June 2026

VITA

Jayaram Sethuraman
Department of Statistics
Florida State University
Tallahassee, Florida 32306-3033
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Academic Qualifications:

B.Sc.(Hons) (Statistics) Madras University, 1957

M.A.(Statistics) Madras University, 1958

Ph.D. Indian Statistical Institute, 1962

Dissertation: Some results concerning asymptotic distributions and their applications.

Major Professor: R .R. Bahadur.

Personal:

Marital Status: Married

Citizenship: U. S. Citizen

Health: Excellent

Areas of Interest:

Probability, stochastic processes, large deviations, mathematical statistics, statistical inference, reliability, Nonparametric Bayesian analysis, pattern analysis and Image analysis.

Positions Held:

Distinguished Visiting Professor: University of South Carolina, Spring 2008–Spring 2009

Robert O. Lawton Professor Emeritus: Florida State University, 2004–

Fulbright Senior Lecturer, I. I. T. Madras 2005

Robert O. Lawton Distinguished Professor, Florida State University, 1993–2004

Visiting Professor, University of Pittsburgh, Fall 2004

Courtesy Professor, Department of Religion, Florida State University, 2003–

Professor: Florida State University, 1968–2004

Fulbright Senior Research and Teaching Fellow, Indian Statistical Institute, Bangalore Centre, Bangalore, India 1995–96.

ASA/NSF/NIST Senior Research Fellow 1994.

Chairman, Department of Statistics, Florida State University, 1987-1990.

Visiting Professor and Acting Head, I.S.I. Bangalore Centre, Bangalore, 1979–80.

Visiting Professor, Indian Statistical Institute, Fall 1977.

Visiting Professor, University of Michigan, 1974–75.

Associate Professor, Indian Statistical Institute, 1965–68.

Research Associate, Stanford University, 1964–65.

Research Associate, Michigan State University, 1963–64.

Research Associate, University of North Carolina, 1962–63.

Lecturer, Indian Statistical Institute, 1961–62.

Professional Societies:

Life Member, International Indian Statistical Association

Retired Life Member, Institute of Mathematical Statistics

Retired Life Member, American Statistical Association

Elected Ordinary Member, International Statistical Institute

Retired Life Member, American Mathematical Society

Life Member, Indian Statistical Institute

Professional Activities:

Editorial Secretary, *Sankhyā*, 1965-68

Reviewer, *Mathematical Reviews*, 1967-1986.

Associate Editor, *Annals of Mathematical Statistics and Annals of Statistics*, 1970-76

Member, Program Committee for the Eastern Regional Meeting of the IMS, 1971

Member, *Advisory Board of Sankhyā*, 1974-1994

Program Chairman for the 1976 Annual IMS Meeting

Program Committee Member for the 1977 IMS-ISI Meeting at New Delhi, India

Chairman, Committee on Selection of Wald Speaker and Special Invited Papers, IMS, 1979

Assistant Secretary, IMS Eastern Regional Meetings, May 1982

Associate Editor, *Annals of Probability*, 1971-75

President, *FSU Chapter of the Society of Sigma Xi*, 1986-87

Member, *Council of the Institute of Mathematical Statistics* , 1988-91

Member, *Committee on Applied and Theoretical Statistics*, Board of Mathematical Sciences, 1983-92

Editorial Board, *Statistics and Decisions*, 1982-2002

Editorial Board, *Statistics and Probability Letters*, 1987-2001

Editorial Board, *Journal of Statistical Planning and Inference*, 1995-1999

Member: *Scientific Review Committee of the Department of Defense Polygraph Institute*, 1996-

Vice-President: *Florida Chapter of the American Statistical Association* 1997-1999

President: *Florida Chapter of the American Statistical Association* 1999-2001

Chapter representative to the ASA: *Florida Chapter of the American Statistical Association* 2001-2003

Chair of Nomination Committee for the International Indian Statisticians' Association 2001

Consultant to evaluate the Master's program in Statistics at the New Jersey Institute of Technology, 1998

Reviewer of the Statistics and Operations Research Program at Kuwait University, Kuwait, 2004

Reviewer of Fulbright Awards applications in Statistics for the Council for International Exchange of Scholars (CIES), 2014 –

Awards, Honors:

Lifetime Achievement Award, Indian Society for Probability and Statistics, 2024

Noether Senior Scholar Award, American Statistical Association, 2013.

