Curriculum Vitae

August 29, 2014

Name: T. N. Sriram

Contact information:

- Department of Statistics, University of Georgia, Athens, GA 30602-1952.

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- URL: http://www.stat.uga.edu/people/faculty/tn-sriram

Education:

- Ph.D. in Statistics, Michigan State University, 1986. (Title: *Sequential Estimation of Parameters in a First Order Autoregressive Model*; Advisor: Professor Hira L. Koul, Michigan State University).

- M.S. in Statistics, University of Pune, India, 1981.

- B. S. in Statistics with a Minor in Mathematics & Mathematical Economics, Madras Christian College, India, 1979.

Academic and Professional Positions Held:

- Professor and Associate Head, University of Georgia, 2004 - 2006 & 2000 - 2002.

- Professor, University of Georgia, 1999 - Present.

- Associate Professor, University of Georgia, 1992 - 1998.

- Visiting Assoc. Professor, Univ. North Carolina at Chapel Hill, Fall 1992.

- Assistant Professor, University of Georgia, 1987 - 1992.

- Visiting Assistant Professor, Purdue University, 1986 - 1987.

Membership in Societies:

- Institute of Mathematical Statistics

- American Statistical Association

Honors and Awards:

- **Fellow of The American Statistical Association, 2009**. Citation: *"For excellence in research with outstanding contributions to sequential estimation and bootstrap methods for time series and branching processes, and substantive contributions to robustness and dimension reduction; and for excellence in teaching, advising, administration and service to the field."*

- **Special Sandy Beaver Teaching Award, 2004**, University of Georgia, is given in recognition of "Excellence in Teaching", which honors outstanding faculty in the university, who have shown dedication and sustained commitment to high-quality instruction.

Editorial Board & Professional Service:

- **IMS Managing Editor** for all IMS journals: Jan. 1, 2014 - Dec. 31, 2016.

- **Co-Editor** *Springer Festschrift in Honor of Dr. Hira L. Koul* , 2012-Present.

- **Associate Editor**, *Statistics and Probability Letters*, 2002 - 2009.

- **Associate Editor**, *Sequential Analysis*, 1997 - Present.

- **Associate Editor** *Journal of Indian Statistical Association*, 1997 - Present.

Areas of Research:

- **Sequential inference for independent data and dependent data** (e.g. *time series, branching processes with immigration*)

- **Large sample statistical inference** including **bootstrap methods** for *Linear and Non-linear time series*, and single and multi-type branching processes and controlled branching processes

- **Robust estimation methods for mixture models, mixture regression, and partial mixture models**. Used nonparametric, parametric and semi-parametric approaches with extensive illustrations via real data analysis

- **Dimension reduction methods** in time series. Used nonparametric approaches with extensive illustrations via real data analysis

- **Divergence based multivariate association studies**. Used nonparametric approaches with applications to morphometrics

- **Robust dimension reduction methods** in regression, time series, and multivariate association studies. Currently pursuing this line of research using Rényi divergences

- **Sample size determination for classifiers arising in biological studies**. Used parametric approaches and approximations to analyze data arising in bioinformatics. Currently developing approaches for classification to three or more populations

Professional Review Service:

- National Science Foundation Panel Review: Served in 2014.

- National Science Foundation Panel Review: Served in 2009.

- Have also reviewed several NSF and NSA proposals.

- Reviewed promotion folders for at least 5 or 6 candidates going up promotion to Associate or Professor level.

- Served in College and University Promotion and Tenure committees.

- **Book Reviews**: *Sequential Estimation* by Ghosh, Mukhopadyay and Sen, Wiley, New York. JASA Review; *Asymptotics in Statistics* by Le Cam and Yang, Springer. JASA Review. In addition, reviewed books for JSPI, Springer and Wiley.

- **Journal Reviews**: Served as referee for Annals of Statistics, Journal of the American Statistical Association, Journal of Computational and Graphical Statistics, Biometrika, Biometrics, Annals of Institute of Statistical Mathematics, Statistics in Medicine, Sequential Analysis, Statistics and Decisions, Journals of Statistical Planning and Inference, Proceedings of American Mathematical Society, Metrika, Journal of Indian Statistical Association, Statistics and Probability Letters, and several others.

