Partha Lahiri

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Citizenship: U.S.A.

Education:

Ph.D. (Statistics)	1986	University of Florida, Gainesville, USA
M.Sc. (Statistics)	1981	Calcutta University, India
B.Sc. (Statistics)	1979	Presidency College, India

Current Academic Appointments:

Full Professor	2002-Present	Joint Program in Survey Methodology (JPSM) Department of Mathematics University of Maryland, College Park
Adjunct Research Professor	2005-Present	Institute of Social Research, University of Michigan, Ann Arbor

Employment Background:

Director, Statistics Consortium	2002-2006	University of Maryland, College Park
Director, Division of Statistics	1993-2001	University of Nebraska, Lincoln
Milton Mohr Distinguished Professor of Statistics	2000-2002	University of Nebraska, Lincoln
Full Professor	1998- 2002	University of Nebraska, Lincoln
Adjunct Professor	2001-2002	University of Maryland, College Park
Associate Professor (tenured)	1992-1998	University of Nebraska, Lincoln
Assistant Professor	1986-1992	University of Nebraska, Lincoln
Graduate Consultant	1984-1986	University of Florida, Gainesville
Teaching Assistant	1983-1984	University of Florida, Gainesville

Research Interests:

Bigdata, hierarchical modeling, resampling, small-area estimation, survey sampling, statistical data Integration, statistical genetics, synthetic Data

Awards and Honors:

Fellow, American Statistical Association
Fellow, Institute of Mathematical Statistics
Elected Member, International Statistical Institute
IISA Young Statistician Award
ASA/NSF/BLS & Census Bureau Senior Research Fellow
The 2008 Distinguished Alumni Award Recipient from the Department of Statistics, University of Florida, Gainesville

Grants and Contracts:

a. Current Grants:

1. On Area Specific Uncertainty Measures in Small Area Estimation, PI. Source of Support: National Science Foundation; Total Award Amount: $219,999 Award Period: 10/01/2015-09/30/2018; A PhD student is getting full support from this grant.

2. Feasibility of Synthetic Data for Population-Averaged and Cluster-Specific Analyses by Researchers

Utilizing Integrated State Longitudinal Data Systems. I am serving as a Co-PI on this multi-disciplinary multi-institutional grant and am responsible for developing statistical methodology and supervising a post-doctoral statistics research associate and a graduate student. Source of Support: National Center for Educational Statistics; Total Award Amount (UMD portion): $1,034,797; Award Period: 1/1/2016- 6/30/2020.

b. Past Grants and Contracts

1. U.S. Census Bureau Contract, 2012-2014 ($447,362), PI
2. National Science Foundation, 2009-2013 ($97,543), PI
3. National Institute of Health, 2009-2013 ($156,028), Co-PI
4. U.S. Census Bureau Contract, 2009-2012 ($259,523), PI
5. NASS-USDA, 2009-2012 ($163,000), PI
6. U.S. Bureau of Labor Statistics, 2006-2007, PI
7. U.S. Center for Health Statistics, 2005-2006, PI
8. Center for Excellence in Health Statistics, University of Michigan, Ann Arbor, 2002-2004, PI
9. Gallup Research Grant, 2000-2002, PI
10. National Science Foundation, 1999-2002, PI
11. National Center for Health Statistics, 1998-99, PI
12. National Science Foundation, 1997-2000, PI
13. Nebraska Department of Health and Human Services, 1997-2000, Co-PI
14. National Science Foundation, 1995-1998, PI
15. National Science Foundation (INT), 1995-1997, PI
16. National Science Foundation, 1992-1995, PI
17. National Science Foundation (REU), 1993-1995, PI
18. The U.S. Bureau of Labor Statistics, 1992-1994, PI
19. The U.S. Bureau of Census, 1992, PI
20. Senior Research Fellowship sponsored by the American Statistical Association, the National Science Foundation, the U.S. Bureau of Labor Statistics (1990-91 and 2004-5) and the U.S. Census Bureau, 1990-91, PI

c. Conference Grants

1. National Science Foundation ($15,000), PI. The grant supported 6 US graduate students to attend the ISI Satellite Meeting on Small Area Estimation, Santiago, Chile, August 3-5, 2015.
2. National Science Foundation ($10,000), Co-PI. The grant supported registration fees of 14 graduate students and 10 young researchers from different places in the US to attend the conference on "Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data," May 29-31, 2014.

3. I obtained various grants to organize the international symposium on "Model Selection, Empirical Bayes and Related Topics," Lincoln, March 24-26, 1999. The external agencies that supported the symposium are the United States Postal Service, The Gallup Organization and National Center for Health Statistics.