The **Bharghavi and C. R. Rao Prize in Statistics**, 2005.

Awarded **Fulbright Senior Lecturer Award** to lecture at the Indian Institute of Technology, Chennai, India in 2005.

President's Continuing Education Award, FSU 2002.

American Statistical Association Service Award for service to the Florida Chapter of the ASA, 2001.

Professorial Excellence Program Award, Florida State University, 1996.

Teaching Incentive Program Award, Florida State University, 1995.

Awarded **Fulbright Senior Research and Teaching Fellow, 1995-1996** to visit and lecture at the Indian Statistical Institute, Bangalore, India.

Ralph A. Bradley Lecturer for 1995 at the University of Georgia, April 1995.

U. S. Army S. S. Wilks Award for research contributions in statistics, with applications to U. S. Army Research, 1994.

Senior NSF/ASA/NIST Fellow, 1994-1995, visiting the National Institute of Standards and technology, Gaithersburg, MD.

Designated as the **Robert O. Lawton Distinguished Professor, Florida State University** in April 1993.

Principal speaker at the week long conference on "Dirichlet Processes" sponsored by the NSF Conference Board of Mathematics, held at Pennsylvania State University, State College, PA in 1983.

Elected Ordinary Member, International Statistical Institute, 1972

Fellow, American Statistical Association, 1971

Fellow, Institute of Mathematical Statistics, 1968

Research Scholar, Indian Statistical Institute, 1957-61

Holder of the Sir C.P. Ramaswamy Iyer Merit Scholarship, 1954-57

Consulting Experience

Served as a consultant to Planning Department of Orange County, Orlando, FL on a problem concerning fair tax for a new mall, based on a statistical survey of vehicle usage of the new property. (I believe that my report was sufficient for Orange County to collect extra taxes and the case was settled out of court. Otherwise, I would have been asked to testify.)

Research Grants:

Principal Investigator of a grant from the U.S. Army Research Office, Durham. June 1, 1972, to September 15, 1975.
Project Title: Limiting behavior and rates of convergence in probability with applications to statistical inference.

Principal Investigator of a grant from the U.S. Army Research Office, Durham. May 5, 1976 to May 4, 1979.
Project Title: Stochastic Comparisons, Multivariate Life Tables and Rates of Convergence, with Applications to Reliability and Efficiencies.

Principal Investigator of a grant from the U.S. Army Research Office, Research Triangle Park, July 23, 1979 to August 15, 1982.
Project Title: Probability and Statistics in Reliability Theory.

Grant to mentor high school students from the Academy of Applied Sciences, 1981.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the U.S. Army Research Office, Durham, N.C., August 16, 1982 to May 27, 1986.
Project Title: Problems in Reliability, Statistics and Probability.

Grant to mentor high school students from the Academy of Applied Sciences, 1982.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1983.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1984.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1985.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the U.S. Army Research Office, Research Triangle Park, NC, May 29, 1986 to April 27, 1990.
Project Title: Problems in Reliability, Statistics and Probability.

Grant to mentor high school students from the Academy of Applied Sciences, 1986.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1987.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1988.

Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant for research equipment from the U. S. Army Research Office "Computer Equipment to Support DOD Research", 1988.

Grant to mentor high school students from the Academy of Applied Sciences, 1989.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the U.S. Army Research Office, Research Triangle Park, NC, May 1, 1990 to April 30, 1993.

Supplement from he U.S. Army Research Office, Research Triangle Park, NC to the above grant.
Project Title: Problems in Reliability, Statistics and Probability.

Grant to mentor high school students from the Academy of Applied Sciences, 1990.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1991.
Project Title: Probability and Statistics Apprenticeship Program.

FSU Foundation Small Grants to Faculty, 1991.