Departmental Administration:

- Served as an Associate Head of the Department from 2000-2002. These years were especially trying times for the department as we did not have a permanent Head. In view of this, duties included many that a Head of the department would have.

- Served as an Associate Head under a permanent Head during 2004-2006.

- Graduate Advisor, University of Georgia, 2000-2002

- Graduate Coordinator, University of Georgia, 1994-1996

Research Grants, Contracts, and Travel grants :

- *PI, National Science Foundation*-DMS, Research Grant, 2013-2016. This is a colloborative research grant with Dr. Ross Iaci at William & Mary.

- PI, Provost Summer 2013 Research Grant & obtained at least three Provost Travel funds.

- PI, Monetary support for "International Workshop in Sequential Methodologies" from the OVPR, President's office, Franklin College, Graduate School, Department of Statistics, and Aptiv Solutions.

- PI, UGA Summer 2012 Innovative Instructional Grant– This award was to introduce an online version of MSIT 3000 into the Statistics curriculum.

- *PI, National Security Agency*, Research Grant, 2011 - 2013 (ended August 2013).

- *PI, National Security Agency*, Research Grant, 2008 - 2010. This is a collaborative research grant with a Health Economist, Dr. Partha Deb, who also received approximately the same amount for the period.

- PI, Coca-Cola Center for Marketing Studies, UGA, Research Grant, 2004 - 2006.

- *Co-PI, National Science Foundation* (with Dr. Gauri S. Datta), Research Grant from SES-MMS division, 2003 - 2007.

- *PI, U.S. Bureau of Labor Statistics*, Contract, 2001 - 2002.

- *PI, National Security Agency*, Research Grant, 1999 - 2002.

- *Co-PI, National Science Foundation SCREMS Grant* (with Lynne Billard and Somnath Datta), 1995 - 1997.

- PI, UGA Faculty Research Grant, 1988 - 1989, 1990 - 1991.

- Many UGA Travel grants.

Publications:

1. Sriram, T. N. (1987). Sequential estimation of the mean of a first order stationary autoregressive process. ***The Annals of Statistics***, **15** 1079-1090.

2. Sriram, T. N. (1988). Sequential estimation of the autoregressive parameter in a first order autoregressive process. ***Sequential Analysis***, **7** 53-74.

3. Sriram, T. N. and Bose, A. (1988). Sequential shrinkage estimation in the general linear model. ***Sequential Analysis***, **7** 149 - 163.

4. Sriram, T. N. (1990). Sequential estimation of ratio of normal parameters. ***Journal of Statistical Planning and Inference***, **26** 305-324.

5. Sriram, T. N. , Basawa, I. V. and McCormick, W. P. (1990). Sequential estimation for dependent observations with applications to non-standard autoregressive processes. **Stochastic Processes and their Applications**, **35** 149-168.

6. Sriram, T. N. (1991). On the uniform strong consistency of an estimator o*f the offspring mean in a branching process with immigration.* **Statistics and Probability Letters**, **12** 151-155.

7. Sriram, T. N., Basawa, I. V. and Huggins, R. M. (1991). Sequential estimation for branching processes with immigration, **The Annals of Statistics**, **19** 2232-2243.

8. Sriram, T. N. (1991). Second order approximations to the risk of a sequential procedure measured under squared relative error loss. **Statistics and Decisions**, **9** 375-392.

9. Mukhopadhyay, N. and Sriram, T. N. (1992). On sequential comparison of means of first-order autoregressive models. **Metrika**, **39** 155-164.

10. Sriram, T. N. (1992). An improved sequential procedure for estimating the regression parameter in regression models with symmetric errors. **The Annals of Statistics**, 20, 1441-1453.

11. Datta, G. S. and Sriram, T. N. (1992). Pitman representations of the best equivariant predictors for regression models with symmetric errors. **Statistics and Decisions**, **10** 367-388.