4. I obtained various grants to organize the international conference on "Current Topics in Survey Sampling," Lincoln, October 24-26, 1997. The external agencies that supported the conference are the Gallup Organization, National Center for Health Statistics, U.S. Census Bureau, NORC at the Univ. of Chicago and National Science Foundation.

Teaching, Mentoring and Advising

a. Courses Taught (1986-present):

Undergraduate Level Courses at the University of Nebraska, Lincoln (UNL):

1. Pre-calculus Introductory Undergraduate Statistics
2. Calculus-based Statistics for Engineers

Graduate and Advanced Undergraduate Level Courses at UNL:

1. Nonparametric Statistics and Sampling
2. Multivariate Statistics and Time Series
3. Mathematical Statistics
4. Regression and Analysis of Variance

Graduate level Courses:

1. Statistical Inference (UNL)
2. Multivariate Analysis (UNL)
3. Bayesian Methods (JPSM)
4. Applied Multivariate, Categorical Data and Time Series (JPSM)
5. Applied Sampling (JPSM)
6. Sampling Theory (JPSM)
7. Regression and Analysis of Variance (JPSM)
8. Statistical Analysis with Missing-Data (JPSM)
9. Record Linkage and Disclosure Avoidance (JPSM)
10. Small-Area Estimation (JPSM)
11. Ph.D. Seminar (JPSM, co-taught with Professor Robert Groves for eight years)

b. Advising

Post Doctoral Supervision:

1. Gauri Sankar Datta; current position: Full Professor, Department of Statistics, University of Georgia, Athens.
2. Wenyu Wang; current position: Adjunct Faculty, University of Oklahoma.
3. Tapabrata Maiti; current position: Full Professor and Graduate Director, Department of Statistics and Probability, Michigan State University, East Lansing.
4. Daniel Bonnéry (current post-doctoral research associate).

Ph.D. Students:

1. Vipin Arora, 1994 (UNL Math/Stat student); current position: Senior Research Advisor at Eli Lilly and Company.
2. Ferry Butar Butar, 1997 (UNL Math/Stat student); current position: Full Professor, Department of Mathematics and Statistics, Sam Houston State University, Texas.
3. Chien-Hua Wu, 1998 (UNL Math/Stat student); current position: Associate Professor, Department of Applied Mathematics, Chung Yuan Christian University, Taiwan, Republic of China.
4. Shu-Mei Wan, 1999 (UNL Math/Stat student); current position: Associate Professor, Department of Finance , Lunghwa University of Science and Technology , Taiwan, Republic of China.
5. Jane Meza, 2000 (UNL Math/Stat student); current position: Senior Associate Dean, College of Public Health, and Professor and Chair, Department of Biostatistics, University of Nebraska Medical Center, Omaha.
6. Shijie Chen, 2001 (UNL Math/Stat student); current position: Associate Director of Biostatistics, PTC Therapeutics, Inc.
7. Paul Hinrichs, 2003 (UNL Math/Stat student); current position: Associate Professor, Science and Technology, Peru State College, Nebraska.
8. Kennon R. Copeland, 2004 (JPSM student); current position: Senior Vice President and Director, Statistics and Methodology, NORC at the University of Chicago.
9. Yan Li, 2006 (JPSM student); current position: Associate Professor, JPSM, University of Maryland, College Park.
10. N. Ganesh, 2007 (UMD Math/Stat student; Co-Advisor); current position: Senior Statistician, Statistics and Methodology, NORC at the University of Chicago.
11. Huilin Li, 2007 (UMD Math/Stat student); current position: Assistant Professor, Division of Biostatistics, Department of Population Health, School of Medicine, New York University.
12. Santanu Pramanik, 2008 (JPSM student); current position: Research Scientist, Public Health Foundation of India.
13. Benmei Liu, 2009 (JPSM student); current position: Mathematical Statistician, National Cancer Institute.
14. Martin Vogt, 2011 (University of Trier, Germany; Co-advisor); current position: Vice President (Risk Management), Deutsche Bank Luxembourg S.A.

15. Julie Gershunskaya, 2011 (JPSM student); current position: Mathematical Statistician, U.S. Bureau of Labor Statistics.

16. Neungsoo Ha, 2013 (UMD Applied Statistics Program); current position: Data Scientist, nielsen.

17. Jan Pablo Burgard, 2013 (University of Trier, Germany; Co-advisor); current position: Assistant Professor, University of Trier, Germany.