Grant to mentor high school students from the Academy of Applied Sciences, 1992.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the U.S. Army Research Office, Research Triangle Park, NC, May 1, 1993 to June 30,1996.
Project Title: Some Problems in Reliability, Statistics and Probability.

Grant to mentor high school students from the Academy of Applied Sciences, 1993.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator for an Augmentation Award for Science and Engineering Research Training **(AASERT)** from the US Army research Office, Research Triangle Park, NC, August 1, 1993 to September 30, 1997.

Grant to mentor high school students from the Academy of Applied Sciences, 1994.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1995.

Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 1996.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the U.S. Army Research Office, Research Triangle Park, NC, from February 15, 1997 to September 30, 2000.
Project Title: Some Problems in Reliability, Statistics and Probability.

Grant to mentor high school students from the Academy of Applied Sciences, 1997.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator for an equipment grant from the US Army Research Office entitled "Research on algorithms and performance in Bayesian automatic target recognition" with Anuj Srivastava. March 1, 1997 to February 18, 1999.

Grant to mentor high school students from the Academy of Applied Sciences, 1998.
Project Title: Probability and Statistics Apprenticeship Program.
Supplement to the grant from the U.S. Army Research Office, Research Triangle Park, NC, *Project Title: Some Problems in Reliability, Statistics and Probability*, for paying for a consultant.

Principal Investigator of an equipment research grant entitled "Acquisition of Instrumentation for Research in Image Analysis" from the Multidisciplinary Research Initiative (MRI) of the NSF for equipment for the Laboratory for Computational Vision (with Anuj Srivastava and DeWitt Sumners) from August 15, 1998 till July 31, 1999.

Grant to mentor high school students from the Academy of Applied Sciences, 1999.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 2000.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 2001.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 2002.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 2003.
Project Title: Probability and Statistics Apprenticeship Program.

Grant to mentor high school students from the Academy of Applied Sciences, 2004.
Project Title: Probability and Statistics Apprenticeship Program.

Principal Investigator of a grant from the US Army Research Office, Research Triangle Park, NC entitled "Statistical Problems to Analyze Complex Problems of Interest to the Army" 2004 – 2007.

Grant to mentor high school students from the Academy of Applied Sciences, 2006.

Grant to mentor high school students from the Academy of Applied Sciences, 2007.

Grant to mentor high school students from the Academy of Applied Sciences, 2008.

Grant to mentor high school students from the Academy of Applied Sciences, 2009.

Principal Investigator of grant from DARPA administered by the US Army Research Office entitled "*Complex Statistical Models for Failure Prognosis*" 2009-2010

Principal Investigator of a sub-grant from Northrop Grumman, Long Island, NY in a DARPA grant administered by the Naval Research Office, entitled "*Survivability of Interdependent Systems*" 2010-2011

Publications:

1. Joint Asymptotic Distributions of U-statistics and Order Statistics (1959) *Sankhyā* **21** 289–298 (with B.V. Sukhatme).

2. Some Limit Theorems Connected with Fractile Graphical Analysis (1961) *Sankhyā Ser. A* **23** 79–90.

3. Conflicting Criteria of "Goodness" of Statistics (1961) *Sankhyā Ser. A* **23** 177–190.

4. Some Limit Theorems for Joint Distributions (1961) *Sankhyā, Ser. A* **23** 379–385.

5. Some Results Concerning Asymptotic Distributions and Their Applications (1961) *Unpublished Ph.D. thesis submitted to the Indian Statistical Institute.*

6. Fixed Interval Analysis and Fractile Analysis (1963) *Contributions to Statistics - The Mahalanobis Birthday Volume* 449–470.

7. Some Limit Theorems Connected with Fixed Interval Analysis (1963) *Sankhyā Ser. A* **25** 395–398.

8. On the Probability of Large Deviations of Families of Sample Means (1964) *Annals of Mathematical Statistics* **35** 1304–1316.

9. On the Asymptotic Distribution of the Mean of Distinct Units in Sampling from a Finite Population (1964) *Publications of the Math. Inst. of the Hungarian Academy of Science Ser. A* **9** 113–116 (with P. K. Pathak).

