

Louis H. Y. CHEN 陈晓云

Emeritus Professor

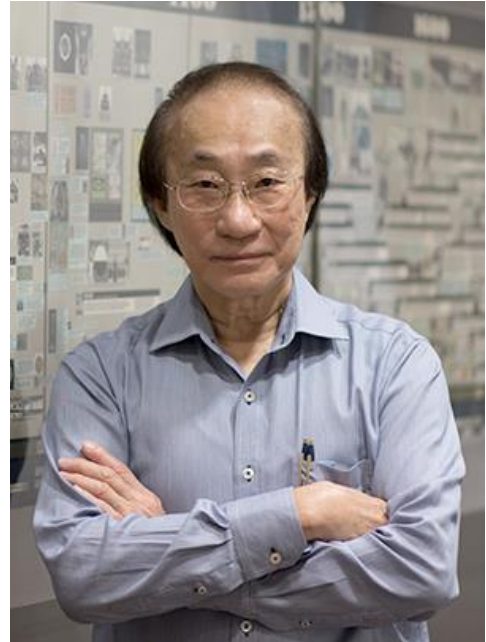
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Academic Qualifications

1. Ph.D. Stanford, 1971
2. M.S. Stanford, 1969
3. B.Sc. (Hons.) Singapore, 1964

Research Interests

1. Probability
2. Stein's method
3. Computational biology

Academic Appointments

1. Emeritus Professor, National University of Singapore, from 1 July 2015
2. Distinguished Professor, National University of Singapore, 1 January 2013 – 30 June 2015.
3. Tan Chin Tuan Centennial Professor, National University of Singapore, 1 July 2006 - 31 December 2012.
4. Professor, Department of Mathematics, National University of Singapore, January 1989 – 30 June 2015.
5. Professor, Department of Statistics and Applied Probability, National University of Singapore, April 1998 – 30 June 2015.
6. Associate Professor, Department of Mathematics, National University of Singapore, January 1981 - December 1988.
7. Senior Lecturer, Department of Mathematics, University of Singapore, January 1977 - December 1980 (with tenure since April 1978).
8. Lecturer, Department of Mathematics, University of Singapore, April 1972 - December 1976.
9. Temporary Assistant Lecturer, Department of Mathematics, University of Singapore, May 1966 - August 1967.
10. Assistant Lecturer in Mathematics, Singapore Polytechnic, June 1964 - December 1965.
11. Visiting Professor, Unité d'Enseignement et de Recherche de Mathématiques, Université de Provence, France, 11 May - 10 June 1991.

12. Guest Lecturer, Department of Mathematics, Chalmers University of Technology and University of Goteborg, Sweden, 30 April 1979 - 18 May 1979.
13. Visiting Associate Professor, Department of Mathematics, Massachusetts Institute of Technology, U.S.A., Fall Semester 1978 - 79.
14. Visiting Associate Professor, Department of Statistics, Stanford University, U.S.A., Summer Quarter 1978.
15. Visiting Assistant Professor, Department of Mathematics, Simon Fraser University, Canada, August 1971 - April 1972.