12. New Researcher's Committee Report (1992). Reader's comments to the New Researcher's Committee Report: Rejoinder. **Statistical Science**, **7** 265-266.

13. Sriram, T. N. (1993). Validity of sequential bootstrap for sub-critical and critical branching processes. **Sequential Analysis**, **12** 247-252.

14. Sriram, T. N. (1994). Invalidity of bootstrap for critical branching processes with immigration. **The Annals of Statistics**, 20, 1012-1023.

15. Datta, S. and Sriram, T. N. (1995). A Modified bootstrap for branching processes with immigration. **Stochastic Processes and Their Applications**, **56** 275-294.

16. Datta, S. and Sriram, T. N. (1997). A modified bootstrap for autoregression without stationarity. **Journal of Statistical Planning and Inference**, **59** 19-30.

17. Rosenberger, W. F. and Sriram, T. N. (1997). Estimation for an adaptive allocation design. **Journal of Statistical Planning and Inference** **59** 309-319.

18. Etemadi, N., Sriram, T. N. and Vidyashankar, A. N. (1997). L_p convergence of reciprocals of sample means with applications to sequential estimation in linear regression models. **Journal of Statistical Planning and Inference**, **65** 1 - 15.

19. Sriram, T. N. (1998). Asymptotic expansions for array branching processes with applications to bootstrapping. *Journal of Applied Probability*, **35**, 12 - 26.

20. Zheng, S., Seila, A. F. and Sriram, T. N. (1998). A sequential fixed-width confidence interval for the product of two means. *Annals of Institute of Statistical Mathematics*, **50** 119 - 145.

21. Zheng, S., Seila, A. F. and Sriram, T. N. (1998). Asymptotically risk efficient two-stage procedures for estimating the product of ($k \geq 2$) means. *Statistics and Decisions*, **16** 369-387.

22. Shete, S. and Sriram, T. N. (1998). Fixed precision estimator of the offspring mean in branching processes, *Stochastic Processes and Their Applications*, **77** 17-33.

23. Lee, S. and Sriram, T. N. (1999). Sequential point estimation of parameters of threshold AR(1) model. *Stochastic Processes and Their Applications*, **84** 343-355.

24. Sriram, T. N. and Vidyashankar, A. N. (2000). Minimum Hellinger distance estimation for supercritical Galton-Watson processes, *Statistics and Probability Letters*, **50** 331-342.

25. Sriram, T. N. and Vidyashankar, A. N. (2000). Sequential point estimation for branching processes-I, sub-critical case, *Sequential Analysis*, **19** 77-92.

26. Sriram, T. N. (2001). Fixed size confidence regions for parameters of threshold AR(1) models, *Journal of Statistical Planning and Inference* **97** 293-304.

27. Sriram, T. N. and Vidyashankar, A. N. (2001). Sequential estimation for supercritical branching processes. *Sequential Analysis*, **20** 263-277.

28. Shete, S. and Sriram, T. N. (2002). A note on estimation in multi-type supercritical branching processes with immigration. *Sankya* **65** 107-121.

29. Zheng, S., Seila, A. F. and Sriram, T. N. (2002). An asymptotically risk-efficient sample allocation procedure for estimating mean waiting time in the $M/M/1$ queue with extension to $M/E_k/1$ queue, *Stochastic Models*, 18, 565 -587.

30. Sriram, T. N. (2002). Book Review: *Asymptotics in Statistics.* 2nd Edition, by Le Cam, L. and Yang, G. *Journal of American Statistical Association*, March 2002.

31. Wei, Xinyu and Sriram, T. N. (2004). Interval estimation approach to counting by weighing: A sequential scheme. *Sequential Analysis*, **23** 285 - 296.

32. Karunamuni, R. J., Sriram, T. N. and Wu, J. (2006). Asymptotic normality of an adaptive kernel density estimator for finite mixture models. **Statistics and Probability letters** 76, 211-220.

