad Byagowi, Xikui Wang, Debbie Kelly and Zahra Moussavi (2018) Simultaneous localization and mapping (SLAM) for route reversal learning. *OBM Geriatrics* 2(3), 10.21926
 41. Kazushige Kimura, James F. Reichert, Ashley Olson, Omid Ranjbar Pouya, Xikui Wang, Zahra Moussavi and Debbie M. Kelly (2017) Orientation in virtual reality does not fully measure up to the real-world. *Scientific Reports* 7:18109
 40. Kangkang Yan, Xuejing Xu, Xiaodong Liu, Xikui Wang, Shucheng Hua, Chunpeng Wang and Xin Liu (2015) The associations between maternal factors during pregnancy and the risk of childhood acute lymphoblastic leukemia: a meta-analysis. *Pediatric Blood & Cancer* 62: 1162-1170.
 39. Yanqing Yi and Xikui Wang (2015) Statistical inference following response adaptive randomization. *Modern Adaptive Randomized Clinical Trials: Statistical, Operational, and Regulatory Aspects* (Ed. O. Sverdlov), Chapman & Hall/CRC Press, Chapter 11.
 38. Xikui Wang (2014). Bandit processes and response adaptive clinical trials: the art of exploration versus exploitation. *Methods and Applications of Statistics in Clinical Trials, Volume 2: Planning, Analysis, and Inferential Methods* (Ed. N. Balakrishnan), Wiley, Chapter 4.
 37. Yi Hua and Xikui Wang (2014). Portfolio selection with a hidden Markov model. *Quality Technology and Quantitative Management* 11: 167-174.
 36. You Liang, Xikui Wang and Yanqing Yi (2013). One-armed bandit processes with a covariate. *Annals of the Institute of Statistical Mathematics* 65: 993-1006.

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35. Xuan Li and Xikui Wang (2013). Response adaptive designs with misclassified responses. *Communications in Statistics - Theory and Methods* 42: 2071-2083.
 34. Xuan Li and Xikui Wang (2012). Variance-penalized response-adaptive randomization with mismeasurement. *Journal of Statistical Planning and Inference* 142: 2128-2135.
 33. Andrea Blanchard, Xikui Wang, Hani El-Gabalawy, Qier Tan and six others (2012). Oral health in a First Nations and anon-Aboriginal population in Manitoba. *International Journal of Circumpolar Health* 71: 17394 - DOI: 10.3402/ijch.v71i0.17394.
 32. David Tolusso and Xikui Wang (2012). Some properties of the randomized play the winner rule. *Journal of Statistical Theory and Applications* 11: 1-8.
 31. Yanqing Yi and Xikui Wang (2011). Comparison of Wald, score, and likelihood ratio tests for response adaptive designs. *Journal of Statistical Theory and Applications* 10: 553-569.
 30. Xikui Wang, Qier Tan and Mikelis G. Bickis (2011). Clinical trials with exponential survival times. *Communications in Statistics - Theory and Methods* 40: 1510-1524.
 29. David Tolusso and Xikui Wang (2011). Interval estimation for response adaptive clinical trials. *Computational Statistics and Data Analysis* 55: 725-730.
 28. Qier Tan, Eric Bohm, Lynda Loucks and Xikui Wang (2010). Lifetime data analysis of waiting time to healthcare in Canada. *Advances and Applications in Statistical Sciences* 2: 89-100.
 27. Xikui Wang and Yan Wang (2010). Optimal investment and consumption with stochastic dividends. *Applied Stochastic Models in Business and Industry* 26: 792-808.
 26. Yanqing Yi and Xikui Wang (2009). Response adaptive designs with a variance-penalized criterion. *Biometrical Journal* 51: 763-773.
 25. Xikui Wang and Yanqing Yi (2009). An optimal investment and consumption model with stochastic returns. *Applied Stochastic Models in Business and Industry* 25: 45-55.
 24. Yanqing Yi and Xikui Wang (2008). Asymptotically efficient estimation in response adaptive trials. *Journal of Statistical Planning and Inference* 138: 2899-2905.
 23. Yanqing Yi, Xikui Wang and Kaiji Liao (2007). Optimal portfolio with nonparametric learning. *Far East Journal of Theoretical Statistics* 23: 119-132.
 22. Xikui Wang (2007). Dynamic pricing with a Poisson bandit model. *Sequential Analysis* 26: 355-365.
 21. Xikui Wang (2007). Stochastic order and bandit processes with survival time responses. *Advances and Applications in Statistics* 7: 245-254.