Administrative Appointments

1. Member, Scientific Advisory Board, Institute for Mathematical Sciences, National University of Singapore, 1 July 2013 – present.
2. Member, Management Board, Institute for Mathematical Sciences, National University of Singapore, 1 January 2013 – present.
3. Director, Institute for Mathematical Sciences, National University of Singapore, 1 July 2000 - 31 December 2012.
4. Head, Department of Statistics and Applied Probability (DSAP), National University of Singapore, 15 July 2002 - 30 June 2004.
5. Head, Department of Mathematics, National University of Singapore, 1 July 1996 - 30 June 2000.
6. Member, Executive Committee, DSAP, July 2004 - June 2010.
7. Member, Head Search Committee, Dept of Math, July 2011 - December 2011.
8. Member, Head Search Committee, DSAP, February - August 2003, March 2009 - October 2010.
9. Member, Search Committee, Dept of Math, August 2006 – July 2015.
10. Member, Search Committee (for senior appointments and Saw Swee Hock Professorship), DSAP, July 2011 – 30 June 2015.
11. Member, Search Committee, DSAP, January 1999 - May 2001, July 2006 - June 2011.
12. Member, Selection Review Committee for Provost's Chair and Dean's Chair, Faculty of Science, 2009 – 2015.
13. Chair, Review Committee (for mentoring and guiding assistant professor), Dept of Math, October - December 2011.
14. Member of many (and chair of some) Departmental Evaluation Committees of Dept of Math and of DSAP, 2002 – 2014.
15. Member, Saw Swee Hock Professorship Committee, DSAP, July 2004 - August 2007.
16. Member, Nominating Committee for Honorary Degrees and Emeritus Professorships, 1 March 2003 - 30 June 2005.
17. Member, Task Force on Tenure and Compensation, 14 April - 30 June 2003.
18. Member, University Promotion and Tenure Committee, 1 June 2001 - 30 June 2002.
19. Member, Special Review Committee, 1 January - 31 May 2002.
20. Member, Task Force on Restructuring of the Senate, 17 January 2002 - 16 April 2002.
21. Acting Head, Dept of Math, 14 November 1988 - 15 November 1989.
22. Divisional Head, Statistics Division, Dept of Math, October 1992 - March 1998.
23. Chair, Dept of Math Professorial Review Committee, August 2000 - May 2001.
24. Chair, Head Search Committee, Dept of Math, 2000.
25. Chair (April 1998 - July 1999), Member (August 1999 - May 2001), Academic Review Committee (formerly by other names), DSAP.
26. Chair, SWIMS Committee, DSAP, August 2000 - June 2002.
27. Member of the following Professorial Boards of Selection:
 - Economics & Statistics, October 1996 - March 1998;
 - Economics, April 1998 - May 2001;
 - Statistics and Applied Probability, April 1998 - May 2001;
 - Law, October 1996 - May 2001;
 - Business Administration, October 1996 - May 2001;

- Computer Science, October 1996 - May 2001;
 - Computational Science, October 1996 - May 2001;
 - Physics, October 1996 - May 2001;
 - Philosophy, October 1996 - May 2001;
 - Political Science, October 1996 - May 2001;
 - Electrical & Computing Engineering, March 2001;
 - Mechanical Engineering, March 2001.
28. Member, Faculty of Science Professorial Review Committee, September 1998 - May 2001.
 29. Member of the following Boards of Selection:
 - Economics & Statistics, July 1996 - March 1998;
 - Economics, April 1998 - May 2001;
 - Statistics and Applied Probability, April 1998 - May 2001.
 30. Chair (July 1983 - June 1985; July 1987 - November 1990; July 1991 - June 1996) and Member (July 1981 - June 1983; July 1986 - June 1987), Curriculum Committee, Dept of Math.
 31. Member, Engineering Faculty Board, July 1996 - June 2000.
 32. Member, Library Committee, July 1996 - June 2000.
 33. Faculty Representative, Alumni Liaison Committee, July 1989 - June 2000.
 34. Faculty Representative, Board of Admission, March 1987 - February 1996.

Editorial Services

1. Associate Editor, *Bernoulli*, Official Journal of the Bernoulli Society for Mathematical Statistics and Probability, November 1993 - August 2000.
2. Associate Editor, *Statistica Sinica*, November 1988 - July 1996.
3. Member, Editorial Board, *Methodology and Computing in Applied Probability*, December 1997 – December 2013.
4. Contributing Editor, *IMS Bulletin*, Institute of Mathematical Statistics, January 2007 - December 2010.
5. Advisor to World Scientific in Mathematics, since October 1996.
6. Series Editor, *Lecture Notes Series*, Institute for Mathematical Sciences, National University of Singapore, December 2002 – December 2012.

Service to the International Scientific Community (Committees)

1. President, Institute of Mathematical Statistics (U.S.A.), August 2004 - July 2005.
2. President, Bernoulli Society for Mathematical Statistics and Probability, August 1997 - July 1999.
3. Vice-President, International Statistical Institute, 2009 - 2011.
4. Member, Scientific Advisory Committee, Centre of Excellence for Mathematical and Statistical Frontiers, Australian Research Council, 1 July 2014 – present.
5. Member, Advisory Committee, Beijing International Center for Mathematical Research, May 2010 – present.
6. Member, Committee on Establishment of an International Prize in Statistics, American Statistical Association, January - March 2012.
7. Member (2006 – 2008) and Chair (2008 – 2009), Committee for the Carver Medal, Institute of Mathematical Statistics (U.S.A.).
8. Member, Committee of Presidents of Statistical Societies, August 2003 - July 2006.
9. Member, Corporation of National Institute for Statistical Sciences (U.S.A.), July 2004 - June 2005.
10. Member, Loeve Prize Committee, 2003 and 2005.
11. Chair (2001 - 2003) and Member (2003 - 2005), East Asian and Pacific Regional Committee, Bernoulli Society.
12. Member, Committee on Nominations, Institute of Mathematical Statistics (U.S.A.), 1996 - 1997 and 2000 - 2001.