33. Karunamuni, R. J., Sriram, T. N. and Wu, J. (2006). Rates of convergence of an adaptive kernel density estimator for finite mixture models. **Statistics and Probability letters**, 76, 221-230.

34. Wei, Xinyu and Sriram, T. N. (2006). Counting by weighing: An alternative sampling scheme. **Sequential Analysis**, **25** 241-255.

35. Lee, S., Sriram, T. N. and Wei, X. (2006). Fixed-width confidence interval based on a minimum Hellinger distance estimator. **Journal of Statistical Planning and Inference**, **136** 4276-4292.

36. Woo, Mi-Ja and Sriram, T. N. (2006). Robust estimation of mixture complexity. **Journal of American Statistical Association**, **101** 1475-1486.

37. Woo, Mi-Ja and Sriram, T. N. (2007). Robust estimation of mixture complexity for count data. **Computational Statistics and Data Analysis**, **51** 4379-4392.

38. Sriram, T. N., Bhattacharya, A., Gonzalez, M. , Martinez, R., del Puerto, I. (2007). Estimation of the offspring mean in a controlled branching process with a random control function. **Stochastic Processes and Their Applications**, **117** 928-946.

39. Xiangrong, Y. and Sriram, T. N. (2008). Common canonical variates for independent groups using information theory. **Statistica Sinica**, 18, 335-353.

40. Iaci, R., Yin, X., Sriram, T. N. and Klingenberg, C. (2008). An informational measure of association and dimension reduction for multiple sets and groups with applications in morphometric analysis. **Journal of the American Statistical Association**, 103, 1166-1176.

41. Umashanger, T. and Sriram, T. N. (2009). L_2 estimation of mixture complexity for count data, **Computational Statistics and Data Analysis**, 53, 4243-4254.

42. Park, J. H., Sriram, T. N. and Yin, X. (2009). Central mean subspace in time series. **Journal of Computational and Graphical Statistics**, 18, 717-730.

43. Park, J. H., Sriram, T. N. and Yin, X. (2010). Dimension reduction in time series. **Statistica Sinica**, 20, 747-770.

44. Iaci, R., Sriram, T. N. and Yin, X. (2010). Multivariate association and dimension reduction: A generalization of canonical correlation analysis. **Biometrics**, 66, 1107-1118.

45. Xinyu, L.*, Wang, Y., Rekaya, R., and Sriram, T. N.** (2012). Sample size determination for classifiers based on single-nucleotide polymorphisms. *Biostatistics*, 13 (2), 217-227. " * " denotes major contributor. "**" denotes major contributor and corresponding author.

46. Umashanger, T., Sriram, T. N., and Lee, J.(2012). Simultaneous robust estimation in finite mixtures: The Continuous case. Editor-Invited article for the Golden Jubilee of *Journal of Indian Statistical Association*, 50, 277-295.

47. Iaci, R. and Sriram, T. N. (2013). Robust Multivariate Association and Dimension Reduction Using Density Divergences. *Journal of Multivariate Analysis*, 117, 281-295.

48. *Contemporary Developments in Statistical Theory: A Festschrift for Hira Lal Koul* (2013). Co-Editors: Soumendra Lahiri; Anton Schick; Ashis SenGupta; and **T.N. Sriram**. Springer. This contains 23 articles by leading statisticians.

49. Sriram, T. N., and Iaci, R. (2014). Editor's Special Invited Paper: Sequential Estimation for Time Series Models. *Sequential Analysis.*, 33, 136-157.

50. Sriram, T. N., and Iaci, R. (2014). Authors' Response to Eight discussion pieces on *Sequential Estimation for Time Series Models*. *Sequential Analysis.*, 33, 194-204.

51. Lee, J., and Sriram, T. N. (2014). On the Performance of L_2E Estimation in Modeling Heterogeneous Count Responses with Extreme Values. *Journal of Statistical Computation and Simulation*, 84, 564-581.

52. Xinyu, L., Wang, Y., and Sriram, T. N. (2014). Determination of sample size for a multi-class classifier based on single-nucleotide polymorphisms: A Volume Under the Surface approach. *BMC Bioinformatics*, 15:190.