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20. Alan Lipson, Wendy M. Fallis, Xikui Wang and Yanqing Yi (2007). Are patients with hyperlipidemia undertreated? Study of patients admitted to hospital with coronary events. *Canadian Family Physician* 53: 1502-1507.
 19. Xikui Wang, Jeffrey S. Pai and Kevin J. Shand (2007). A semi-Markov model of disease recurrence in insured dogs. *Applied Stochastic Models in Business and Industry* 23: 429-437.
 18. Yanqing Yi and Xikui Wang (2007). Statistical inference of adaptive designs with binary responses. *Communications in Statistics - Theory and Methods* 36: 1643-1653.
 17. Yanqing Yi and Xikui Wang (2007). Goodness-of-fit test for response adaptive designs. *Statistics and Probability Letters* 77: 1014-1020.
 16. Wendy M. Fallis, Kathy Hamelin, Xikui Wang and Jackie Symonds (2006). A multi-method approach to evaluate chemical dot thermometers for oral temperature measurement. *Journal of Nursing Measurement* 14: 151-162.
 15. Jeffrey S. Pai, Kevin J. Shand and Xikui Wang (2006). Compound Poisson model with covariates: a case study on pet insurance. *North American Actuarial Journal* 10: 219-234.
 14. Wendy M. Fallis, Kathy Hamelin, Jackie Symonds and Xikui Wang (2006). Maternal and newborn outcomes related to maternal warming during cesarean delivery. *Journal of Obstetric, Gynecologic, and Neonatal Nursing* 35: 324-331.
 13. Xikui Wang and Mikelis G. Bickis (2003). One-armed bandit models with continuous and delayed responses. *Mathematical Methods of Operations Research* 58: 209-219.
 12. Jawaid Younus, Ian Simpson, Alison Collins and Xikui Wang (2003). Mind control of menopause. *Women's Health Issues* 13: 74-78.
 11. Xikui Wang (2002). Monotonic approximation of the Gittins index, *Markov Processes and Controlled Markov Chains* (Edited by Zhenting Hou, Jerzy A. Filar, and Anyue Chen), Chapter 22, 363-367.
 10. Xikui Wang (2002). Asymptotic properties of bandit processes with geometric responses. *Statistics and Probability Letters* 60: 211-217.
 9. Xikui Wang (2001). Bandit processes and applications. *Mathematics in Economics* 18: 39-48.
 8. Xikui Wang and Daryl Pullman (2001). Play-the-winner rule and adaptive designs of clinical trials. *International Journal of Mathematics and Mathematical Sciences* 27: 229-236.
 7. Daryl Pullman and Xikui Wang (2001). Adaptive designs, informed consent, and the ethics of research. *Controlled Clinical Trials* 22: 203-210.

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6. Xikui Wang (2001). Convergence rate of conditional expectations. *Scientiae Mathematicae Japonicae (formerly Mathematica Japonica)* 53: 83-87.
 5. Xikui Wang (2000). A bandit process with delayed responses. *Statistics and Probability Letters* 48: 303-307.
 4. Shou-Ching Tang, Nadine Shaheta, Garry Chernenko, Mohmoud Khalifa, and Xikui Wang (1999). Expression of BAG-1 in invasive breast carcinomas. *Journal of Clinical Oncology* 17: 1710-1719.
 3. Xikui Wang (1993). Completeness of the set of sub-sigma-algebras. *International Journal of Mathematics and Mathematical Sciences* 16: 511-514.
 2. Keith F. Taylor and Xikui Wang (1993). A metric space associated with a probability space. *International Journal of Mathematics and Mathematical Sciences* 16: 277-282.
 1. Xikui Wang (1988). A remark on finite horizon Markov decision processes. *Mathematics in Economics* 5: 76-80.

Research in progress - manuscripts submitted or under development

1. Current (collaborative and independent) research programs: risk management, mathematical finance, biostatistics, clinical trials, and bandit problems.
2. Manuscripts currently submitted (The underline indicates my graduate students):
 - (a) Yu Zhang, Han Yu and Xikui Wang (2020) Minimizing the probability of ruin by investment and reinsurance under investment constraints. (Submitted)
 - (b) Darja Barr, Rodney Clifton, Robert Renaud and Xikui Wang (2019) Analyzing the effectiveness of the ALEKS mathematics placement test. (Submitted)
 - (c) Darja Barr, Rodney Clifton, Robert Renaud and Xikui Wang (2019) An analysis of the relationship between high school pre-calculus and university calculus grades. (Submitted)
3. Manuscripts in progress:
 - (a) (with You Liang and Lysa Porth) Dynamic risk and deviation measures for an income process
 - (b) (with Han Yu and Yu Zhang) Control of ruin probability with unknown claim distribution
 - (c) (with Yu Zhang and Han Yu) Reinsurance with unknown claim distribution
 - (d) Risk sensitive partially observable Markov decision processes
 - (e) Bandit processes with regression arms
 - (f) Risk sensitive control of bandit processes with applications to actuaries
 - (g) Variance-penalized response adaptive designs with continuous responses

- (h) Nonparametric Bayesian approach to bandit processes
- (i) Bandit processes with measurement errors
- (j) Adaptive design of clinical trials with measurement errors
- (k) Copulas for statistical design of Phase I/II clinical trials
- (l) Bandit processes with copula dependence arms

Talks and presentations

Invited and plenary talks

34. Xikui Wang, Invited Talk at the session on Tenure and Promotion: Insightful Tips from the Applicants and Reviewers, Statistical Society of Canada annual meeting (Calgary, Canada, May 26 - 29, 2019)
33. Xikui Wang, Bandit models and their applications, Invited Talk at the Workshop in Semi/Nonparametrically Statistical Learning, Southwestern University of Finance and Economics (Chengdu, China, July 9 - 10, 2018)
32. Xikui Wang, Adaptive design of various phases of clinical trials, Keynote Talk at Statistics and Data Science Workshop, Sichuan University (Chengdu, China, July 7 - 8, 2018)
31. Xikui Wang, The effect of dependency on adaptive clinical trials, Invited Talk at 2018 ICSA China Conference with the Focus on Data Science (Qingdao, China, July 2 - 5, 2018)
30. Xikui Wang, Adaptive design of clinical trials, Invited Talk at the 2nd International Conference on Econometrics and Statistics (Hong Kong, China, June 19 - 21, 2018)
29. Xikui Wang, Value at Risk for aggregated and stochastically dependent claims, Invited Talk at the 4th International Workshop on Statistical Modelling of Heavy-Tail Phenomena with Applications (Suzhou, China, June 1 - 4, 2018)
28. Xikui Wang, Recent developments on Bayesian adaptive design of clinical trials, Invited Talk at the ICSA-Canada Chapter Symposium (Vancouver, Canada, August 18 - 20, 2017)
27. Xikui Wang, Response adaptive design of clinical trials, Invited Talk at the International Conference on Ordered Data and their Applications in Reliability and Survival Analysis, in Honour of N. Balakrishnan for his 60th Birthday (Hamilton, Canada, August 7 - 10, 2016)
26. Xikui Wang, Investment and consumption problems, Invited Talk at the 8th International Workshop on Applied probability (Toronto, Canada, June 20 - 23, 2016)
25. Xikui Wang, Dynamic risk measures, Invited Talk at American Mathematical Society Special Session on Mathematical Finance (Fargo, North Dakota, April 16, 2016)