10. On the Probability of Large Deviations for Random Variables in $D[0,1]$ (1965) *Annals of Mathematical Statistics* **36** 280–285.

11. A Characterization of the Three Limiting Types of the Extreme (1965) *Sankhyā Ser. A* **27** 357–364.

12. On the Probability of Moderate Deviations (1965) *Sankhyā Ser. A* **27** 325–346 (with H. Rubin).

13. Bayes Risk Efficiency (1965) *Sankhyā Ser. A* **27** 347–356 (with H. Rubin).

14. Stopping Time of a Rank-Order Sequential Probability Ratio Test for Lehmann Alternatives (1966) *Annals of Mathematical Statistics* **37** 1154–1160 (with I.R. Savage).

15. Stopping Time of a Rank-Order Sequential Probability Ratio Test for Lehmann Alternatives - II (1970) *Annals of Mathematical Statistics 41* 1322–1333.

16. Corrections to "On the Probability of Large Deviations of Families of Sample Means" (1970) *Annals of Mathematical Statistics* **41** 1376–1380.

17. Probabilities of Deviations (1970) *S.N. Roy Memorial Volume* The University of North Carolina Press, 655–672.

18. Pitman Efficiencies of Tests Based on Spacings (1970) *Nonparametric Techniques in Statistical Inference* Ed. M.L. Puri, 405–416 (with J.S. Rao).

19. Asymptotic Distribution of the Log-likelihood Ratio Based on Ranks in the Two-Sample Problem (1972) *Proc. Sixth Berkeley Symp. on Math. Stat. and Prob.* **1** 437–453 (with I.R. Savage).

20. Weak Convergence of Empirical Distribution Functions of Random Variables Subject to Perturbations and Scale Factors (1975) *Annals of Statistics 3* 299–313 (with J.S. Rao).

21. Simple Multivariate Inequalities Using Association (1975) *Theory of Probability and its Applications* **20** 197–198 (with F. Proschan).

22. Schur Functions in Statistics - I; The Preservation Theorem (1977) *Annals of Statistics* **5** 256–262 (with F. Proschan).

23. Schur Functions in Statistics - II; Stochastic Majorization (1977) *Annals of Statistics* **5** 263–273 (with S.E. Nevius and F. Proschan).

24. Stochastic Comparisons of Order Statistics from Heterogeneous Populations, With Applications in Reliability (1976) *Journal of Multivariate Analysis* **6** 608–616 (with F. Proschan).

25. A Stochastic Version of Weak Majorization, With Applications (1977) *Symposium on Statistical Decision Theory and Related Topics II,* Ed. Shanti Gupta 281–296 (with S.E. Nevius and F. Proschan).

26. Functions Decreasing in Transposition and Their Applications in Ranking Problems (1977) *Annals of Statistics* **5** 722–723 (with M. Hollander and F. Proschan).

27. The Limit Distribution of the Renyi Maximum Correlation, With Applications to Contingency Tables and Correspondence Analysis (1977) *Bulletin of the International Statistical Institute* **47 (3)** 701–703.

28. Testing for Agreement Between Two Groups of Judges (1978) *Biometrika* **65** 403–411 (with M. Hollander).

29. Bahadur Efficiencies of the Students' t-tests (1978) *Annals of Statistics* **6** 559–566 (with D.H. Jones).

30. A Simple Model With Applications in Structural Reliability, Extinction of Species, Inventory Depletion and Urn Sampling (1978) *Advances in Applied Probability* **19** 232–254 (with E. El-Neweihi and F. Proschan).

31. A Probability Model for Initial Crack Size and Fatigue Life of Gun Barrels (1978) *Naval Research Logistics Quarterly* **25** 273–277 (with F. Proschan).

32. Characterization of Distributions by Large Deviation Rates (1979) *Hajek Memorial Volume* 229–231.

33. Two Generalizations of Muirhead's Theorem (1977) *Bulletin of the Calcutta Mathematical Society* **69** 341–344 (with F. Proschan).