53. Sriram, T. N. and Samadi, Yaser S. (2014). A robust sequential fixed-width confidence interval for count data. Submitted.

Research Conference and Symposium:

- Hosted and organized the **Fourth International Workshop in Sequential Methodologies**, Athens, Georgia, July 2013

- Hosted and organized the **Fifth Biennial International Conference on Statistics, Probability and Related Areas of International Indian Statistical Association** at the University of Georgia, May 2004

- Organized an research Symposium titled "**New Directions in Asymptotic Statistics**" on May 15 & 16, 2009 at the University of Georgia, Athens, GA. This symposium was co-sponsored by the **Institute of Mathematical Statistics** and the **National Institute of Statistical Sciences**

Supervision of Student Research:

A. **Masters Students**:

3. Haiming, Wang, Spring 2009. Thesis Title: *A Time Series Analysis of Mortality and Air Pollution in Hong Kong from 1997 to 2007.*

2. Adhikari, Murali, Summer 2004. Thesis Title: *Forecasting Irrigation Water Demand Under Risk and Uncertainty: Econometrics and Time Series Analysis.*

1. Zhang, Jidong, M.S., Fall 2004. Thesis Title: *Time Series Analysis of volatility in Financial Markets in Hong Kong from 1991 to 2004.*

B. **Doctoral Students**:

11. Mr. Xinyu, Liu, Ph.D. May 2013 (Currently employed at Monsanto), Thesis Title: *Sample size determination for classifiers based on single-nucleotide polymorphisms*

10. Jaejun, Lee, Ph.D. 2010 (Currently working for a Federal Agency in Korea), Thesis Title: L_2E *Estimation for Finite Mixture of Regression Models with Applications and* L_2E *with Penalty and Non-normal Mixtures.*

9. T. Umashanger, Ph.D. 2009 (Recently promoted to Associate Professor in the Mathematics Department at Rowan University, New Jersey.) Thesis Title: L_2E *Estimation of Mixture Complexity.*

8. Ross Iaci, Ph.D. 2007 (Currently an Associate Professor of Statistics at William and Mary, Virginia.) Thesis Title: *Multi-Set Association Studies with Applications to Morphometrics.* (Co-director: Xiangrong Yin).

7. Jin-Hong Park, Ph.D. 2007 (Currently an Associate Professor of Statistics at The College of Charleston, South Carolina.) Thesis Title: *Dimension Reduction in Time Series.* (Co-director: Xiangrong Yin).

6. Archan Bhattacharya, Ph.D. 2007 (Currently working in a Consulting firm in India) Thesis Title: *Unified Estimation Theory for Controlled Branching Processes and Bayesian Hypothesis Testing in Zero-Inflated Poisson Regression Model.* (Co-director: Gauri S. Datta).

5. Mi-Ja Woo, Summer 2005 (Was employed at NISS for two years). Thesis Title: *Robust Estimation in Mixture Models and Small Area Estimation using Cross-Sectional Time Series Models.* (Co-advisor: Gauri S. Datta) .

4. Wei, XinYu, Ph.D. 2001 (Currently employed at Celgene, USA) Thesis Title: *Performance of Sequential Sampling Schemes for some Independent and Dependent models.*

3. Smith, David, Ph.D. 2001 (Currently an Associate Professor at Tennessee Tech. University). Thesis Title: *Bayesian and Minimum Hellinger Distance Approaches to Inference with Applications.* (Co-advisor: Dr. Gauri S. Datta).

2. Shete, Sanjay, Ph.D. 1998 (**2012 ASA Fellow**; Currently Professor & Director, Program in Biomathematics and Biostatistics at the UT M.D. Anderson Cancer Center, Texas). Thesis Title: *Estimation Problems in Single and Multi-type Branching Processes and in Physical Mapping of a Chromosome.* (Co-director: Dr. Jonathan Arnold, Genetics).