18. Masayo Yoshimori, 2014 (University of Osaka, Japan; Co-advisor); current position: Assistant Professor, Institute of Statistical Mathematics, Japan.

19. Taylor Lewis, 2014 (JPSM; Co-advisor); current position: Mathematical Statistician, U.S. Office of Personnel Management, and Adjunct Faculty, Department of Statistics, George Mason University.

20. Zhenyi Xue, 2015 (UMD Applied Stat Program). Dr. Yan Li, my former PhD student and now an Associate Professor in JPSM, and I jointly supervised Zhenyi.

Current PhD Students

21. Judith Law, current student (UMD Applied Stat Program). Judith is working on model selection and is expected to graduate in 2017.

22. William Waldron, current student (UMD Math/Stat Program). William is working on Bayesian ranking procedure for complex data with missing values. He is expected to graduate in 2017.

23. Ying Han, current student (UMD Math/Stat Program). Ying is working on big data.

24. Dilhanie Deepawansa, current student of the University of Colombo, Sri Lanka (Co-advisor). Her dissertation title: "Nature and Magnitude of Poverty in Uva province in Sri Lanka: A Multidimensional Approach."

25. Mokobane Reshoketswe, current student of the University of Limpopo, South Africa (Co-advisor). Her dissertation title: "Modeling service delivery change at ward levels of Limpopo province: water, sanitation, and electricity, 2001-2011."

Doctoral Committee Memberships

I served on the Supervisory Committees of several Ph.D. students, including students from Electrical Engineering, Management, Accounting, Civil and Environmental Engineering, and Nutrition.

Other Graduate Student Advisees

As the Director of the UNL Division of Statistics, I advised all Statistics majors during 1993-2001. At JPSM, I supervised many Master students.

Short Course/Workshop:

1. Instructor, One-day short course on small area estimation, Deagu, South Korea, July, 2016.

2. Instructor, Half-day short course on Big data for Small Area Estimation, American Association for Public Opinion Research (AAPOR) Meeting, Austin, May, 2016.

3. Instructor, two-day short course on small area estimation, ISI Meeting, July, 2015.

4. Instructor, two-day workshop on small area estimation, University of Limpopo, South Africa, May, 2015.

5. Instructor, two-day workshop on sample surveys, Universiti Putra Malaysia, Malaysia, July, 2012.
6. Instructor, two-day workshop on small area estimation, Institute of Employment Research, Nürnberg, Germany, May, 2012.
7. Instructor, two-day workshop on sample surveys and small area estimation, Ministry of Health, Singapore, January, 2012.
8. Instructor, week-long workshop on poverty mapping, Santiago, Chile (supported by UNDP), May, 2011.
9. Instructor, ECAS course on Small Area Statistics, August, 2011.
10. Instructor, American Statistical Association Webinar on small area estimation, 2010.
11. Instructor, week-long training course on small area estimation for the employees of Instituto Brasileiro de Geografia e Estatistica (IBGE), Rio de Janeiro, Brasil, November, 2009.
12. Instructor, one-day training course on small area estimation for Executives of Chinese Government, organized by George Washington University, August, 2009 and July, 2011.
13. Instructor, one-day training course on small area estimation, Q2008, Rome, July, 2008.
14. Instructor, two-day workshop on small area estimation, Imperial College, London, February, 2008.
15. Instruction, one-day short course on Applied Sampling, sponsored by American Statistical Association, 2008.
16. Instructor, one-day short course, Small Area Estimation, 2007, (ISI Satellite Meeting), Pisa, Italy, September 2007.
17. Instructor, one-day short course on small area estimation, Joint Statistical Meetings, Seattle, August 2006.
18. Instructor, two-day short course on small area estimation, Joint Program in Survey Methodology, November, 2001; May 2006.
19. Instructor, two-day workshop on small area estimation, March 2005, ZUMA, Mannheim, Germany.
20. Course Director, United Nations two-week country course on small area estimation, Manila, The Philippines, July, 2004.
21. Instructor, a week long short course on small area estimation, University of Michigan, Ann Arbor, June, 2000 and July, 2002.
22. Instructor, two-day short course on small area estimation, Dipartimento di Scienze Statistiche "Paolo Fortunati", Bologna, Italy, Summer, 1998; June 2002.
23. Lecture series, Case Western Reserve University, June, 2001.
24. Instructor, one-day short course on small area estimation, United States Postal Service, April, 2000.