13. Member, Evaluation Committee for the Department of Mathematics and Statistics, University of Cyprus, 1999 - 2000.
14. Council Member, International Statistical Institute, August 1997 - July 1999.
15. Member, Committee for Conferences on Stochastic Processes, Bernoulli Society, August 1993 - August 1999.
16. Member, Outstanding Research Award Selection Committee of the R.O.C. National Science Council, March 1999.

Service to the International Scientific Community (Conferences)

1. Organizer of Session in Memory of Charles Stein, 40th Conference on Stochastic Processes and their Applications (SPA 2018), 11 - 15 June 2018, Gothenburg, Sweden.
2. Member, Advisory Committee, 38th International Conference on Infinite Dimensional Analysis, Quantum Probability and Related Topics (QP38), 2 - 6 October 2017, Noda City, Japan.
3. Session Organizer, Joint Australian Statistical Conference and Annual Meeting of Institute of Mathematical Statistics, 7 - 11 July 2014, Sydney, Australia
4. Member, Executive Committee, Sixth International Congress of Chinese Mathematicians, 14 - 19 July 2013, Taipei.
5. Member, Scientific Committee, Asian Mathematical Conference 2013, 30 June - 4 July 2013, Busan, Korea.
6. Member, Executive Committee, Fifth International Congress of Chinese Mathematicians, 17 - 22 December 2010, Beijing, China.
7. Member, Program Committee, International Congress of Mathematicians, 19 - 27 August 2010, Hyderabad, India.
8. Member, Program Committee, 73rd Annual Meeting of the Institute of Mathematical Statistics, 9 - 13 August 2010, Gothenburg, Sweden.
9. Member, Organizing Committee, From Markov Processes to Brownian Motion and Beyond: An International Conference in Memory of Kai Lai Chung, 13 - 16 Jun 2010, Beijing, China.
10. Chair, Organizing Committee, Symposium in Probability and Statistics in honor of Charles Stein on his 90th Birthday, 22 Mar 2010, Stanford University, USA.
11. Chair, Local Organizing Committee and member, Scientific Program Committee, 7th World Congress in Probability and Statistics, jointly sponsored by the Bernoulli Society for Mathematical Statistics and Probability and the Institute of Mathematical Statistics, 14 - 19 July 2008, Singapore.
12. Member, Scientific Program Committee, 2008 International Workshop on Applied Probability (IWAP), 7 - 10 July 2008, University of Technology of Compiègne, France.
13. Member, Executive Committee, Fourth International Congress of Chinese Mathematicians (ICCM), 17 - 22 December 2007, Hangzhou, China.
14. Member, Program Committee, 9th International Vilnius Conference on Probability Theory and Mathematical Statistics, 25 - 30 June 2006, Vilnius, Lithuania.
15. Member, Scientific Committee, Second International Conference on Abstract and Applied Analysis, 4 - 9 June 2005, Quy Nhon, Vietnam.
16. Member, Program Committee, Conference on Stochastic Modelling of Complex Systems, 10 - 16 July 2005, Daydream Island, Queensland, Australia.
17. Member, Executive Committee, Third International Congress of Chinese Mathematicians (ICCM), 17 - 22 December 2004, Hong Kong.
18. Chair, Local Organizing Committee and Member, Program Committee, Sixth ICSA International Conference, 21 - 23 July 2004, Singapore.
19. Member, Scientific Committee, International Workshop on Applied Probability, 22 - 25 March 2004, Piraeus, Greece.
20. Member, Program Committee, Bernoulli Society EAPR Conference, 18 - 20 December 2003, Hong Kong.

