

2007.9.15

JAI Won CHOI

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EDUCATION

Ph.D.1980 University of Minnesota, Minneapolis, MN. Major: Biostatistics
M.A. 1970 University of Minnesota, Minneapolis, MN. Major: Statistics
B.S. 1966 California Baptist University, Riverside, CA. Major: Mathematics
(Magna Cum Laude)
B.A. 1959 Yosei Univerity, Seoul, Korea. Major: English Literature

EMPLOYMENT

2008.1.1-present: Professor, Medical College of Georgia, 1120 15th Street, Augusta GA
1979.11-2007.12: Mathematical Statistician, Office of Research and Methodology, National
Center for Health Statistics, CDC, U.S. DHHS,
3311 Toledo Road, Hyattsville, MD 20782. 40 hrs/wk, Supervisor:
Meena Khare 301-458-4497
1976.04-1979.10: Health Statistician, Division of Health Interview Statistics,
NCHS, CDC, U.S. DHHS, same as above. 40 hrs/wk, Supervisor: Kinzo
Yamamoto, passed away
1972.12-1974.08: Statistician III, Vital Statistics, Ohio Department of Health,
Columbus, Ohio. 40hrs/wk, Supervisor: Mary Smith, lost contact
1971.06-1972.12: Data Manager, Parkinson Laboratory, Neurology Department,
VA Hospital, Minneapolis, Minnesota. 40 hrs/wk, Supervisor: David
Webster, Passed away.
1961.06-1963.12: English Teacher, Kyungsin High School, Haewha-dong, Seoul, Korea.
Full time, Supervisor: Ha Young Lee, passed away
1961.04-1961.06: English Teacher, O-San High School, Bo-Kwang-dong, Seoul, Korea
Full time, Supervisor: Ky Yong Zu, passed away

EDITORIAL WORK

2002.11-present: Editorial Board Member for the Journal of Modern Statistical Method

HONORS AND AWARDS

(2007.06.07) Best Theoretical Statistical Paper Award of CDC/ATSDR, first place
(2007.06.07) Best Applied Statistical Paper Award of CDC/ATSDR, second place
(2006.06.23) 2006 Statistical Science Award, second place for the Best Applied
Statistics Paper of the Center for Disease Control and Prevention/Agency
for Toxic Substance and Disease Registry (CDC/ATSDR)
(2005.02.04) Alumnus of the year, California Baptist University, Riverside, CA 92504
(2005.06.16) 2005 Statistical Science Award, second place for the Best Applied Paper of
CDC/ATSDR
(2004.08.10) Fellow of American Statistical Association for outstanding contribution to
statistical sciences
(2003.06.03) Best Applied Statistical Paper Award of CDC/ATSDR, first place
(2003.06.03) Best Applied Statistical Paper Award of CDC/ATSDR, second place
(2003.06.03) Best Theoretical Statistics paper Award of CDC/ATSDR, second place
(1999-2007) Cash Award for Outstanding Job Performance (in each of these years)
(1990) Best Statistical Paper award of CDC/ATSDR (only one awarded at the time)
(1980) National Center for Health Statistics Director's Award for outstanding
methodological research
(1974-75) U.S. Public Health Service Traineeship, Biostatistics Department,
University of Minnesota, Minneapolis MN
(1965-66) Listed in Who's Who among students in American Universities and Colleges
(1965-66) Dean's and Presidents's Honor Student, Academic Scholarship
(1962) Best teacher award at Kyungsin High School, Seoul, Korea

PUBLICATIONS

(2007) "Robust Bayesian Predictive Inference for the Finite Population Quantile of
a Small Area", with Balgobin Nandram. Submitted to *Journal of Nonparametric
Statistics*
(2007) "A Dynamic Bayesian Model for Incomplete Multinomial Time Series" with Yousung
Park and Boseung Choi. Submitted, *Survey Methodology*
(2007) "Bayesian Assessment of Obesity among Children and Adolescents from Small Domain
under Nonignorable Nonresponse" with Balgobin Nandram. Under review, *Journal of
American Statistical Association*
(2007) "Bayesian Methods for Incomplete Two-way Categorical Tables with Application to
the Buckeye State Polls" with Yousung Park, Bo-Seung Choi. Under review. *Survey*