Service and Outreach

a. Editorships and Editorial Boards:

1. Guest Editor, Journal of the Royal Statistical Society, Series A, special issue on small area estimation, 2015-

2. Associate Editor, Survey Methodology, 1999-
3. Associate Editor Metron, 2007-
4. Co-Editor Sankhya.
5. Associate Editor, Calcutta Statistical Association Bulletin.
6. Associate Editor, Special issue of Statistical Science, May, 2011.
7. Associate Editor, Journal of the American Statistical Association, 2006-2009.
8. Guest Editor, Journal of Statistical Planning and Inference, Vol 112, nos. 1-2, 2003.
9. Editor, IMS Lecture Notes/Monograph on Model Selection, Volume 38, 2001.
10. Guest Editor, Sankhya, Series B, Vol. 61, 1999.

b. Journal Referee/Reviewer for:

1. Annals of Statistics
2. Annals of the Institute of Statistical Mathematics
3. Biometrika
4. Australian and New Zealand Journal of Statistics
5. Canadian Journal of Statistics
6. Communications in Statistics
7. Journal of the American Statistical Association
8. Journal of Statistical Computation and Simulation
9. The American Statistician
10. Journal of the Royal Statistical Society
11. Journal of Statistical Planning and Inference
12. Journal of Multivariate Analysis
13. Metrika
14. Metron
15. Official Statistics
16. Sankhya
17. Survey Methodology
18. Statistics and Medicine
19. Statistica Sinica
20. Statistics and Probability Letters
21. Statistics
22. NSF and NCERC research proposals

c. Professional Service:

Offices and committee memberships held in professional organizations

1. Member, Advisory Board, International Statistical Institute Satellite Meeting on Small Area Estimation, July 10-12, 2017.
2. Member, Scientific Committee, SAE 2016, Maastricht, Netherlands, August 17-19, 2016.
3. Chair, Advisory Board, International Statistical Institute Satellite Meeting on Small Area Estimation, August 3-5, 2015.
4. Chair, Local Organizing Committee, and Member, Scientific Committee, Frontiers of hierarchical modeling in observational studies, complex surveys and big data: a conference honoring Professor Malay Ghosh, College Park, May 29-31, 2014.
5. Co-chair, International Statistical Institute (ISI)- International Association of Survey Statistician (IASS) Satellite Meeting on Small Area Estimation, Bangkok, Sept, 2013.
6. Member, U.S. National Academy of Science Panel on Estimating Children Eligibility for School Nutrition Programs Using the American Community Survey, 2009-2011
7. SPAIG Committee of ASA, 2011-2013
8. ACCE Committee of ASA, 2010-2016
9. Member, Institute of Educational Sciences Panel on Statistics and Modeling Education Research, 2009.
10. Director of Graduate Studies, JPSM, 2011-2013
11. Senator, University of Maryland, College Park, Senate, 2008-2011.
12. Advised German researchers to improve the 2011 German Census.
13. Co-Organizer, Workshop on *Bayesian Methods that Frequentists Should Know*, University of Maryland, College Park, April 30- May 1, 2008. The workshop was co-sponsored by the UMD Statistics Consortium, Institute of Mathematical Statistics, SRMS, WSS and the National Center for Health Statistics.
14. Invited Expert, European Social Survey - 1st Survey Quality Enhancement Meeting, Mannheim, Germany, January 2007
15. Member, ASA Edward C. Bryant Scholarship Committee, 2001-2006; Vice Chair, 2006.
16. ASA Census Advisory Committee, 2002-2007; Chair, 2006.
17. SRMS Representative, IBR/ENAR/IMS Annual Meeting, Tampa, March 2006.
18. Member, International Organizing Committee, International Conference on the Future of Statistical Theory, Practice and Education, Dec 29, 2004- January 1, 2005.
19. Program Chair, Survey Research Section of the ASA for the 2004 JSM meeting.
20. Chair of the Scientific Advisory Committee, IMS/SRMS Joint Mini Meeting, Calcutta, January 2-3, 2004.
21. Member, ASA's SRMS/Govt. Section/Social Science Section Student Paper Competition, 2004.
22. Acted as the Advisor to the Organizer (Dr. Stephen Woodruff, United States Postal Service), 2001 Small-Area Estimation Conference.

23. Organizer, Workshop on Statistical Genetics, Lincoln, October 1-2, 2001.

24. Initiated a proposal to include the University of Nebraska-Lincoln in the JPSM Consortium, 2000.

25. Member of Department's Executive Committee, Graduate Examination Committee, Research Advisory Committee, Curriculum Committee, Statistics Search Committee, 1989-90 and 1992-93; Chair, Statistics Search Committee, 1997-98, 1998-99, UNL

26. Organizer, Symposium on Model Selection, Empirical Bayes and Related Topics, March 24-26, 1999.

27. Co-Organizer, Workshop on Small-Area Estimation and Analysis of Complex Survey Data, Lincoln, September 9-10, 1998.

28. Organizer of the conference on "Current Topics in Survey Sampling," October 24-26, 1997. More than 150 participants from around the world participated in the conference.