34. Multistate Coherent Structures (1978) *Journal of Applied Probability* **15** 675–688 (with E. El-Neweihi and F. Proschan).

35. A Comparison of Two Sampling Schemes When Testing a Sample Hypothesis Versus a Simple Alternative (1978) *Sankhyā Ser. A* **40** 333–346 (with J. Lynch).

36. Large Sample Estimates and Uniform Confidence Bounds For the Failure Rate Function Based on a Naive Estimator (1981) *Annals of Statistics* **9** 628–632 (with N.D. Singpurwalla).

37. Decreasing in Transposition Property of Overlapping Sums, and Applications. *Journal of Multivariate Analysis* **11** 50–57 (1981) (with M. Hollander and F. Proschan).

38. Testing of Hypothesis for Distributions in Accelerated Life Tests (1982) *Journal of the American Statistical Association 77* 204–208 (with N.D. Singpurwalla).

39. Convergence of Dirichlet Measures and the Interpretation of Their Parameter. *Statistical Decision Theory and Related Topics - III* Ed. S.S. Gupta and J. Berger, 305–316 (1982) (with R.C. Tiwari).

40. The Extremal Large Deviation of the F-Statistic (1982) *Journal of Statistical Planning and Inference* **6** 301–304 (with L. Barker).

41. A Multivariate New-Better-Than-Used Class Derived from a Shock Model (1983) *Journal of Operations Research* **31** 177–183 (with E. El-Neweihi and F. Proschan).

42. Asymptotic Normality and Efficiencies of Tests Based on Modified Spacings (1984) *Tamkang Journal of Mathematics* **15** 55–76 (with J.S. Rao).

43. Statistically Motivated Proofs of Asymptotic Distributions and Phase Transitions in the Curie-Weiss Model (1984) *Developments in Statistics and its Applications, Proceedings of the First Saudi Symposium on Statistics and its Applications* 143–155 (with Jong Woo Jeon).

44. Large Deviation Local Limit Theorems for Arbitrary Sequences of Random Variables (1985) *Annals of Probability* **13** 97–114 (with N. R. Chaganty).

45. Cumulative Damage Threshold Crossing Models (1986) *Reliability and Quality Control* Ed. A.P. Basu. Elsevier Science Publishers, North Holland, 309–319 (with T.R. Young).

46. Optimal Allocation of Components in Parallel-Series and Series-Parallel Systems (1986) *Journal of Applied Probability* **23** 770–777 (with E. El-Neweihi and F. Proschan).

47. Multidimensional Large Deviation Local Limit Theorems (1986) *Journal of Multivariate Analysis* **20** 190–204 (with N. R. Chaganty).

48. Schur-Ostrowski Theorems for Functionals on $L_1[0,1]$ (1987) *SIAM Journal on Mathematical Analysis* **18** 566–578 (with W. Chan and F. Proschan).

49. Large Deviations for Processes With Stationary Independent Increments (1987) *Annals of Probability* **15** 610–627 (with J.D. Lynch).

50. Limit Theorems in the Area of Large Deviations for Some Dependent Random Variables (1987) *Annals of Probability 15* 628–645 (with N. R. Chaganty).

51. Optimal Assembly of Systems Using Schur-Functions and Majorization (1987) *Naval Research Logistics Quarterly* **34** 705–712 (with E. El-Neweihi and F. Proschan).

52. Stochastic Comparison of Order Statistics, With Applications in Reliability (1988) *Communications in Statistics* **17 (7)** 2151–2172 (with J.S. Kim and F. Proschan).

53. Optimum Allocation in Multistate Systems, With Applications in Reliability (1988) *Handbook of Statistics* Ed. P.R. Krishnaiah **7** 427–433 (with E. El- Neweihi and F. Proschan).

54. Large Deviation Local Limit Theorems for Random Vectors (1989) *Proceedings of the International Conference on Multivariate Analysis* Ed. J. K. Ghosh and S. Dasgupta 97–110 (with N. R. Chaganty).