24. Xikui Wang, Dynamic risk measures, Invited Talk at the ICOSA-Canada Chapter Symposium (Calgary, Canada, August 5 - 6, 2015)
23. Xikui Wang, Dynamic risk measures, Invited Talk at the Fifth International Workshop in Sequential Methodologies, Columbia University (New York, USA, June 22 - 24, 2015) - unable to attend and declined.
22. Xikui Wang, Dynamic risk measures, Invited Talk at the Fifth International IMS-FIPS Workshop, Rutgers University (New Brunswick, NJ, USA, June 25 - 27, 2015) - unable to attend and declined.
21. Xikui Wang, Response adaptive designs with possible mismeasurement, Invited Talk at the Third International Symposium on Biostatistics (Chengdu, China, 2014).
20. Xikui Wang, Response adaptive designs with measurement error, Invited Talk at the International Conference on Recent Advances in Experimental Designs (Guangzhou, Guangdong, China, 2013).
19. Xikui Wang, The variance-penalized criteria for response adaptive designs, Invited Talk at the ICOSA-Canada Chapter Symposium (Toronto, Ontario, Canada, 2013).
18. Xikui Wang, Use of Markov decision processes in some finance problems, Invited Talk at the Workshop on Probability and Statistics in Finance (University of California, Berkeley, USA, 2012).
17. Xikui Wang, Response adaptive design of clinical trials, Plenary Talk at 2011 4th International Institute of Applied Statistics Studies (Dalian, China, 2011).
16. Xikui Wang, Modeling the process of sequential information gathering and stochastic control, Invited talk at The Third International Workshop in Sequential Methodologies, (Stanford University, USA, 2011).
15. Xikui Wang, Markov decision processes and dynamic medical decision making, Invited seminar, (Winnipeg Regional Health Authority, Canada, 2011).
14. Xikui Wang, Response adaptive designs of clinical trials - some aspects, Invited Talk at the Atlantic conference on Statistical Modeling of Environmental and Health Data, (Fredericton, Canada, 2010).
13. Xikui Wang, Bandit processes and applications, Invited Colloquium, (DePaul University, USA, 2010)
12. Xikui Wang, Bandit processes and applications, Invited Seminar talk in the Department of Mathematics and Statistics, (McMaster University, Canada, 2009).
11. Xikui Wang, Pricing a product by statistical decision theory, Plenary Talk at 2009 2nd International Institute of Applied Statistics Studies (Qingdao, China, 2009).
10. Xikui Wang, The use of statistical models in dynamic pricing problems, Invited Talk at the Statistical Society of Canada Annual Meeting (Vancouver, Canada, 2009).

9. Xikui Wang, Dynamic pricing under uncertain demands, Invited Talk at the International Conference on Financial Statistics and Financial Econometrics (Chengdu, China, 2008).
8. Xikui Wang, Sequential optimization under uncertainty, Invited Talk at the Canadian Mathematics Society Winter 2007 Meeting (Mathematics of Finance Session) (London, Canada, 2007).
7. Xikui Wang, Bandit processes: models, methods and applications, Invited Seminar talk, Department of Mathematics and Statistics, (University of Winnipeg, Canada, 2007).
6. Xikui Wang, Bandit processes: models, methods and applications, Invited Seminar talk in the Department of Statistical and Actuarial Sciences, (University of Western Ontario, Canada, 2006).
5. Xikui Wang, Bandit problems and applications, Invited seminar in the Department of Statistics and Actuarial Science, (University of Waterloo, Canada, 2005).
4. Xikui Wang, Bandit problems and adaptive clinical trials, Invited Talk at the Workshop on Adaptive Designs, (The Fields Institute, Toronto, Canada, 2003).
3. Xikui Wang, Adaptive designs of clinical trials, Invited Talk at the Statistical Society of Canada Annual Meeting (Biostatistics: Adaptive Clinical Trials) (Regina, Canada, 1999).
2. Xikui Wang, Data-dependent allocations of treatments in sequential clinical trials, Invited Seminar Talk in the Department of Public Health Sciences, (University of Alberta, Canada, 1995).
1. Mikelis G. Bickis and Xikui Wang, Bandit processes and clinical trials, Invited Seminar in the School of Mathematics and Statistics, (Carleton University, Canada, 1991).

Contributed talks, seminars and posters

Many contributed talks, seminars and posters are given since 1998 (either single-authored or co-authored with my students or collaborators)

Clinical trials with PharmaTEC Global Inc. in Edmonton (1996 - 1998)

1. Clinical protocol for a multicentre, double-blind, randomized, parallel group, endoscopic study comparing the upper gastrointestinal effect of Arthrotec 75 Bid and Arthrotec 50 Bid taken for 26 weeks in patients with osteoarthritis of knee or hip. Original protocol number IN2-97-02-361 (Revision 2). Searle Canada Inc. (July 1998)
2. Switching psychotic patients to Olanzapine: an open-label naturalistic pilot study. Eli Lilly and Company (January 1998).

3. Schizophrenia statistical analysis. Zeneca Pharma Inc. (December 1997).
4. A phase IIIb long term safety study of SEROQUEL in schizophrenia patients: Canadian multicentre, open-label, six month prospective study of oral administration of SEROQUEL. Zeneca Pharma Inc. (October 1997).
5. Phase III clinical trial for evaluating economic efficacy of Seroquel and Neuroleptics for schizophrenia. Zeneca Pharma Inc. (September 1996).