29. President, Nebraska Chapter of the American Statistical Association, 1993-94.

30. Vice President, Nebraska Chapter of the American Statistical Association, 1992-93.

31. Director (1993-2001), Division of Statistics: worked with the Chair on matters related to statistics program, worked with the Graduate Chair on graduate admissions, worked with the Vice Chair on statistics course offerings and teaching assignments. Served as the department's statistics representative on the campus.

32. Served as a member of the Advisory Board for the UNL Gallup Research Center, UNL.

33. Served as a member of the Committee to establish the M.S. Program in Survey Research, UNL.

34. Served as a panel member for Texas Board of Higher Education

35. Served as a panel member for a Research Triangle Institute program.

36. Served as a chair and member of several Search Committees at UNL.

Consulting/Advising Activities:

1. United Nations Development Programme (UNDP)

2. World Bank

3. U.S. Census Bureau

4. U.S. Postal Service

5. ZUMA/GESIS (Germany)

6. Gallup Organization

7. Research Triangle Institute

8. WESTAT.

9. Ministerio de Desarrollo Social

Professional Society Memberships:

1. Institute of Mathematical Statistics

2. American Statistical Association
3. International Statistical Institute
4. Indian Society for Probability and Statistics
5. International Indian Statistical Association

Keynote/Plenary Speaker at Professional Meetings:

1. Invited to deliver a keynote address at the International Statistical Institute SAE Satellite Meeting, Paris, July 10-12, 2017.
2. Keynote Speaker, Fourth Baltic-Nordic Conference on Survey Statistics BaNoCoSS-2015, Helsinki, August 24-28, 2015.
3. Plenary Invited Speaker, ISI Satellite Meeting on Small Area Estimation, Santiago, Chile, August, 2015.
4. Plenary Invited Speaker, Recent Advances in Survey Sampling Techniques, Banff, Canada, July25-27, 2014.
5. Keynote Speaker, EUROSTAT Meeting, Brussels, February, 2011.
6. Plenary Speaker, The First international Conference on theory and applications of statistics, Dhaka, December, 2010.
7. A Plenary IASS Special Address, The First International Workshop on Surveys for Policy Evaluation, Natal, Brazil, November, 2009.
8. Keynote Speaker, Third European Small Area Estimation Conference to be held in Elche, Spain, June 29-July 01, 2009.
9. Keynote Speaker, Sixth Annual National Labour Market Information Forum, Fredericton, New Brunswick, Canada, October, 2008.

Invited Speaker/Discussant at Professional Meetings:

1. Invited to deliver a talk on synthetic data for small area estimation at the International Statistical Institute 61st World Congress, Marrakech, Morocco, July 16-21, 2017.
2. Will serve as a discussant for an invited paper session on big data at the International Statistical Institute 61st World Congress, Marrakech, Morocco, July 16-21, 2017.
3. Discussant of keynote speech by Professor Thomas Louis, SAE 2016.
4. InGRID workshop, Livorno, Italy, June, 2015
5. Statistics and Society in the New Information Ages: Challenges and Opportunities, Colombo, Sri Lanka, December 28-30, 2014.
6. Statistics Workshop, W.B. State University, India, December 16, 2014
7. SAE 2014, September 3-5, Poznan, Poland.
8. International Methodology Symposium, Gatineau, Canada, October 29-31, 2014.
9. ASC-IMS Conference, Sydney, July 7-10, 2014
10. Discussant, JSM Meeting, Boston, August 2-7, 2014.

11. International Conference on Recent advances in Mathematical Statistics and its applications in applied sciences, Guwahati, India, December 31, 2012 -January 2, 2013.

12. Joint Statistical Meeting, San Diego, July 29-Aug 2, 2012 (presented by co-author).

13. 40th Annual Meeting of the Statistical Society of Canada, Guelph, Canada, June 3-6, 2012

14. Fields Institute Symposium on the Analysis of Survey Data and Small Area Estimation in honour of the 75th Birthday of Professor J.N.K. Rao, May 29-June 1, 2012

15. The XIII HSE April International Academic Conference on Economic and Social Development, Moscow, Russia, April 3-5, 2012.