21. Member, Advisory Committee, Abstract and Applied Analysis, 13 - 17 August 2002, Hanoi, Vietnam (Satellite conference of the International Congress of Mathematicians 2002, 20 - 28 August, 2002, Beijing).
22. Member, Scientific Program Committee, 28th Conference on Stochastic Processes and their Applications, 1-5 July 2002, University of Melbourne, Australia.
23. Co-Chairman, Program Committee, International Conference on Probability and Statistics and their Applications, 9 - 11 June 1999, Hanoi, Vietnam (Organized under the auspices of the East Asian and Pacific Regional Committee of the Bernoulli Society).
24. Co-Chairman, Program Committee, International Conference on Probability and Its Applications, 24 - 26 February 1998, Taejon, Korea (Organized under the auspices of the East Asian and Pacific Regional Committee of the Bernoulli Society).
25. Member, International Advisory Committee, Recent Advances in Statistics and Probability, 29 December 1997 to 1 January 1998, Calcutta, India.
26. Chairman, Program Committee and Local Organizing Committee, 23rd Conference on Stochastic Processes and their Applications, 19 - 23 June 1995, Singapore.

Service to the Local Community

1. Member, Program Committee, Global Young Scientists Summit 2013 (organized by National Research Foundation).
2. Member, Tier 2 Expert Panel (for reviewing research proposals), Ministry of Education, 2006 - 2009, 2009 - 2011, 2011 - 2013.
3. Member, Selection Panel for Singapore National Academy of Science Young Scientist Award, 2000, 2002.
4. Member, Organizing Committee for Singapore National Academy of Science Young Scientist Award, 2001.
5. Member, Panel of Judges, National Science Talent Search Award, 1997 - 1998, 2000.
6. Member, 1999 National Science Award Selection Committee.
7. Member, 1998 National Science Award Selection Committee.
8. Member, National Science Talent Search Award Committee, 1996 - 1998.
9. Member, Education Service Commission, 16 August 1990 - 31 March 1998.
10. President (1984 - 1985 and 1988 - 1991) and Honorary Secretary (1974 - 1977 and 1980 - 1982), Singapore Mathematical Society.
11. President (1982 - 1983) and Vice-President (1980 - 1982), Singapore Institute of Statistics.

Honors and Awards

1. Distinguished Alumni Service Award 2017
2. Member, IMU Circle 2014.
3. Richard von Mises Lecturer, Humboldt University Berlin 2013.
4. Fellow (elected), Singapore National Academy of Science 2011.
5. Long Service Medal 2010 (Singapore National Day Award).
6. P C Mahalanobis Memorial Lecturer, Indian Statistical Institute 2009.
7. Chevalier dans l'Ordre des Palmes Académiques 2005 (conferred by French Government).
8. Distinguished Science Alumni Award 2004.
9. Public Administration Medal (Silver) 2002 (Singapore National Day Award).
10. Fellow (elected), The World Academy of Sciences (TWAS) 2000.
11. Member (elected), International Statistical Institute 1999.
12. NUS Staff Achievement Award 1998.
13. Excellence for Singapore Award (Singapore) 1997.
14. National Science and Technology Award (Singapore) 1991.
15. Fellow (elected), Institute of Mathematical Statistics (U.S.A.) 1989.
16. State Scholar 1961-64.

Conferences (Invited Lectures)