55. The Price of Bias Reduction When There is No Unbiased Estimate (1989) *Annals of Statistics* **17 (1)** 440–442 (with Hani Doss).

56. Nonparametric Inference under Minimal Repair (1990) *Proceedings of the Thirty-fifth Conference on the Design of Experiments in Army Research and Testing* 103–111 (with Myles Hollander and Brett Presnell).

57. Families of Life Distributions Characterized by Two Moments (1990) *Jour. Appl. Probab.* **27** 720–725 (with Manish Bhattacharjee).

58. The Asymptotic Distribution of the Rényi Maximal Correlation coefficient (1990) *Communications in Statistics* **19** 4291–4298.

59. A Study of the Role of a Module in the Failure of a System (1991) *Probab. Eng. Inform. Sci.*. **5** 215–227 (with Emad El-Neweihi).

60. Convex-Ordering among Functions, with Applications to Reliability and Mathematical Statistics (1991) *Topics in Statistical Dependence* Ed. H. W. Block, A. R. Sampson and T. H. Savits. IMS Lecture Notes – Monograph **16** 121–134 (with W. Chan and F. Proschan).

61. Nonparametric Methods for Imperfect Repair Models (1992) *Annals of Statistics*. **20** 879–896 (with Myles Hollander and Brett Presnell).

62. Order Statistics and Optimal Allocation Problems (1992) *Order Statistics and Nonparametrics: Theory and Applications, Ed. I. Salama and P. K. Sen.* 93–100 (with Emad El-Neweihi).

63. Two Basic Partial Orderings for Distributions Derived from Schur Functions and Majorization (1992) *Current Issues in Statistical Inference in Honor of D. Basu*, Ed. M. Ghosh and P. K. Pathak, IMS Lecture Notes-Monograph Series, **17** 196–207 (with Kumar Jogdeo).

64. The Role of a Module in the Failure of Systems (1993) *Proceedings of the Conference on Stochastic Inequalities. Stochastic Inequalities*, Ed. M. Shaked and Y. L. Tong, IMS Lecture Notes-Monograph Series, **22** 91–99 (with Emad El-Neweihi).

65. Strong Large Deviation and Local Limit Theorems (1993) *Annals of Probability* **21** 1671–1690 (with N. R. Chaganty).

66. Singularity in Gaussian Random Fields (1993) *Journal of Theoretical Probability* **6** 89–99 (with T. V. Kurien).

67. Optimal allocation under partial ordering of lifetimes of components (1993) *Advances in Applied Probability* **25** 914–925 (with Emad El-Neweihi).

68. Easy-to-Apply results for establishing convergence of Markov chains in Bayesian analysis (1993) *Proceedings of the Thirty-eighth Conference on the Design of Experiments in Army Research and Testing* 263–270 (with Krishna B. Athreya and Hani Doss).

69. A mixed limit theorem for stable random fields (1993) *Journal of Multivariate Analysis* **47** 152–162 (with T. V. Kurien).

70. Testing the Minimal Repair Model Assumption in an Imperfect Repair Model (1994) *Journal of the American Statistical Association* **89** 289–297 (with M. Hollander and B. Presnell).

71. The role of a group of modules in the failure of systems (1994) *Probability in the Engineering and Informational Sciences* **8** 89-101 (with A. M. Abouammoh and Emad El-Neweihi).

72. A constructive definition of Dirichlet priors (1994) *Statistica Sinica* **4** 639–650.

73. Reversal of increasing failure rates when pooling failure rate data (1994) *Technometrics* **36** 416–418 (with John Gurland).

74. Mixed limit theorems for pattern analysis (1994) *Journal of Multivariate Analysis* **51** 414–431 (with Ulf Grenander).

75. *Book Review of "Large-Sample Methods in Statistics: An introduction with applications" by Pranab K. Sen and Julio M. Singer* (1995) **90** *Journal of the American Statistical Association* 384.

76. How pooling failure rate data may reverse increasing failure rates (1995) **90** (*Journal of the American Statistical Association* 1416–1423 (with John Gurland).