16. 22nd Annual Conference of The International Environmetrics Society, Hyderabad, 2012

17. International Sri Lankan Statistical Conference: Statistical Concepts and Methods for the Modern World, Colombo, Sri Lanka, 2011.

18. The 7th Conference on Survey Sampling in Economic and Social Research, 2011, Katowice, Poland

19. International Statistical Institute Meeting, Dublin, 2011

20. Small Area ISI Satellite Meeting, Trier, Germany, 2011

21. ISA International Conference on Statistics, Probability, Operation Research, Computer Science and Allied areas, Visakhapatam, Andhra Pradesh, India, January, 2010.

22. Annual General Meeting of Advanced Survey Research Centre, India, June, 2010

23. Workshop at the West Bengal State University, India, July, 2010

24. Statistics Canada 2010 Methodology Symposium, entitled Social Statistics: The Interplay among Censuses, Surveys and Administrative Data

25. Seventh International Triennial Calcutta Symposium on Probability and Statistics, Kolkata, India, December, 2009.

26. Second Brazilian School on Sampling and Survey Methodology ESAMP II, Natal, Brazil, November, 2009.

27. Conference on Survey Sampling in Economic and Social Research, Katawice, Poland, September, 2009.

28. Small Area Workshop to be held in Germany, June, 2009.

29. Bayesian Statistics and Survey Statistics, Southampton,UK, August, 2008.

30. Special Invited Speaker, Q2008 conference, Rome, July 2008.

31. International Conference, Indian Statistical Institute, Kolkata, January, 2008.

32. CSA Meeting, December, 2007, Kolkata, India

33. International Statistical Institute Satellite Meeting, Pisa, September 2007

34. International Statistical Institute Meeting, Portugal, August 2007

35. International Statistical Institute Satellite Meeting, Azores, Portugal, August 2007

36. Joint Statistical Meeting (JSM), Salt Lake City, July-August 2007

37. Annual Meeting of the Statistical Society of Canada (SSC), June 2007

38. Invited Expert, European Social Survey - 1st Survey Quality Enhancement Meeting, Mannheim, Germany, January 2007

39. IISA Joint Statistical Meeting, Cochin, India, January 2007

40. JSM, Seattle, August 2006

41. International Sociological Association (ISA) World Congress, Durban, South Africa, July, 2006

42. ENAR, March 2006.

43. International Conference honoring Alastair Scott, April, 2005

44. International Conference on the Future of Statistical Theory, Practice and Education, Dec 29, 2004- January 1, 2005.

45. Workshop in ZUMA, Germany, July, 2004.

46. IMS Meeting, Santiniketan, December, 2003

47. International Conference on *Current Advances in Survey Sampling*, Ottawa, Canada, July, 2002.

48. Annual Conference of the International Environmetrics Society, Genoa, Italy, June, 2002.

49. ENAR Meeting, Arlington, March 2002.

50. FCSM Seminar on the Funding Opportunity in Survey Research, Washington, D.C., June, 2001.

51. Small-Area Conference, April, 2001

52. Fourth International Triennial Calcutta Symposium on Probability and Statistics, University of Calcutta, India, December, 2000.

53. AMS Summer Research Conference, 2000.

54. Joint Statistical Meetings, August, 2000

55. Symposium on Selected Topics in Variance Components, January 21-22, 2000, University of Florida.

56. Indian Science Congress, January 3-8, 2000.

57. Presented two invited papers at the International Statistical Institute Meeting, 1999, Helsinki. Also, a discussant of an invited session.

58. Small Area Estimation Conference, organized by the US Census Bureau, Washington, DC, March, 1998.

59. Annual Meeting of the ASA, Dallas, August, 1998.

60. The 3rd International Triennial Calcutta Symposium, December, 1997.

61. International Conference On Recent Advances in Statistics and Probability, December, 1997, Calcutta.

62. IMS Meeting, Taipei, July, 1997.

63. Eugene Lucas Symposium, Bowling Green, April, 1997.

64. Statistical Research in the 21st Century, Montreal, November, 1996.

65. Annual Research Conference of the U.S. Census Bureau, March 17-21, 1996, Washington, D.C..

66. IMS/SSC Meeting, Montreal, Canada, July 9-13, 1995.
67. Workshop on Statistical Issues in Public Policy Analysis, May 8 and 9, 1992, Ottawa, Canada.
68. UGC Conference on Statistical Inference, Pune, India, June, 1989.
69. Science Congress, Madurai, India, January, 1989.