1. Tenth International Calcutta Triennial Symposium on Probability and Statistics, 27 - 30 December, 2018, University of Calcutta, India. (Keynote address)
2. 40th Conference on Stochastic Processes and their Applications (SPA 2018), 11 - 15 June 2018, Gothenburg, Sweden. (30-minute lecture)
3. 38th International Conference on Infinite Dimensional Analysis, Quantum Probability and Related Topics (QP38), 2 - 6 October 2017, Noda City, Japan.
4. 3rd Melbourne-Singapore Probability and Statistics Forum, 25 - 28 September 2017, Melbourne, Australia. (50-minute lecture)
5. 61st World Statistics Congress (WSC), 16 - 21 July 2017, Marrakech, Morocco. (30-minute lecture)
6. 2017 IMS-China International Conference on Statistics and Probability, 28 June - 2 July 2017, Nanning, China. (30-minute lecture)
7. 10th ICSA International Conference, 19 - 22 December 2016, Shanghai, China. (30-minute lecture)
8. 3rd Workshop on Probability Theory and Its Applications, 13 - 16 December 2016, Korea Institute for Advanced Study (KIAS), Seoul, Korea. (30-minute lecture)
9. 37th International Conference on Quantum Probability and Related Topics, 22 - 26 August 2016, Kuantan, Malaysia. (45-minute lecture)
10. World Congress in Probability and Statistics, 11 - 15 July 2016, Toronto, Canada. (30-minute lecture)
11. 8th International Conference on Science and Mathematics Education in Developing Countries, 4 - 6 December 2015, Yangon, Myanmar. (Plenary lecture)
12. 38th Conference on Stochastic Processes and their Applications, 13 - 17 July 2015, Oxford, United Kingdom. (30-minute lecture)
13. Melbourne-Singapore Probability and Statistics Forum, 25 February 2015, Melbourne, Australia. (50-minute lecture)
14. International Conference on Stochastic Processes, Analysis and Mathematical Physics in Honor of Professor Masatoshi Fukushima's Sanju, 25 - 29 August 2014, Osaka, Japan. (Plenary lecture)
15. VIASM Annual Meeting, 26 - 27 July 2014, Hanoi, Vietnam. (90-minute lecture)
16. International Colloquium on Stein's Method, Concentration Inequalities, and Malliavin Calculus, Missillac, Loire-Atlantique, France, 29 June - 2 July 2014. (50-minute lecture)
17. Melbourne-Monash Meeting on Probability and Related Fields, 21 February 2014, University of Melbourne, Melbourne, Australia (45-minute lecture)
18. Conference ProbaGeo 2013 at Luxembourg, 28 - 31 October 2013, Luxembourg. (45-minute lecture)
19. Workshop on Stein's Method and Related Topics, 21 - 22 October 2013, Vandoeuvre-lès-Nancy, France. (45-minute lecture)
20. International Conference Ars Conjectandi 1713-2013, 15 - 16 October 2013, Basel, Switzerland. (Keynote 45-minute lecture)
21. International Congress of Chinese Mathematicians (ICCM), 14 - 19 July 2013, Taipei, Taiwan. (45-minute lecture)
22. The Second Pacific Rim Mathematical Association (PRIMA) Congress, 24 - 28 June 2013, Shanghai, China. (30-minute lecture)
23. Richard von Mises Lecture, 14 June 2013, Humboldt University Berlin, Germany. (One-hour lecture)
24. QBIC (Quantum Bio-Informatics Center) Workshop 2013 on IDAQP (Infinite Dimensional Analysis and Quantum Probability), Tokyo University of Science, Japan, 11 - 12 January 2013. (40-minute lecture)
25. International Workshop on IDAQP (Infinite Dimensional Analysis and Quantum Probability) - White noise, Quantum Information and Statistics, Aichi Prefectural University, Japan, 7 - 9 January 2013. (50-minute lecture)
26. International Conference on Scientific Computing, in honor of Tony F. Chan on his 60th Birthday, 4 - 7 January 2012, Chinese University of Hong Kong and Hong Kong University of Science and Technology, Hong Kong. (30-minute lecture)