77. On the Convergence of the Markov Chain Simulation Method (1996) **24** *Annals of Statistics* 69–100 (with Krishna B. Athreya and Hani Doss).

78. Multidimensional Strong Large Deviation Limit Theorems (1996) *Journal of Statistical Planning and Inference* **55** 265–280 (with N. R. Chaganty).

79. Easily Verifiable Conditions for the Convergence of the Markov Chain Monte Carlo Method (1996) *Proceedings of the Eighty-third Indian National Science Congress.*

80. Adaptive Smoothing of Images with Local Weighted Regression (1996) *Statistical and Stochastic Methods for Image Processing, Proceedings of the SPIE Conference***2823** 85–99 (with David Bright and Mark Levenson).

81. Nonparametric Estimation for a General Repair Model (1997) *Annals of Statistics* **25** 1140–1160 (with Crisanto A. Dorado and Myles Hollander).

82. Bahadur slopes for the t-statistic for a contaminated normal (1997) *Statistics and Probability Letters* **34** 245–250 (with N. R. Chaganty).

83. The Large Deviation Principle for common statistical tests against a contaminated normal (1997) *Advances in Statistical Decision Theory and Applications: in honor of Shanti S. Gupta* Ed. Panchapakesan and Balakrishnan, Birkhäuser 239–252 (with N. R. Chaganty).

84. Modern Reliability Models: A Nonparametric Approach (2001) *Proceedings of the 10*$^{\text{th}}$ *International Symposium on Applied Stochastic Models and Data Analysis* (edited by G. Govaert, J. Janssen and N. Limnios) **Vol. 1** 44–47, Compiegne, France (with Myles Hollander).

85. Nonparametric Statistics: Rank-Based Methods (2001) *International Encyclopedia of the Social & Behavioral Sciences* Ed. N. J. Smelser and Paul B. Baltes, Pergamon, Oxford 10673–10680 (with Myles Hollander).

86. Nonparametric Statistics: Advanced Computational Approaches (2001) *International Encyclopedia of the Social & Behavioral Sciences* Ed. N. J. Smelser and Paul B. Baltes, Pergamon, Oxford 10660–10667 (with Myles Hollander).

87. Nonparametric Inference for Repair Models (2002) *Sankhyā, Ser. A* **64** 693-706 (with Myles Hollander).

88. Some extensions of the Skorohod representation theorem (2002) *Sankhyā, Ser. A* **64** 884-893.

89. Nonparametric Methods for Repair Models (2003) in the volume *Survival Analysis, Handbook of Statistics* Ed. C. R. Rao and N. Balakrishnan **23** 747–763 (with Myles Hollander).

90. Are super-efficient estimators super-powerful (2003) *Communications in Statistics* **33** 2003–2013.

91. On counts of random Bernoulli strings and their connections to rank orders and random permutations (2004) *A Feitschrifft for Herman Rubin, IMS Lecture Notes - Monograph Series* **45** 140–152 (with Sunder Sethuraman).

92. On choosing the centering distribution in Dirichlet process mixture models (2004) *Statistics and Probability Letters* **72** 153-162. (with Hanson, Tim and Xu, Ling.)

93. A biography of I. Richard Savage (2005) *Encyclopedia of Statistical Sciences* **11** 7440–7443 (with Myles Hollander and Alan Sampson)

94. Bayesian Methods in Repair Models, (2005) *Proceedings of the International Conference on Degradation, Damage,Fatigue and Accelerated Life Models in Reliability Testing* 217–221, Angers, France. (with Myles Hollander)

95. Imperfect Repair (2007) *Encyclopedia of Statistics in Quality and Reliability - Ruggeri, F., Kenett, R. and Faltin, F. W. (eds)* John Wiley & Sons Ltd, Chichester, UK 843-847. (with Frank J. Samaniego and Myles Hollander)

96. Nonparametric methods for analysis of repair data (2007) *Encyclopedia of Statistics in Quality and Reliability - Ruggeri, F., Kenett, R. and Faltin, F. W. (eds)* John Wiley & Sons Ltd, Chichester, UK 1248–1252 (with Frank J. Samaniego and Myles Hollander)

97. Nonparametric Bayes Estimation in Repair Models (2009) *Jour. Statist. Plan. Inf.* **139** 1722–1733 (with Myles Hollander)

98. Counts of Bernoulli strings via conditional Poisson processes (2009) *Proc. Amer. Math. Soc.* **137** 2125-2134 (with Fred Huffer and Sunder Sethuraman).

