

PUBLICATIONS

Books published

- [1] *Convergence of Stochastic Processes*, Springer-Verlag, New York, 1984.
- [2] *Empirical Processes: Theory and Applications*. Volume 2 of NSF-CBMS Regional Conference Series in Probability and Statistics, IMS, Hayward CA, 1990.
- [3] *Festschrift for Lucien Le Cam: Research Papers in Probability and Statistics*. Coeditor with G. Yang and E. Torgersen. Springer-Verlag, New York, 1997.
- [4] *A User's Guide to Measure Theoretic Probability*. Cambridge University Press, 2001.

Unpublished manuscripts

Topological Measure Theory, with Applications to Probability. Ph.D. Thesis, Australian National University, 1976.

Asymptopia: An Exposition of Statistical Asymptotic Theory

Asymptotics for minimisers of convex processes (with Nils Hjort) 1993.

Introductory probability: notes for an undergraduate probability course (Stat 241/541, fall 2000).

Lectures on Le Cam theory: delivered in Paris, March–May 2001. (Based in part on Asymptopia notes.)

Martingales and stochastic calculus: fall 1995; fall 2001.

Articles published

- [5] R-theory for Markov chains on a topological state space, I. (with R. L. Tweedie). *Journal of the London Mathematical Society (Series 2)* **10**: 389–400, 1975.
- [6] A unified approach to Riesz type representation theorems (with F. Topsøe). *Studia Mathematica* **54**: 173–190, 1975.
- [7] Compact sets of tight measures. *Studia Mathematica* **56**: 63–67, 1 1976.
- [8] R-theory for Markov chains on a topological state space, II (with R. L. Tweedie). *Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete* **34**: 269–278, 1976.
- [9] Induced weak convergence and random measures. *Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete* **37**: 321–328, 1977.
- [10] Techniques for establishing ergodic and recurrence properties of continuous-valued markov chains (with G. M. Laslett and R. L. Tweedie). *Naval Research Logistics Quarterly* **25**: 455–472, 1978.
- [11] Glivenko-Cantelli theorems for classes of convex sets (with J. Elker and W. Stute). *Advances in Applied Probability* **11**: 820–833, 1979.
- [12] Weak convergence on non-separable metric spaces. *Journal of the Australian Mathematical Society (Series A)* **28**: 197–204, 1979.
- [13] General chi-square goodness-of-fit tests with data-dependent cells. *Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete* **50**: 317–331, 1979.

- [14] On the construction of random measures (with J. Strobel). *Bulletin of the Greek Mathematical Society* **20**: 67–80, 1979.
- [15] The minimum distance method of testing. *Metrika* **27**: 43–70, 1980.
- [16] Strong consistency of k-means clustering. *Annals of Statistics* **9**: 135–140, 1981.
- [17] Limit theorems for empirical processes. *Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete* **57**: 181–195, 1981.
- [18] Quantization and the method of k-means. *Transactions on Information Theory* **28**: 199–295 (special issue of invited papers on quantization), 1982.
- [19] Beyond the heuristic approach to Kolmogorov-Smirnov theorems. In *Essays in Statistical Science*, J. Gani and E. J. Hannan, editors, 359–365. (Festschrift for P. A. P. Moran, published as Special Volume **19a** of *Journal of Applied Probability*, 1982).
- [20] A central limit theorem for empirical processes. *Journal of the Australian Mathematical Society* **33**: 235–248, 1982.
- [21] A central limit theorem for k-means clustering. *Annals of Probability* **10**: 919–926, 1982.
- [22] Maximal inequalities for empirical processes. In *Proceedings of the Berkeley Conference in Honor of Jerzy Neyman and Jack Kiefer*, 509–512, L. Le Cam and R. Olshen, eds.. Wadsworth, Belmont, CA, 1984.
- [23] Contribution to discussion of paper by Giné and Zinn. *Annals of Probability* **12**: 995–996, 1984.
- [24] New ways to prove central limit theorems. *Econometric Theory* **1**: 295–314, 1985.
- [25] Contribution to discussion of paper by Le Cam. *Statistical Science* **1**: 94–95, 1986.
- [26] U-processes: rates of convergence (with D. Nolan). *Annals of Statistics* **15**: 780–799, 1987.
- [27] Functional limit theorems for U-processes (with D. Nolan). *Annals of Probability* **16**: 1291–1298, 1988.
- [28] The asymptotics of optimization estimators, with applications to simulated objective functions (with A. Pakes). *Econometrica* **57**: 1027–1058, 1989.
- [29] Asymptotics via empirical processes. *Statistical Science* **4**: 341–356, 1990.
- [30] Cube root asymptotics (with J. Kim). *Annals of Statistics* **18**: 191–219, 1990.
- [31] Bracketing methods in Statistics and Econometrics. *Nonparametric and Semiparametric Methods in Econometrics and Statistics*, 337–355. Cambridge University Press, 1991. (Proceedings of the fifth international symposium in economic theory and econometrics, Duke University, May 1988.)
- [32] Asymptotics for least absolute deviation regression estimators. *Econometric Theory* **7**: 186–199, 1991.
- [33] Comment on paper by Pötscher and Prucha. *Econometric Reviews* **10**: 337–344, 1991.

- [34] An introduction to functional central limit theorems for dependent stochastic processes (with D. Andrews). *International Statistical Review* **62**: 119–132, 1994.
- [35] Uniform ratio limit theorems for empirical processes. *Scandinavian Journal of Statistics* **22**: 271–278, 1995.
- [36] Conditioning as disintegration (with J. Chang). *Statistica Neerlandica* **51**: 287–317, 1997.
- [37] Differentiability in quadratic mean. In: *Festschrift for Lucien Le Cam*, 305–314. D. Pollard, E. Torgersen, and G. Yang, eds.. Springer Verlag, 1997.
- [38] Connecticut juror selection. Report to the Connecticut Public Defender’s Office. Submitted into evidence for *State v. Rodriguez* (1997) and *State v. Gibbs* (1997).
- [39] Disintegration. Article for *Encyclopedia of Statistical Sciences*, 1999. Editors: Kotz and Johnson.
- [40] A Connecticut jury array challenge. In: Gastwirth (ed), *Statistical Science in the Courtroom*, pages 195–225. Springer Verlag, 2000.
- [41] Maximal inequalities via bracketing with adaptive truncation. *Annales de l’Institut Henri Poincaré (B) Probability and Statistics* **38**: 1039–1052, 2002.
- [42] Tusnády’s inequality revisited (with Andrew Carter). *Annals of Statistics* **32**: 2731–2741, 2004.
- [43] Nonlinear least-squares estimation (with Peter Radchenko). *Journal of Multivariate Analysis* **97**: 548–562, 2006.
- [44] Analysis of max-product via local maximizers (with Sekhar Tatikonda and Stephan Winkler). *IEEE International Symposium on Information Theory 2006*, 2689 - 2693.
- [45] A note on Talagrand’s convex hull concentration inequality. *IMS Lecture Notes*, **55**: 196–203, 2007.

Articles submitted

Conditioned Poisson distributions and the concentration of chromatic numbers (with John Hartigan and Sekhar Tatikonda). *Submitted to Random Structure and Algorithms*.