27. Conference in Genetics, Probability, and Statistics, in Honor of David Siegmund on his 70th Birthday, 17 - 18 June 2011, Stanford University, USA. (30-minute lecture)
28. The Third International Conference "Problems of Cybernetics and Informatics", 6 - 8 September 2010, Baku, Azerbaijan. (Plenary lecture)
29. ICM Satellite Conference on Probability and Stochastic Processes, August 13 - 17, 2010, Indian Statistical Institute, Bangalore, India. (Plenary lecture)
30. From Markov Processes to Brownian Motion and Beyond: An International Conference in Memory of Kai Lai Chung, 13 - 16 June 2010, Beijing, China.(50-minute lecture)
31. Symposium on Probability in Honour of Professor Andrew Barbour, 4 November 2009, Zurich, Switzerland. (50-minute lecture)
32. International Workshop on Differential and Difference Equations: Theory, Numerics and Applications, 29 - 31 October, 2009, Hanoi and Halong, Vietnam. (40-minute lecture)
33. International Conference on Bioinformatics (InCoB 2009), 9 - 11 September 2009, Singapore. (Keynote speech)
34. Advances in Mathematics, Official Opening of the School of Physical and Mathematical Sciences, Nanyang Technological University, 20 – 22 July 2009, Singapore. (40-minute lecture)
35. Third International Conference on Stochastic Analysis and Its Applications, 13 - 17 July 2009, Beijing, China. (40-minute lecture)
36. 1st Institute of Mathematical Statistics Asia Pacific Rim Meeting, 28 June - 1 July 2009, Seoul, Korea. (Distinguished lecture)
37. P C Mahalanobis Memorial Lectures, Indian Statistical Institute, Bangalore, Kolkata and Delhi, 12 – 19 April 2009. (6 One-hour lectures)
38. Seventh Vietnam Mathematical Congress, 4 - 8 August 2008, Quy Nhon, Vietnam. (45-minute lecture)
39. 9th World Conference of the International Society for Bayesian Analysis (ISBA), 21 - 25 July 2008, Hamilton Island, Australia. (30-minute lecture)
40. IMS-China International Conference on Statistics and Probability 2008, 11 - 13 June 2008, Hangzhou, China. (45-minute lecture)
41. Workshop on Climate Change Impacts on Ecology and the Environment, 5 - 9 May, 2008, Banff International Research Station (BIRS), Canada. (30-minute lecture)
42. Advanced School and Conference on Statistics and Applied Probability in Life Sciences, 24 September - 12 October 2007, Miramare - Trieste, Italy. (Mini-course)
43. Inaugural Lecture, SMS Lecture Series (organized by Singapore Mathematical Society), 2 March 2007, Singapore. (One-hour lecture)
44. International Conference on Asymptotic Theory in Probability and Statistics (in honor of Professor Zhengyan Lin on his 65th birthday), 19 - 21 June 2006, Hangzhou, China.
45. Third International Workshop in Applied Probability (IWAP2006), 15 - 18 May 2006, Storrs, Connecticut, USA. (Plenary lecture)
46. Applied Probability Day, 12 May 2006, Center for Applied Probability, Columbia University, USA. (45-minute lecture)
47. International Statistical Conference: Statistics in the Technological Age, 27 - 31 December 2005, Kuala Lumpur, Malaysia. (Plenary lecture)
48. Conference in Probability with Applications to Finance and Insurance (in honor of Tze Leung Lai), 19 - 21 December 2005, Hong Kong.
49. Statistics and Probability Conference in Memory of Ching-Zong Wei, 12 - 14 December 2005, Taipei, Taiwan.
50. Mathematics 2005: Opportunity and Challenge, 25 - 29 July 2005, Wei-hai, China. (45-minute lecture)
51. 2nd International Conference on Abstract and Applied Analysis, 4 - 9 June 2005, Quy Nhon, Vietnam. (Plenary lecture)
52. International Conference on the Future of Statistical Theory, Practice and Education, 29 December 2004 - 1 January 2005, Hyderabad, India. (Plenary lecture)

53. Malaysian Science and Technology Congress, 5 - 7 October 2004, Putrajaya, Malaysia. (Plenary lecture)
54. Risk Analysis: Statistical and Probabilistic Methods (in honor of Jozef L. Teugels), 26 - 27 May 2004, Leuven, Belgium.
55. Second International Workshop in Applied Probability, 22 - 25 March 2004, Piraeus, Greece. (Invited speaker and organizer of an invited session)
56. International Conference: Kolmogorov and Contemporary Mathematics, in Commemoration of the Centennial of Andrei Nikolaevich Kolmogorov, 16 - 21 June 2003, Moscow, Russia. (45-minute lecture)
57. International Congress of Chinese Mathematicians (ICCM), 17 - 22 December 2001, Taipei, Taiwan. (45-minute lecture)
58. Lectures on Contemporary Statistics, 17 December 2001, Taipei, Taiwan. (One-hour lecture)
59. Combinatorics, Probability and Computing, 23 - 29 September 2001, Oberwolfach, Germany.
60. International Conference on Recent Developments in Statistics and Its Applications, 26 - 28 June 2001, Kuala Lumpur, Malaysia.
61. Perspectives of Mathematical Research in China for the 21st Century, 28 - 30 May 2001, Hong Kong.
62. Third Asian Mathematical Conference, 23 - 27 October 2000, Diliman, Philippines. (Plenary lecture)
63. 28th Lunteren Meeting, 15 - 17 November 1999, Lunteren, The Netherlands.
64. 26th Conference on Stochastic Processes and their Applications, 14 - 18 June 1999, Beijing, China.
65. International Conference on Recent Advances in Probability and Statistics, 3 - 5 June 1999, Athens, Greece.
66. Recent Advances in Statistics and Probability, 29 December 1997 - 1 January 1998, Calcutta, India. (Invited speaker and organizer of the invited paper session "Poisson Approximation")
67. Random Graphs and Combinatorial Structures, 29 September - 3 October 1997, Oberwolfach, Germany.
68. Symposium on Probability Towards 2000, 2 - 6 October 1995, New York, USA.
69. The 3rd World Congress of the Bernoulli Society for Mathematical Statistics and Probability and the 57th Annual Meeting of the Institute of Mathematical Statistics, 20 - 25 June 1994, Chapel Hill, North Carolina, USA. (Invited speaker and organizer of the invited paper session "Poisson Approximation")
70. Sixth International Vilnius Conference on Probability Theory and Mathematical Statistics, 28 June - 3 July 1993, Vilnius, Lithuania.
71. Workshop on Stochastic Analysis and Its Applications, 31 May - 5 June 1993, Taipei, Taiwan.
72. Symposium on Poisson Approximation, 14 March 1991, University of Southern California, USA.
73. First ICSA Conference on Recent Developments in Statistical Research, 15 - 17 December 1990, Hong Kong.
74. Conference on Gaussian Random Fields, 15 - 20 August 1990, Nagoya, Japan.
75. Supplementary Meeting to the 15th Conference on Stochastic Processes and their Applications, 15 - 19 December 1986, Nagoya, Japan.
76. 1986 International Statistical Symposium, 3 - 5 August 1986, Taipei, Taiwan.
77. First Franco-Southeast Asian Mathematical Conference, 14 May - 1 June 1979, Singapore.