Research grants

- 2018–2023:** Xikui Wang (Principal Applicant), "Models and methods of statistical dependence with applications in clinical trials and risk management", Natural Sciences and Engineering Research Council (NSERC) \$90,000
- 2016–2021:** Zahra Kazem-Moussavi (Principal Applicant), Colleen Millikin, Lisa Koski, Lesley Fellows, Paul Fitzgerald, Mandana Modirrousta, Xikui Wang, Behzad Mansouri (co-applicants), "Investigating the efficacy of highfrequency rTMS treatment for Alzheimer's disease", Weston Brain Institute Early Phase Clinical trials 2014 (Neurodegenerative Diseases of Aging), \$ 1,737,960
- 2016–2017:** Xikui Wang (Principal Applicant, co-applicant: Lysa Porth), "Risk management for agricultural insurance", University (of Manitoba) Collaborative Research Program (UCRP) \$24,200
- 2016–2016:** Xikui Wang (Principal Applicant, co-applicant: Lysa Porth), "Statistical methods for risk management and agricultural insurance", University of Manitoba, Faculty of Science Interdisciplinary/New Direction Research Collaboration Initiation Grant \$10,000
- 2015–2017:** Zahra Kazem-Moussavi (Internship supervisor), Brian Lithgow, Behzad Mansouri, Xikui Wang (co-supervisors), "Treatment and Recovery Monitoring of Post Traumatic Brain Injury (TBI) Symptoms", Mitacs-Accelerate Graduate Research Internship Program, \$ 240,000
- 2013–2018:** Xikui Wang (Principal Applicant), "Optimal statistical exploration and exploitation: theory, methods and applications", Natural Sciences and Engineering Research Council (NSERC) \$55,000
- 2008–2013:** Xikui Wang (Principal Applicant), "Statistical design and analysis of response adaptive clinical trials", NSERC \$70,000
- 2007–2010:** Charles N. Bernstein (Principal Applicant), Hani S. El-Gabalawy, Brenda D. Elias, Mark S. Silverberg and Xikui Wang (Co-applicants), "Comparing rheumatoid arthritis and inflammatory bowel disease by serology, gene studies and ethnicity: Using commonalities and differences to develop etiologic hypotheses", CIHR \$969,315
- 2007–2009:** Teresa Longobardi (Principal Applicant), Charles Bernstein, Julia Uhanova and Xikui Wang (Co-applicants), "Lifetime cost of inflammatory bowel disease", CIHR \$60,000

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- 2004–2006:** Xikui Wang (Principal Applicant), "Statistical evaluation of health care outcomes from response adaptive clinical trials", Health Sciences Centre Foundation (Winnipeg, Manitoba) \$25,000
- 2003–2008:** Xikui Wang (Principal Applicant), "Bandit problems and adaptive clinical trials", NSERC \$62,500
- 2003–2004:** Wendy Fallis (Principal Applicant), Xikui Wang and Others (Co-applicants), "A randomized control trial to evaluate maternal and newborn outcomes related to maternal warming (active versus passive) prior to and during Cesarean section", Health Sciences Centre Foundation (Winnipeg, Manitoba) \$16,800.95
- 2002–2003:** Xikui Wang (Principal Applicant), "Ethical and methodological issues of adaptive clinical trials", University (of Manitoba) Research Grants Program \$6250
- 2001–2002:** Xikui Wang (Principal Applicant), Start-up Fund for New Faculty, Faculty of Science, University of Manitoba \$15,000
- 1999–2003:** Xikui Wang (Principal Applicant), "Bandit processes with delayed responses", NSERC \$46,200
- 1999–2000:** Xikui Wang (Principal Applicant), "Modified adaptive designs of clinical trials: a pilot study", Faculty of Medicine R and D Grant, Memorial University of Newfoundland \$6,000

Supervision of highly qualified personnel

Current Ph.D. graduate students

Current M.Sc. graduate student

1. Jiali Wang (2021.7 -), currently on leave

Post-doctoral fellows

2. Dr. You Liang (2015.9 - 2017.12), Department of Statistics, University of Manitoba, jointly supervised with Dr. Lysa Porth (Asper School of Business)
1. Dr. Defen Peng (April 1, 2002 - March 31, 2003), Professor in China.

Ph.D. Alumni

6. Yu Zhang (2013.1 - 2020.8).
5. Han Yu (2013.9 - 2020.8). Currently employed with Mitsubishi UFJ Financial Group in Toronto.

4. You Liang (2009.9 - 2015.8, co-supervision with Dr. Y. Yi), Assistant Professor, Department of Mathematics, Ryerson University, Canada (2013 Winner of the Award for Outstanding Research by a PhD Student in the Department of Statistics, University of Manitoba)
3. Qier Tan (Ph.D., 2008.9 - 2012.7), Data Management Analyst and Data Acquisition Officer, Manitoba Centre for Health Policy, University of Manitoba
2. Xuan Li (Ph.D., 2007.1 - 2012.5), Associate Professor, Department of Mathematics and Statistics, University of Minnesota Duluth, USA.
1. Yanqing Yi (Ph.D., 2004.9 - 2008.5), Full Professor of Biostatistics, Division of Community Health and Humanities, Faculty of Medicine, Memorial University of Newfoundland.

M.Sc. Alumni

12. Qiao Tang (2019.9 - 2021.8, co-supervised with Dr. Saman Muthukumarana).
11. Han Yu (M.Sc., 2011.1 - 2013.8).
10. Yu Zhang (M.Sc., 2009.9 - 2012.12).
9. You Liang (M.Sc., 2007.9 - 2009.8).
8. Yi Hua (M.Sc., 2006.9 - 2008.12), currently employed in China
7. Qier Tan (M.Sc., 2006.9 - 2008.8, co-supervised with Dr. James Fu).
6. Huimin Lu (M.Sc., 2005.9 - 2007.12).
5. Tony Tze Chung Wu (M.Sc., 2002.9 - 2005.8).
4. David Tolusso (M.Sc., 2003.5 - 2004.7).
3. Yan Wang (M.Sc., 2002.9 - 2004.5).
2. Yanqing Yi (M.Sc., 2002.9 - 2004.5).
1. Heather Prior (M.Sc., 2001.9 - 2003.6).