1. Zheng, Shen, Ph.D. 1996 (Currently employed at Citi Corporation, Illinois). Thesis Title: *Estimation of Product of Means and some Queuing System Performance Measures.* (Co-director: Dr. Andrew, F. Seila, Management Science).

Interdisciplinary Collaborative Research:

- Collaborated with a life scientist, Dr. C. Klingenberg, University of Manchester, UK, on construction of an index for studying overall association between multiple component parts of morphological structures. This work appeared in the December 2008 issue of The *Journal of the American Statistical Association.*

- Collaborated with a Health Economist, Dr. Partha Deb, at the Hunter College, New York, on development of robust estimation methods for finite mixtures to model healthcare use and expenditures, and birthweight. This collaborative research was funded (2008-2010) by the *National Security Agency.*

- Collaborated with a group of Neurophysiologists at the University Mental Health Research Institute, Athens, Greece, on applications of partial mixtures and dimension reduction methods in a schizophrenia detection study involving 2,130 young men in the Greek Air Force.

Consulting Experience:

- Statistical Consultant, Bureau of Labor Statistics, 2001-2002. This involved time series modeling and prediction of U.S. unemployment rates for various Metropolitan statistical areas. This experience was also helpful is writing a grant proposal with a colleague (Dr. Gauri Datta), which was later funded by the *National Science Foundation*, 2003-2007.

- Statistical Consultant, Rhone Meriux, Inc. (now called Merial), 1992-1997. Designed experiments and analyzed many datasets over the five years involving efficacy of flea and tick medications for dogs and cats, and also vaccines for cows. This also included preparing the final statistical report of major clinical trials

Instruction:

- Have over 25 years of experience teaching a variety of Mathematical Statistics and Applied Statistics courses at the undergraduate and graduate levels; these include large lecture undergraduate classes and a Freshman seminar course.

- Introduced the first Online Business Statistics course (MSIT 3000) in the Statistics Curriculum, and taught it during the summer of 2013.

- Introduced a new *Business Statistics* undergraduate course in 2002, which now has an enrollment of over 1200 per year, and introduced two graduate level courses and redesigned several courses during conversion to the semester system.

- Redesigned and taught (2002-2006) an Applied Multivariate Statistics course for Masters in Marketing Research program in the Terry College of Business, UGA

- Have consistently earned very high instructor ratings throughout the career. Therefore, often serve as a teaching mentor for junior faculty.

- Received a prestigious "**Special Sandy Beaver Teaching Award**" at the University of Georgia in 2004.

Special Recognitions:

- Special invited speaker, Conference in honor of Dr. S. Ramanujan, Indian Institute of Technology, Madras, India, 1996.

- Selected member of New Researchers Committee, Institute of Mathematical Statistics, 1990-1992.

Invited Presentations:

- Invited talk at the Seventh International Workshop on Applied Probability (IWAP 2014), Antalya, Turkey, June 2014.

- Invited talk at Department of Mathematical Sciences, University of Nevada, Las Vegas, November 2013.

- Invited talk at the Joint Statistical Meetings in the session titled "Robust Dimension Reduction in Regression using Renyi Divergence," Montreal, Canada, August 2013.

- Organized the *Fourth International Workshop in Sequential Methodologies*, The University of Georgia, Athens, Georgia, July 2013.

- Invited talk and session organizer at the conference on "Statistics, Science, and Society: New Challenges and Opportunities," organized by the International Indian Statistical Association, January 2013.

- Invited talk at ISyE, Georgia Institute of Technology, Atlanta, November 2012.

- Invited talk at the Joint Statistical Meetings in the session titled "Robust Multivariate Association and Dimension Reduction Using Density Divergences," San Diego, CA, August 2012.

- Invited talk at the conference "An International Workshop on Sequential Methods and Their Applications" to be held in University of Rouen, France, June 2012.

- Invited talk and organizing an invited session at the international conference on "Statistical Concepts and Methods for the Modern World", to be held in Sri Lanka, December 2011.

- Invited talk at the Joint Statistical Meetings in the session titled "Some Recent Developments in inference for mixture and linear errors-in-variables models," Miami, Florida, July-August 2011.