Colloquium Talks:

1. Australian Bureau of Statistics
2. Beijing University
3. Bellcore
4. Calcutta University, India
5. Case Western Reserve University
6. Columbia University
7. CORE and Institute De Statistique, Belgium
8. University of Durham, U.K.
9. Gallup Organization
10. Department of Statistics, Harvard University, Boston
11. Imperial College
12. Iowa State University
13. Indian Statistical Institute, Kolkata
14. Kuwait University
15. New York University
16. Oregon State University
17. Penn State University
18. Presidency College, Calcutta
19. Purdue University
20. National Cancer Institute.
21. Renmin University, China
22. Sam Houston State University
23. Statistics Canada
24. Statistics New Zealand
25. Statistics Norway
26. Statistics South Africa
27. Temple University

28. Texas A & M University
29. University of Auckland, New Zealand
30. University of Bergamo, Italy
31. University of Bologna, Italy
32. University of Cape Town
33. University of Chicago
34. University of California, Davis
35. University of Connecticut, Storrs
36. University of Florida, Gainesville
37. University of Helsinki, Finland
38. University of Maryland Baltimore County
39. University of Maryland, College Park
40. University of Mannheim, Germany
41. University of Southampton
42. University of New South Wales. Australia
43. University of South Carolina
44. University of Sydney
45. University of Western Cape
46. University of Wits
47. University of Wollongong, Australia
48. U.S. Bureau of Labor Statistics
49. U.S. Census Bureau
50. Westat
51. Wharton School, University of Pennsylvania
52. ZUMA (Germany)

Research Related Activities:

1. Visited Statistics Netherlands, August, 2016.
2. Attended South Big Data Hub workshop, 2015.
3. Co-Organizer of an invited session, 57th Session of the International Statistical Institute, Durban, South Africa, August, 2009.
4. Organizer of an invited session, CAPS2008 conference, Hanoi, Vietnam, Nov 30 - Dec 3, 2008.
5. Co-Organizer of an invited session on small area, JSM 2005

6. Co-Organizer of two invited sessions, International Conference on the Future of Statistical Theory, Practice and Education, Dec 29, 2004- January 1, 2005.

7. Organizer of six roundtable luncheons sponsored by ASA's SRMS, JSM 2003, San Francisco.

8. Gallup Research Professor, 1997-98.

9. Former Senior Research Scientist, The Gallup International Research and Educational Center.

10. Guest Professor, ZUMA (Germany) for four weeks in summer, 1998 and a week in 2003.

11. Visited Dipartimento di Scienze Statistiche "Paolo Fortunati", Bologna, Italy, for a week in summer, 1998. Offered a short course on *Small-Area Estimation*.

12. Visited the Department of Economics, the University of Auckland (New Zealand), Nov. 17, 1997 - Dec. 1997.

13. Faculty Development Leave, 1995-96 (supported by the University of Nebraska-Lincoln, National Science Foundation, Gallup Organization, Health and Welfare Canada, Indian Institute of Management and the Indian Statistical Institute.) During the sabbatical year I visited the Indian Institute of Management, Indian Statistical Institute, CORE and Institute De Statistique (Belgium), National University of Singapore, University of Auckland, Statistics New Zealand, University of Sydney, University of New South Wales, The Australian Bureau of Statistics, University of Southampton, Imperial College, University of Durham.

14. Chaired an invited session at the IMS/SSC Meeting, Montreal, Canada, July 9-13, 1995.

15. Discussion leader at the round table luncheon on Bayesian methods in small area estimation, Joint Statistical Meetings, Dallas, August, 1998.

16. Discussion leader at the round table luncheon on small area estimation, Joint Statistical Meetings, Atlanta, August, 1991. Invited talk sponsored by the Washington Statistical Society, June, 1991 and June, 1995.

17. Discussant (invited), Joint Statistical Meetings, Boston, August, 1992.

18. Chaired an invited session at the International Symposium on Nonparametric Statistics & Related Topics, Ottawa, Canada, May, 1991.

19. Chaired a session at the U.G.C. Seminar on Statistical Inference, Pune, India, June, 1989.

20. Partial leave for the Spring semester of 1989 from the Dept. of Math./Statistics, UNL to visit Carleton University, Canada. (The visit was jointly funded by the Dept. of Math./Statistics, UNL and a research grant of Professor J.N.K. Rao with the Natural Sciences and Engineering Research Council of Canada).

Research, Scholarly and Creative Activities:

a. Special Issues/Mongraphs Edited

1. Edited (jointly with Eric Slud) a special issue of Statistical Science (Vol. 26, 2011) on "Bayesian methods that frequentist should know."