Visiting M.Sc. graduate student

1. Yike Xiao (M.Sc., 2012.9 - 2013.8), M.Sc. in Statistics, Central University of Nationality, P.R.China. Currently PhD student in Renmin University, P.R. China.

Former undergraduate summer research students

3. Ying Chen (Faculty of Science Summer Research 2012.5 - 2012.8).
2. Yu Zhang (Faculty of Science Summer Research 2008.5 - 2008.8), later became my M.Sc. student.
1. David Tolusso (NSERC Summer Research 2002.5 - 2002.8), later became my M.Sc. student.

Member of advisory committees for Ph.D. graduate students

29. Patrick Frimpong-Manso, IIS, Co-advisors: Dr. Lysa Porth and Dr. Milton Boyd (2021.1 -)
28. Ai Li, Department of Human Anatomy and Cell Science, Advisor: Dr. Jiming Kong (2018.9 -)
27. Raqeeb Rasheed, Department of Computer Sciences, Advisors: Dr. Parimala Thulasiraman and Dr. Yang Zhang (Mathematics) (2017.9 -)
26. Songhe Shi, Department of Accounting and Finance, Advisor: Dr. S. X. Zheng (2017.9 - 2020.8: switched to MSc)
25. Zixu Zhang, Department of Accounting and Finance, Advisor: Dr. Zhenyu Wu (2016.9 -)
24. Yuan Wang, Department of Accounting and Finance, Co-advisors: Dr. S. X. Zheng and Dr. Z. Wu (2015.9 -)
23. Mitchell B. Roznik, IIS, Co-advisors: Dr. Lysa Porth and Dr. Milton Boyd (completed in 2021)
22. Xiaoping Song, Department of Accounting and Finance, Co-advisors: Dr. S. X. Zheng and Dr. Z. Wu (completed in 2021)
21. Lin Xue, Department of Statistics, Advisor: Dr. Liqun Wang (completed in 2020)
20. Filofteia Gheorghe, Department of Mathematics, Co-advisors: Dr. Yong Zhang and Dr. Stephen Kirkland (Withdrew)
19. Darja Kalajdzievska, Faculty of Education, Advisor: Dr. Rodney Clifton (completed in 2019)
18. Miad Makareh Shireh, Department of Mathematics, Advisor: Dr. Fereidoun Ghahramani (completed in 2019)
17. Jane Breen, Department of Mathematics, Advisor: Dr. Stephen Kirkland (completed in 2018)

16. Jialong Li, Department of Accounting and Finance, Advisor: Dr. Zhenyu Wu (completed in 2017)
15. Davood Malekzadeh Varnosfaderani, Department of Mathematics, Advisor: Dr. F. Ghahramani (completed in 2017)
14. Tianze Li, Department of Accounting and Finance, Advisor: Dr. Steven Xiaofan Zheng (completed in 2017)
13. Terry Fan Jiang, Department of Computer Science, Advisor: Dr. Carson K. Leung (completed in 2017)
12. Alexa Simpson, IIS PhD, Co-advisors: Dr. Lysa Porth and Dr. Milton Boyd (withdrew)
11. Shuo Wang, IIS PhD, Co-advisors: Dr. Lysa Porth and Dr. Milton Boyd (withdrew)
10. Yu-Fei Hsieh, Department of Statistics, Advisor: Dr. James C. Fu (withdrew)
9. Rojiar Haddadian, Department of Statistics, Co-advisors: Dr. Liqun Wang and Dr. Yuliya Martsynyuk (completed in 2016)
8. Safoura Zaffar Jafar Zadeh, Department of Mathematics, Co-advisors: Dr. F. Ghahramani and Dr. R. Stokke (completed in 2015)
7. Varvara Shepelska, Department of Mathematics, Advisor: Dr. Yong Zhang (completed in 2014)
6. Wan-Chen Lee, Department of Statistics, Advisor: Dr. James C. Fu (completed in 2014)
5. Behzad Kasiri, Department of Electrical and Computer Engineering, Co-advisors: Dr. A. Alfa and Dr. J. Cai (completed in 2013)
4. Iman Abdelraouf Mohammed Soliman, Department of Mathematics, Co-advisors: Dr. J. Arino and Dr. N. Zorboska (completed in 2013)
3. Lysa Porth, Asper School of Business, So-advisors: Dr. Jeffrey Pai and Dr. Milton S. Boyd (Individual Interdisciplinary Ph.D.; completed in 2011)
2. Ian Clara, Department of Psychology, Advisor: Dr. C.-L. Huynh (completed in 2009)
1. Dapeng Wang, Mechanical and Industrial Engineering, Co-advisors: Dr. G. Naterer and Dr. Garry G. Wang (completed in 2008)