- **Plenary speaker** at the *Third International Workshop in Sequential Methodologies*, Stanford University, CA, June 2011.

- Invited talk and organizing an invited session at the International Indian Statistical Association Conference on Probability, Statistics and Data Analysis, to be held in North Carolina State University, April 2011.

- Invited talk at the Joint Statistical Meetings, Vancover, Canada, in the session titled *New Advances in Disparity and Divergence-Based Inference*, August 2010.

- Invited talk at the Conference on *Resampling Methods and High Dimensional Data*, Texas A&M University, March 2010.

- Invited talk at the *Seventh Triennial Symposium on Probability and Statistics*, Kolkata, India, December 2009.

- Chair and discussant at an invited session in the *Joint Statistical Meetings*, Washington DC, August 2009.

- Invited speaker at the *Second International Workshop in Sequential Methodologies*, Troyes, France, June 2009.

- Presented a colloquium talk at Cornell University, September 2008.

- Presented **two** colloquium talks at the University of Pune, India, July 2008.

- Invited speaker at the Conference on *Recent Advances in Statistics* - In honor of Dr. Hira Koul's 65th birthday, May 2008.

- Special Invited talk at the *First International Workshop in Sequential Methodologies*, Auburn, July 2007.

- Organizer and Special invited speaker, Special Invited paper session at the *International Conference on Statistics, Probability and Related Areas*, Cochin, India, January 2-5, 2007.

- Presented an invited talk in University of Central Florida, September 2006.

- Presented an invited talk in University of Extremadura, Badajoz, Spain, June 2006.

- Presented an invited talk at the *Fifth Biennial International Conference on Statistics, Probability and Related Areas*, IISA Conference, UGA, May 2004.

- Presented an invited talk at the *International Conference*, Sri Lanka, December 2004.

- Presented an invited talk at an *International Conference*, India, 2000.

- Presented three lectures in University of Pune, India, during an invited visit, July 1999.

- Minimum Hellinger Distance Estimation for Supercritical Galton-Watson Processes. *Joint Statistical Meetings*. Dallas, Texas, 1998.

- A modified bootstrap for autoregression without stationarity. International Conference organized by International Indian Statistical Association, Hamilton, Canada, October 1998.

- Fixed Precision Estimator of the Offspring Mean in Branching Processes. Joint Statistical meetings, Anaheim, California, 1997.

- Fixed Precision Estimator of the Offspring Mean in Branching Processes. Purdue University, West Lafayette, IN, 1996.

- Sequential Unbiased Estimation of offspring mean in branching processes. University of Florida, Gainesville, FL, 1996.

- Branching processes with immigration, Symposium on mathematical methods and applications, IIT, Madras, India, December 1996. Special invited talk.

- Sequential Bootstrap for Branching Processes with Immigration. Directions in Sequential Analysis: Workshop, Chapel Hill, N.C., 1994

- Sequential Estimation for Branching Process with Immigration and Sequential Bootstrap for Branching Processes. July 18 24, 1992. Invited talk presented as a participant in the IMS AMS SIAM Summer Research Conference II on Adaptive Designs. South Hadley, Massachusetts.

- Fixed Accuracy Estimation of the Offspring Mean in a Branching Process with Immigration, The IMS Regional meeting at Houston, Texas, 1991.

- Sequential Estimation for Branching Processes with Immigration. Florida State University, 1989.

- Sequential Estimation of Ratio of Normal Parameters, ASA Atlanta Chapter, Atlanta, 1988

- Sequential Estimation for Dependent Observations with an Application to Non Standard Autoregressive Processes, The University of Connecticut, Storrs, 1988.

- Sequential Shrinkage Estimation for Linear Models with AR(1) Errors. Invited paper, presented by a co author at the IMS Annual meeting in Washington D.C., 1988.

Departmental and University committees:

- Faculty Recruiting committee, Post-Tenure review committee, Junior faculty mentor committee, College promotion and tenure committee, graduate committee, University promotion committee