99. Connections between Bernoulli strings and random permutations (2010) *The Legacy of Alladi Ramakrishnan in the Mathematical Sciences* Ed. Krishnaswami Alladi, John R. Klauder and Calyampudi R. Rao, Springer-Verlag, New York 389–399 (with Sunder Sethuraman)

100. Moderate Deviations (2011) *International Encyclopedia of Statistical* Ed. Miodrag Lovric, Science Springer-Verlag, Berlin, Heidelberg 847–849.

101. A short proof of the Feigin–Tweedie theorem on the existence of the mean functional of a Dirichlet process (2011) *Nonparametric statistical methods and related topics: A Fetschrift in honor of P. K. Bhattacharya on the occasion of his 80th birthday* Ed. J. Jiang, G. G. Roussas and F. J. Samaniego, World Scientific Publishing Co. 127–136

102. The Department of Statistics at The Florida State University (2011) *Strength in Numbers: The Rising of Academic Statistics Departments in the U.S.* Ed. Alan Agresti and Xiao-Li Meng, *Springer* 51–63, (with Frederick W. Leysieffer)

103. A note on weak convergence (2012) (*Sankhyā, Ser. A*) **74** 269–276 (with R. V. Ramamoorthi and B. V. Rao)

104. Joint distributions of counts of strings in finite Bernoulli sequences (2012) *Jour. of Appl. Probab.* **49** 758–772 (with Fred Huffer)

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Doctoral Students (with Thesis Title):

1. **Dr. A. R. Padmanabhan**: Probabilistic Aspects of Rings of Operators, 1966.

2. **Dr. R. Natarajan**: Some Stochastic Models in Reliability, 1968.

3. **Dr. John E. Conroy**: Bounds and Comparisons of Distributions of Partial Maxima of Independent Identically Distributed Random Variables, 1969.

4. **Dr. Robert Lee Taylor**: Some Weak Laws of Large Numbers for Random Elements in Normed Linear Spaces and their Applications, 1971.

5. **Dr. Robert Lewis Sielken, Jr.**: Sequentially Determined Bounded Length Confidence Intervals for Stochastic Approximation Procedures of the Robbins-Monro Type, 1971.

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10. **Dr. James Lynch**: Contributions to Rates of Convergence, with Applications to Efficiencies of Tests and Estimates, 1974.

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12. **Dr. John C. Conlon**: G-Ordered Functions with Applications in Statistics, 1977 (dissertation directed jointly with F. Proschan).

13. **Dr. Jong Woo Jeon**: Central Limit Theorems in the Regions of Large Deviations with Applications to Statistical Mechanics, 1979.

14. **Dr. Lawrence Barker**: Extremal Problems in Large Deviations and Bayesian Nonparametric Estimation of Functionals of the Density Function, 1979.

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16. **Dr. Narasinga Rao Chaganty**: Large Deviation Local Limit Theorems, with Applications, 1982.

17. **Dr. Wai Tat Chan**: Partial Orderings, with Applications to Reliability, 1985 (dissertation directed jointly with F. Proschan).

18. **Dr. Brett Presnell**: Nonparametric Methods for Imperfect Models, 1989 (dissertation directed jointly with Myles Hollander).

19. **Dr. Thomas R. Young**: A New Family of Survival Functions Derived from a General Cumulative Threshold Crossing Model for Evolving Structural Systems of Improving Components with Biomedical and Accelerated Life Testing Applications, 1990.

20. **Dr. T. V. Kurien**: Limit Theorems for Markov Random Fields, 1991.

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23. **Shau-Ming (Tom) Wu**: Asymptotic Bounds for Markov Modulated Fluid Models, Based on the Large Deviation Principle, 1996.