Examiner for M.Sc. graduate students

30. Songhe Shi, Department of Accounting and Finance, Advisor: Dr. S. X. Zheng (2020.9 -)
29. Deyu Deng, Department of Computer Science, Advisor: Dr. Carson K. Leung
28. Jason Mai, Department of Computer Science, Advisor: Dr. Carson K. Leung
27. Lang Gong, Department of Agribusiness and Agricultural Economics, Advisor: Dr. Milton S. Boyd (completed in 2021)
26. Guanglu Bian, Department of Agribusiness and Agricultural Economics, Advisor: Dr. Milton S. Boyd (completed in 2020)
25. Qimeng Pan, Warren Centre for Actuarial Studies and Research, Advisor: Dr. Lysa Porth (completed in 2020)
24. Bowei Yang, Department of Statistics, Advisor: Dr. Po Yang (completed in 2019)
23. Tingting Wang, Department of Business Administration, Advisor: Dr. Zhenyu Wu (completed in 2019)
22. Kyrylo Muliarchyk, Department of Mathematics, Advisor: Dr. Kirill Kopotun (Completed in 2019)
21. Zehui Wang, Department of Accounting and Finance, Co-Advisors: Dr. Gady Jacoby and Dr. Lei Lu (Completed in 2018)
20. Tapiwa Maswera, Department of Mathematics, Advisor: Dr. Yong Zhang (Completed in 2017)
19. Huan You, Department of Marketing, Advisor: Dr. Fang Wan (Completed in 2017)
18. Yijian Liu, Department of Mathematics, Advisor: Dr. Yang Zhang (Completed in 2017)
17. Chunli Liang, Warren Centre for Actuarial Studies and Research, Advisor: Dr. Samuel Xuemiao Hao (Completed in 2017)
16. Serhii Dovhyi, Department of Mathematics, Advisor: Dr. Adam Clay (Completed in 2017)
15. Qiuyu Chen, Department of Accounting and Finance, Co-advisors: Dr. Gady Jacoby and Dr. Steven Xiaofan Zheng (Completed in 2016)
14. Xinyi Zhu, Warren Centre for Actuarial Studies and Research, Advisor: Dr. Samuel Xuemiao Hao (completed in 2016)
13. Richard Kyle MacKinnon, Department of Computer Science, Advisor: Dr. Carson K. Leung (completed in 2015)

12. Weixi Gu, Department of Mathematics, Co-advisors: Dr. Yang Zhang and Dr. Guenter Krause (completed in 2015)
11. Ning Ma, Department of Accounting and Finance, Advisor: Dr. Usha Mittoo (completed in 2014)
10. Danping Song, Department of Business Administration, Advisor: Dr. Jijun Gao (completed in 2013)
9. Christopher Lee Carmichael, Department of Computer Science, Advisor: Dr. Carson K. Leung (completed in 2013)
8. Liji Huang, Department of Mathematics, Advisor: Dr. Yang Zhang (completed in 2012)
7. Chao Zhu, Department of Statistics, Advisor: Dr. Saumen Mandal (completed in 2012)
6. Fan Jiang, Department of Computer Science, Advisor: Dr. Carson K. Leung (completed in 2012)
5. Boyu Hao, Department of Computer Science, Advisor: Dr. C. K. Leung (completed in 2010)
4. Oleksandr Maizlish, Department of Mathematics, Advisor: Dr. Kirill Kopotun (completed in 2008)
3. John Grivell, Department of Psychology, Advisor: Dr. C-L Huynh (M.A. in 2004)
2. Wenli Xu, Department of Botany, Advisor: Dr. Geoff G. Wang (completed in 2004)
1. Manh Hung Dao, Department of Electrical and Computer Engineering, Advisor: Dr. A. Alfa (completed in 2004)

Teaching

Teaching experience

Department of Statistics, University of Manitoba

2019/2020: Winter: STAT 4700/7240 A01

2018/2019: Winter: STAT 4700/7240 A01

2017/2018: Fall: STAT 3800 A01

2016/2017: Fall: STAT 3800 A01

2015/2016: Winter: STAT 3800 A01

2014/2015: Fall and Winter: STAT 4700/7290 A01

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- 2013/2014:** Fall: STAT 7240 T01; **Winter:** On Sabbatical Leave
- 2012/2013:** Fall: STAT 3470 A01; **Winter:** STAT 7360 T01
- 2011/2012:** Fall: STAT 3470 A01; **Winter:** STAT 7080 A01
- 2010/2011:** Fall: STAT 3470 A01; **Winter:** STAT 4170/7240 A01
- 2009/2010:** Fall: STAT 3470 A01; **Winter:** STAT 7080 A01
- 2008/2009:** Fall: STAT 3470 A01, STAT 4140 A01; **Winter:** STAT 4170/7240 A01
- 2007/2008:** Fall: STAT 2000 A01, STAT 3470 A01; **Winter:** STAT 2400 A01, STAT 4170/7240 A01
- 2006/2007:** Fall: STAT 1000 A06, STAT 3470 A01; **Winter:** On Sabbatical Leave
- 2005/2006:** Fall: 5.100 L07, 5.312 L01; **Winter:** 5.200 L03, 5.417/724 L01
- 2004/2005:** Fall: 5.312 L01; **Winter:** 5.100 L11, 5.417/724 L01
- 2003/2004:** Fall: 5.100 L05, 5.312 L01; **Winter:** 5.200 L03, 5.417 L01
- 2002/2003:** Fall: 5.100 L05, 5.312 L01; **Winter:** 5.313 L01, 5.460/724 L01
- 2001/2002:** Fall: 5.100 L05, 5.312 and 5.347 L01, 5.722 L01; **Winter:** 5.200 L06, 5.460/724 L01
- 2000/2001:** Fall: 5.100 L05, 5.312 and 5.347 L01, 5.722 L01; **Winter:** 5.100 L13, 5.313 and 5.347 L01
- STAT 1000:** Basic Statistical Analysis I (also 5.100)
- STAT 2000:** Basic Statistical Analysis II (also 5.200)
- STAT 2400:** Introduction to Probability I
- 5.312:** Topics in regression analysis
- 5.313:** Statistical Analysis of Designed Experiments
- STAT 3470:** Statistical Methods for Research Workers I (also 5.347)
- 5.348:** Statistical Methods for Research Workers II
- STAT 3800:** Mathematical Statistics
- STAT 4140:** Introduction to Statistical Inference
- STAT 4170:** Lifetime Data Analysis (also 5.417, 5.460, 5.724, STAT 724)
- STAT 4700:** Statistical Consulting
- STAT 7080:** Advanced Statistical Inference
- 5.722:** Seminar in Statistics, Team Teaching
- STAT 7240:** Design and Analysis of Clinical Trials
- STAT 7240:** Statistical Consulting
- STAT 7360:** Topics on Markov Decision Processes