- Methodology*
- (2007) ``Bayesian Simulation Intervals for Small Areas: An Application to Variation in Maps" with Erik Erhardt and Balgobin Nandram. Under review. *Journal of Statistical Planning and Inference*
- (2007) ``A Bayesian Prediction for Undecided Voters" with Balgobin Nandram. Accepted. *Survey Methodology*
- (2007) ``A Bayesian Control Chart for a Passivation Process", with Nandram B and Ramirez B. *Case Studies in Business, Industry, and Government Statistics*, (1):61-70
- (2007) ``Alternative Test of Independence in Two-Way Categorical Tables" with Balgobin Nandram. *Journal of Data Science*, 5(2007), 217-237
- (2006) ``Bayesian Predictive Inference Under Informative Sampling and Transformation" with Balgobin Nandram, Gang Shen, and Corinne Burgos. *Applied Stochastic Models in Business and Industry*, 2006; 22:559-572
- (2006) ``A Parametric Approach for the Effects of the 10th ICD Revision on Mortality" with YouSung Park. *Applied Statistics*, (JRSS, C)(2006) 55, Part 5, 677-697
- (2006) ``Forecasting Cause-Age Specific Mortality Using Two Random Processes" with YouSung Park and HeeYoung Kim. *Journal of American Statistical Association*. Vol.101, No. 474, June 2006, 472-483
- (2006) ``A Balanced multi-level rotation sampling design and its efficient composite estimators" with YouSung Park and Kee Whan Kim. *Journal of Statistical Planning and Inference*. 137 (2007) 594-610
- (2006) ``A Bayesian Analysis of Two Way Categorical Table Incorporating Intraclass Correlation" with Balgobin Nandram. *Journal of Statistical Computation and Simulation*, Vol. 76, No. 3, March 2006, 233-249
- (2005) ``Bayesian Analysis of Nonignorable Missing Categorical Data: An Application to Bone Mineral Density and Family Income" with Balgobin Nandram, and Larry Cox. *Survey Methodology*, December, Vol. 31, No. 2, 213 - 225
- (2005) ``Hierarchical Bayesian Nonignorable Nonresponse Regression Models for Small Areas: An application to the NHANES III Data" with Balgobin Nandram. *Survey Methodology*, Vol. 31, No. 1, 73-84
- (2005) ``Bayesian Nonresponse Models for Categorical Data from Small Areas: An Application to BMD and Age" with Balgobin Nandram, Ning Liu, and Lawrence Cox. *Statistics in Medicine*, 24: 1047-1074
- (2005) ``A Comparison of the Choropleth Maps for Disease Mapping" with Balgobin Nandram and Jie Liu. *Journal of Data Science*, Vol. 3, No. 1, 47-68
- (2004) ``Nonparametric Bayesian Analysis of a Proportion under Nonignorable Nonresponse" with Balgobin Nandram. *Journal of Nonparametric Statistics*, Vol.16, No.6, 1-19
- (2004) ``Simultaneous Concentration Bands for Continuous Random Samples" with Balgobin Nandram. *Statistica Sinica*, Vol.14, No.4, 1209-1219
- (2003) ``Nonparametric Study of Proportion in Small Areas with Nonignorable Nonresponse" with Balgobin Nandram. *Technical Report*, No. 386, 171-180, Carleton University
- (2003) ``Bayes Empirical Bayes Estimation of a Proportion under Nonignorable Nonresponse" with Balgobin Nandram. *Journal of the Korean Statistical Society*, Vol. 32, No. 2, 121-150
- (2002) ``A Hierarchical Bayesian Nonignorable Nonresponse Model for Multinomial Data from Small Areas" with Balgobin Nandram, and Geunshik Han. *Survey Methodology* Vol. 28, No. 2, 145-156.
- (2002) ``A Hierarchical Bayesian Nonresponse Models for Binary Data from Small Areas with Uncertainty about Ignorability" with Balgobin Nandram. *Journal of American Statistical Association*, Vol. 97, No. 458, 381-388.
- (2002) ``A Bayesian Analysis of a Proportion under Nonignorable Nonresponse" with Balgobin Nandram. *Statistics in Medicine*, 21:1189-1212.
- (2001) ``One-level Rotation Design Balanced on Time in Monthly Sample and Rotation Group" with YouSung Park, and KeeWhan Kim. *Journal of American Statistical Association*, Vol. 96, No. 456, 1483-1496
- (2000) ``On the autocovariance function on INAR(1) process with a Negative Binomial or Piosson marginal" with YouSung Park and Heeyoung Kim. *Journal of the Korean Statistical Society*, Vol. 29, No. 3, 269-284.
- (1999) ``Relative Risk of Involuntary Injuries Among Employed Adults in the USA" with Ki Moon Bang and Robert A. Wright. *Human and Ecological Risk Assessment*, Vol. 6, 1353-1370
- (1990) ``The U.S. Health Survey System", *The 1990 Journal of the Korean Public Health Association*, 10-20
- (1989) ``An Adjustment Factor for Goodness of Fit and Independence Test for Correlated and Weighted Observations" with Richard B. McHugh. *Biometrics*, 45, 979-996