2. Edited two specials issues (Vol 112, nos. 1-2, 2003) of Journal of Statistical Planning and Inference. These two issues contain both theoretical and applied papers on Model Selection, Model Diagnostics, Empirical Bayes and Hierarchical Bayes.

3. Edited IMS Lecture Notes/Monograph on Model Selection, Volume 38, 2001. This volume features four long review papers (with discussions) by (i) C. R. Rao and Y. Wu, (ii) H. Chipman, E. I. George, and R. E. McCulloch, (iii) J. O. Berger and L. R. Pericchi and (iv) B. Efron and A. Gous.

4. Edited (jointly with J. K. Ghosh) a special issue of Sankhya on Sample Surveys (Series B, Vol. 61, 1999)

b. Book Chapters

1. Erciulescu, A. L. Franco, C. and Lahiri, P. (2016), Use of Administrative Records in Small Area Estimation, In Administrative records for survey methodology, Wiley Series in Survey Methodology, eds. Asaph Young Chun and Michael Larsen, forthcoming.

2. Casas-Cordero, C., Encina, J. and Lahiri, P. (2015). Poverty Mapping for the Chilean Comunas, In Analysis of Poverty Data by Small Area Estimation, ed. Monica Pratesi, Wiley Series in Survey Methodology.

3. Gershunskaya, J.*, Jiang, J. and Lahiri, P. (2009), Resampling methods in surveys, Sample Surveys: Inference and Analysis, Vol. 29B, 121-152.

4. Lahiri, P. and Meza, J.* (2002), Small-Area Estimation, Encyclopedia of Environmetrics (A. H. El-Shaarawi and W. W. Piegorsch, eds.), 4, 2010-2014, Wiley.

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2. Kandari, N. and Lahiri, P. (2016), Prediction of a function of misclassified binary data, *Statistics in Transition new series*, Vol. 17, No. 3, 429-447.

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4. Lahiri, P. and Suntornchost, J.* (2015) Variable Selection for a Regression model when dependent variable is subject to measurement errors, Sankhya, Series B. DOI 10.1007/s13571-015-0096-0

5. Yoshimori, M.* and Lahiri, P. (2014), A second-order efficient empirical Bayes confidence interval, The Annals of Statistics, Vol. 42, No. 4, 1233-1261 DOI: 10.1214/14-AOS1219.

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d. Professional Publications:

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2. Hawala, S. and Lahiri, P. (2012) Hierarchical Bayes Estimation of Poverty Rates, Proceedings of the Survey Research Methods Section, American Statistical Association.

3. Yoshimori, M.* and Lahiri, P. (2012) A New Adjusted Maximum Likelihood Method in Small-Area Estimation, Proceedings of the Survey Research Methods Section, American Statistical Association.

4. Bellow, M. and Lahiri, P. (2012) Evaluation of Methods for County Level Estimation of Crop Harvested Area That Employ Mixed Models, ICES Proceedings.

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9. Hawala, S. and Lahiri, P. (2010) Variance Modeling in the U.S. Small Area Income and Poverty Estimates Program, Proceedings of the Survey Research Methods Section, American Statistical Association, 4655-4663.

10. Lahiri, P. and Pramanik, S.* (2010) Estimation of Average Design-based Mean Squared Error of Synthetic Small Area Estimators, Proceedings of Statistics Canada Conference, American Statistical Association.

11. Henry K, Lahiri, P. and Scali, J. (2009) Using Sample Data to Reduce Nonsampling Error in State-Level Estimates Produced from Tax Records, Proceedings of the Section on Survey Research Methods, American Statistical Association, 3571-3585.

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Work In Progress

a. Book

Small-area estimation (to be published by the Cambridge University Press)

b. Papers Submitted for Review

1. Hiroshi, M. and Lahiri, P. (2016), Variance Component Estimation For Achieving Multiple Goals, submitted.
2. Gabler, S., Ganninger, M. and Lahiri, P. (2016), Estimation of small positive intra-cluster correlation, under revision.
3. Gabler, S., Ganninger, M. and Lahiri, P. (2016) A New Approximation to the True Randomization-based Design Effect, under revision.
4. Lahiri, P. and Pramanik, S.* (2016), Estimation of Average Design-based Mean Squared Error of Synthetic Small Area Estimators, under revision.
5. Bonnery, D.**, Cheng, Y., and Lahiri, P. (2016),Multivariate composite estimation with an application to the U.S. Labor Force Statistics, under revision.
6. Gershunskaya, J.* and Lahiri, P. (2015), Robust Empirical Best Small Area Finite Population Mean Estimation Using a Mixture Model, submitted.
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