Selected Publications

Papers

1. (With Yuh-Jia Lee and Hsin-Hung Shih) Normal approximation for white noise functionals by Stein's method and Hida calculus. In: L. Accardi, L. H. Y. Chen, T. Hida, M. Ohya, Si Si and N. Watanabe (eds.), *White Noise Analysis and Quantum Information*, Lecture Notes Series No. 34, pp. 61-95, Institute for Mathematical Sciences, National University of Singapore, World Scientific, 2017. ([PDE](#)).
2. Stein meets Malliavin in normal approximation. *Acta Math. Vietnam.* **40** (2015), 205–230. ([PDF](#)).

3. (With Xiao Fang) On the error bound in a combinatorial central limit theorem. *Bernoulli* **21** (2015), 335-359. ([PDF](#)).
4. (with Guillaume Poly) Stein's method, Malliavin calculus, Dirichlet forms and the fourth moment theorem. In: Z-Q Chen, N. Jacob, M. Takeda and T. Uemura (eds.), *Festschrift Masatoshi Fukushima*, Interdisciplinary Mathematical Sciences **Vol. 17**, pp. 107-130, World Scientific, 2015. ([PDF](#)).
5. (With Andrew D. Barbour) Stein's (magic) method. ([arXiv:1411.1179](#) (2014)).
6. (with Hsien-Kuei Hwang and Vytas Zacharovas) Distribution of the sum-of-digits function of random integers: A survey. *Probab Surv.* **11** (2014), 177–236. ([PDF](#)).
7. (With Xiao Fang and Qi-Man Shao) Moderate deviations in Poisson approximation: a first attempt. *Statist. Sinica* **23** (2013), 1523-1540. ([PDF](#))
8. (With Adrian Röllin) Approximating dependent rare events. *Bernoulli* **19** (2013), 1243-1267. ([PDF](#))
9. (With Xiao Fang and Qi-Man Shao) From Stein identities to moderate deviations. *Ann. Probab.* **41** (2013), 262-293. ([PDF](#))
10. (With Aihua Xia) Poisson process approximation for dependent superposition of point processes. *Bernoulli* **17** (2011), 530–544. ([PDF](#)).
11. (With Hock Peng Chan and Nancy Ruonan Zhang) Importance sampling of word patterns in DNA and protein sequences. *J. Computat. Bio.***17** (2010), 1697-1709. ([PDF](#)).
12. (With Qi-Man Shao) Normal approximation for nonlinear statistics using a concentration inequality approach. *Bernoulli* **13** (2007), 581-599. ([PDF](#), [Long version PDF](#)).
13. (With Aihua Xia) Poisson process approximation: from Palm theory to Stein's method. In: H. C. Ho, C. K. Ing and T. L. Lai (eds.), *Time Series and Related Topics*, [IMS Lecture Notes Monograph Series Vol. 52](#), pp. 236-244, Institute of Mathematical Statistics, Beachwood, Ohio, 2006. ([PDF](#))
14. (With Ming-Ying Leung, K. P. Choi and Aihua Xia) Nonrandom clusters of palindromes in herpesvirus genomes. *J. Computat. Bio.* **12** (2005), 331-354. ([PDF](#))
15. (With A. D. Barbour) The permutation distribution of matrix correlation statistics. In: A. D. Barbour and L. H. Y. Chen (eds.), *Stein's Method and Applications*, Lecture Notes Series **No. 5**, pp. 223-245, Institute for Mathematical Sciences, National University of Singapore, Singapore University Press and World Scientific, 2005. ([PDF](#)) (Copyright (2005) Singapore University Press and [World Scientific Publishing](#))
16. (With Qi-Man Shao) Stein's method for normal approximation. In: A. D. Barbour and L. H. Y. Chen (eds.), *An Introduction to Stein's Method*, Lecture Notes Series **No. 4**, pp. 1-59, Institute for Mathematical Sciences, National University of Singapore, Singapore University Press and World Scientific, 2005. ([PDF](#)) (Copyright (2005) Singapore University Press and [World Scientific Publishing](#))
17. (With T. N. T. Goodman and S. L. Lee) Asymptotic normality of scaling functions. *SIAM J. Math. Anal.* **36** (2004), 323-346. ([PDF](#))
18. (With Aihua Xia) Stein's method, Palm theory and Poisson process approximation. *Ann. Probab.* **32** (2004), 2545-2569. ([PDF](#))
19. (With Qi-Man Shao) Normal approximation under local dependence. *Ann. Probab.* **32** (2004), 1985-2028. ([PDF](#))
20. (With Qi-Man Shao) A non-uniform Berry-Esseen bound via Stein's method. *Probab. Theory and Relat. Fields* **120** (2001), 236-254. ([PDF](#))
21. Non-uniform bounds in probability approximations using Stein's method. In: Ch. A. Charalambides, M. V. Koutras and N. Balakrishnan (eds.), *Probability and Statistical Models with Applications: A Volume in Honor of Theophilos Cacoullos*, pp. 3-14, Chapman & Hall/CRC Press, Boca Raton, Florida, 2000.