Warren Centre for Actuarial Studies and Research, University of Manitoba

2021/2022: Fall: GMGT 7540 A01

2020/2021: Summer: GMGT 7530 T23 (team teaching)

2020/2021: Winter: FIN 7260

2020/2021: Fall: IDM 4050 T01

2008/2009: Fall: IDM 4050 T01

2007/2008: Winter: IDM 4050 T02

2006/2007: Fall: IDM 4050 A02

2005/2006: Fall: 10.414 A01; **Winter:** 98.405 L03

2004/2005: Fall: 10.414 A01

2002/2003: Fall: 10.424 A01

10.414: Actuarial Modeling Method 1

10.424: Actuarial Modeling Method 2

IDM 4050: Readings in Management (Time Series and Regression)

IDM 4050: Readings in Management (Mathematical Statistics, 2020/2021)

FIN 7260: Research Methodology in Management

GMGT 7530: Statistical Learning, Textual Analysis and Data Mining for Management Research

GMGT 7540: Doctoral Seminar in Research Methods

Service

Reviewer (2008 - 2016)

Mathematical Review

Service within the Warren Centre and Asper School of Business

2020–2021: Member on one tenure committee

2020–2021: Member on three promotion committees

2020–2021: Member on the search committee for an office assistant

2020–2021: Member on the search committee for a tenure track position at the level of Assistant/Associate Professor

2020–2021: Member of Asper working group on Business Analytics core course and major

2020–2021: Member of the Undergraduate Curriculum review committee

2020–2021: Organizer/moderator of special virtual talk: “Holistic Financial Wellness”

2020–2021: Member on the Research and Publications committee

Service within the Department of Statistics

2018–2020: Member of the Statistics Graduate Committee

2017–2018: Associate Department Head (Graduate), Chair of the Statistics Graduate Committee, member of Statistics Executive Committee

2016–2020: Associate Dean, Faculty of Graduate Studies, Member of Many University Committees

2012–2016: Department Head, Chair of Statistics Executive Committee, Chair of Many Search Committees

Fall 2011: Undergraduate Committee (Chair), Department Executive Committee, Student Advising

2010–2011: Undergraduate Committee (Chair), Search Committee (Chair), Department Executive Committee, Student Advising, Social Committee

2009–2010: Undergraduate Committee (Chair), Department Executive Committee, Student Advising, Social Committee, Tenure and Promotion committees

2008–2009: Undergraduate Committee (Chair), Department Executive Committee, Student Advising, Social Committee

2007–2008: Undergraduate Committee (Chair), Department Executive Committee, Search Committee for an Instructor

2006–2007: Graduate Committee (Chair, Fall Term Only), Undergraduate Committee (Chair), Department Executive Committee, Search Committee for an Instructor

2005–2006: Scholarship and Awards Committee (Chair)

2004–2005: Graduate Committee (Chair), Course Assessing Committee, Term Grades Appeal Committee, Hiring Committee for Assistant Professor in Statistics

2003–2004: Graduate Committee (Chair), Statistical Advisory Service (Coordinator)

2002–2003: Graduate Committee (Chair), Statistical Advisory Service (Coordinator)

2001–2002: Undergraduate Course and Program Committee (Chair), Research Committee, Undergraduate Committee, Statistical Advisory Service (Coordinator)

2000–2001: Research Committee, Scholarship and Awards Committee, Undergraduate Course and Program Committee, Biostatistics Course Committee

Service within the university

- 2016–2020 U of M Senate Committee on Libraries
- 2016–2020 U of M FGS Canada Graduate Scholarship Selection Committee
- 2016–2020 U of M Internal Grants Review Committee
- 2016–2020 U of M Academic Integrity Working Group
- 2016–2019 U of M Identity and Access Management (IAM) Committee
- 2012–2016 U of M International Student Recruitment Advisory Committee
- 2012–2016 Faculty of Science Internationalization Committee
- 2012–2014: Search Committee for the Warren Chair in Actuarial Studies and Research
- 2012–2012: Search Committee for an Assistant Professor in Actuarial Studies and Research
- 2010–2010: Ad Hoc committee to Review the University Mathematics and Written English requirements
- 2008–2011: Faculty of Science Committee on Courses and Programs
- 2008–2011: Faculty of Arts Council representative
- 2009–2009: Faculty of Graduate Studies Member of Selection Committee for Vanier Canada Graduate Scholarship (NSERC)
- 2005–2006: Faculty of Science Committee on Student Standing
- 2005–2006: Search Committee for an Assistant Professor in Mathematics
- 2002–2004: Faculty of Science Graduate Achievement in Industry Award Committee
- 2002–2003: Faculty of Science Local Discipline Committee
- 2001–2002: Faculty of Science Endowment Fund Committee (2001 - 2002)

Chair of Ph.D. and MSc. oral examinations

- 2020: Eid Albalawi, Ph.D., Department of Computer Science, Advisor: Dr. Parimala Thulasiraman
- 2019: Marc Morissette, Ph.D., Applied Health Sciences, Advisors: Dr. Jeff Leiter and Dr. Todd Duhamel
- 2016: Abolfazl Hajihassani, Ph.D., Department of Soil Science, Advisor: Dr. Mario Tenuta
- 2015: Marina Kotovshchikova, Ph.D., Department of Mathematics, Advisor: Dr. Shaun Lui
- 2009: Hossein Pourreza, M.Sc., Department of Computer Science, Advisor: Dr. Peter Graham

- 2008:** Chunsheng Yu, Ph.D., Department of Mechanical and Industrial Engineering, Advisor: Dr. Q. Peng
- 2007:** Scott Klippenstein, M.Sc. Candidate, Department of Statistics, Supervisor: Dr. L. Wang
- 2006:** Wei Zhou, M.Sc., Department of Statistics, Supervisor: Dr. J. Zhang
- 2004:** Rui Xu, Ph.D., Department of Mechanical and Industrial Engineering, Advisor: Dr. Greg Naterer

Service in professional societies and in the larger communities

- 2021:** Review of an application for PGRS (Postgraduate Research Scholarship) at the Graduate School of Xi'an Jiaotong-Liverpool University (XJTLU)
- 2021:** Review of the Graduate Programs at the Ottawa-Carleton Institute of Mathematics and Statistics (OCIMS) and the individual graduate programs (MSc and PhD) in Mathematics and Statistics at the University of Ottawa and Carleton University. (Conducted virtually, on February 16th and 17th, 2021, jointly with Professor Dmitry Pelinovsky from McMaster University)
- 2015:** University of Cincinnati: External reviewer for tenure
- 2014:** Acadia University: External reviewer for promotion to Professor
- 2013–2014:** ICSA (International Chinese Statistical Association) Nomination Committee
- 2002–current:** Victoria General Hospital (Clinical Institute of Applied Research and Education)
- 2012–2015:** Statistical Society of Canada (Local Representative of the University of Manitoba)
- 2013:** Louisiana State University Health Science Center: External reviewer for promotion to Full Professor
- 2006–2009:** Statistical Society of Canada (Statistical Education Committee)
- 2009:** Canada-Wide Science Fair 2009 (Judge/Presentation of Statistical Society of Canada Award)
- 2008–2012:** Association of Chinese Professors in Manitoba (Founding President 2008 - 2009, Past-President 2009 - 2010, Board member 2010 - 12)
- 2008–2009:** University of New Brunswick (Fredericton): External reviewer for promotion to Professor
- 2008:** Queen's University: External Referee for the Renewal of an Assistant Professor Appointment
- 2002–2003:** Memorial University of Newfoundland, Department of Mathematics and Statistics: External Examiner for a M.Sc. Practicum

Associate Editor (since 2010)

Communications in Statistics (Theory and Methods)

Communications in Statistics (Simulation and Computation)

Communications in Statistics (Case Studies and Data Analysis)

Referee for publications and grants

- Referee for journals: *Biometrika*, *Statistics in Medicine*, *Journal of Statistical Planning and Inference*, *Stochastic Models*, *Communication in Statistics*, *Statistics and Probability Letters*, *Computer Methods and Programs in Biomedicine*, *Canadian Journal of Statistics*, *Journal of Inequalities and Applications*, *Contemporary Clinical Trials*, *Contemporary Clinical Trials Communications*, *Operations Research Letters*
- Referee for grants: NSERC (Statistics), Manitoba Health Research Council (Operating Grants, Post-doctoral Fellowships, Studentships - both Master's and Doctoral), MRC (former Medical Research Council), Canadian Breast Cancer Foundation

Conference organization

15. Member of International Scientific Committee, 2017 International Conference on Mathematics, Modeling and Simulation Technologies and Applications, Xiamen, China, December 24-25, 2017
14. Session organizer and Chair, Statistical Society of Canada 2017 Annual Meeting, Winnipeg, Canada, June 11 - 14, 2017: Some latest trends in biostatistics
13. Session organizer and Chair, ICSA-Canada Chapter Symposium, Canada, August 18 - 20, 2017: Statistical Methods and Applications with Big Data
12. Member of the organizing committee, Journal of International Financial Markets, Institutions and Money Special Issue Conference (Pu'er, P.R. China), December 16-17, 2016.
11. Member of the organizing committee, The 5th (2012) International Institute of Statistics and Management Engineering Symposium (Qingdao, P.R. China), July 20-25, 2012.
10. Member of the organizing committee, The 4th (2011) International Institute of Statistics and Management Engineering Symposium (Dalian, P.R. China), July 24-29, 2011.
9. Chair of Statistical Methods and Applications in Clinical Trials and Genetic Studies, The Eighth ICSA International Conference (Guangzhou, P.R. China), December 19-22, 2010. (Frontiers of Interdisciplinary and Methodological Statistical Research)
8. Chair of an Invited session, 2010 Conference on Computational Economics and Statistics (Kunming, P.R. China), July 2010.

7. Member of the organizing committee, The 2nd (2009) International Institute of Statistics and Management Engineering Symposium (Qingdao, P.R. China), July 2009.
6. Co-organizer of FuFest (A symposium and workshop in honour of James C. Fu), Department of Statistics, University of Manitoba, May 27-28, 2009.
5. Session organizer, Statistical Society of Canada 2009 Annual Meeting, Vancouver, Canada, May 31 - June 3, 2009: Some recent developments on response adaptive designs of clinical trials
4. Organizer of session on Adaptive Randomization for Clinical Trials, at the 1st International Symposium on Biopharmaceutical Statistics (Shanghai, China, 2008)
3. Chair, Finite Markov Chain Imbedding and Its Applications in Biology (organizer: Dr. James Fu), The 2007 Taipei International Statistical Symposium and ICOSA International Conference, June 25 - 27, 2007.
2. Co-organizer of the Fourth UM Statistics Research Workshop at the University of Manitoba, from August 4 to 6, 2004.
1. Co-organizer of the Third Annual Statistics Workshop, held in the Department of Statistics, University of Manitoba, on July 24 and 25, 2002.

Others

Society memberships

- The Royal Statistical Society (Fellow)
- Statistical Society of Canada (Member and P.Stat.)
- Institute of Mathematical Statistics (Permanent Member)
- International Chinese Statistical Association (Permanent Member)

Professional designation

- Professional Statistician (Statistical Society of Canada) since 2006