22. Stein's method: some perspectives with applications. In: L. Accardi and C. C. Heyde (eds.), *Probability Towards 2000*, Lecture Notes in Statistics **No. 128**, pp. 97-122, Springer, New York, 1998
23. (With M. Roos) Compound Poisson approximation for unbounded functions on a group, with application to large deviations. *Probab. Theory and Relat. Fields* **103** (1995), 515-528.
24. (With A. D. Barbour and K. P. Choi) Poisson approximation for unbounded functions, I: independent summands. *Statist. Sinica* **5** (1995), 749-766.
25. Extending the Poisson approximation. *Science* **262** (1993), 379-380.
26. (With K. P. Choi) Some Asymptotic and large deviation results in Poisson approximation. *Ann. Probab.* **20** (1992), 1867-1876.
27. (With A. D. Barbour and W. L. Loh) Compound Poisson approximation for nonnegative random variables via Stein's method. *Ann. Probab.* **20** (1992), 1843- 1866.
28. (With A. D. Barbour) On the binary expansion of a random integer, *Statist. Probab. Lett.* **14** (1992), 235-241.
29. Comment on "Poisson approximation and the Chen-Stein method" by R. Arratia, L. Goldstein and L. Gordon. *Statist. Sci.* **5** (1990), 429-432.
30. The central limit theorem and Poincare-type inequalities. *Ann. Probab.* **16** (1988), 300-304.
31. (With J. H. Lou) Characterization of probability distributions by Poincaré-type inequalities. *Ann. Inst. H. Poincaré Sect. B (N.S.)* **23** (1987), 91-110.
32. The rate of convergence in a central limit theorem for dependent random variables with arbitrary index set. IMA Preprint Series #243, Univ. Minnesota, 1986. ([PDF](#))
33. Poincaré-type inequalities via stochastic integrals. *Z. Wahrsch. Verw. Gebiete.* **69** (1985), 251-277.
34. An inequality for the multivariate normal distribution, *J. Multivariate Anal.* **12** (1982), 306-315.
35. Martingale convergence via the square function. *Proc. Amer. Math. Soc.* **83** (1981), 125-127.
36. Martingale transform and random Abel-Dini series. *Ann. Probab.* **8** (1980), 475-482.
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