PROCEEDINGS AND OTHERS:

- (2006) "Bayesian Estimation of the Percentiles of Overweight" with Balgobin Nandram. Section of Survey Research Method, Submitted to the 2006 ASA Proceeding of the Section on Survey Research Methods. Paper presented at 2006 ASA JSM in Seattle, Monday, August 7, 2006
- (2006) ``Bayesian Assessment of Obesity Among Children and Adolescents from Small Domain Under Nonignorable Nonresponse" with Balgobin Nandram. Submitted to 2006 ASA Proceedings on the Section of Bayesian Statistical
- (2006) ``A Bayesian Analysis of Two way categorical Data from Small Areas Incorporating Intraclass Correlation" with Balgobin Nandram. 2005 ASA Proceedings of the Section on the Bayesian Statistical Science, 121-130 (CD). Paper presented at 2005 JSM in Minneapolis, August 7, 2005
- (2006) ``Bayesian Regression Model of Nonignorable Nonresponse Models" with Balgobin

- Nandram. 2005 ASA Proceedings of the Section on the Bayesian Statistical Science, 3427-3438 (CD). Paper presented at the 2005 ASA JSM in Minneapolis, August 8, 2005
- (2005) ``A Bayesian Prediction for Undecided Voters" with Balgobin Nandram. 2004 ASA Proceedings of the Survey Research Methods (CD) with Balgobin Nandram. Paper presented at 2004 ASA JSM, Toronto, on August 5, 2004
- (2004) ``A Bayesian Alternative to the Chi-Squared Test of Association in a Two-Way Categorical Table with Intra-Class Correlation" with Balgobin Nandram. 2003 Proceedings of the Section on the Survey Research Methods (CD). Paper presented at ASA JSM, San Francisco, on August 3, 2003
- (2003) ``Bayesian Analysis of Nonignorable Missing Categorical Data: An Application to Bone Mineral Density and Family Income" with Balgobin Nandram and Lawrence Cox. 2003 Proceedings of the Federal Committee of Statistical Methodology Research Conference. Paper presented at Sheraton Crystal City Hotel, Arlington, Va., Nov. 17, 2003
- (2003) ``Nonparametric Bayesian Analysis of a Proportion under Nonignorable Non-response" with Balgobin Nandram. 2002 ASA Proceedings of the Section on the Bayesian Statistical Science. Paper presented at ASA JSM, New York, NY, August 12, 2002
- (2003) ``Changes in COPD Mortality for older age group (45+ years): United States" with Jay H. Kim. 2002 ASA Proceedings of the Section on Epidemiology (CD). Paper presented at ASA JSM, New York, NY, in August 11, 2002
- (2002) ``Chronic Obstructive Pulmonary Disease Mortality Changes: 1983-1997" with Jay H. Kim and Jimmie Givens. 2001 ASA Proceedings of the Section on Epidemiology (CD). Paper presented at 2001 JSM meeting in Atlanta, Georgia
- (2002) ``A Bayesian Analysis of a Proportion Under Nonignorable Nonresponse" with Balgobin Nandram, 2001 ASA Proceedings of the Section on the Survey Research Methods (CD). Paper presented at 2001 JSM meeting in Atlanta, Georgia
- (2001) ``A Bayesian Analysis of Proportion under Nonignorable Nonresponse" with Balgobin Nandram. Proceedings of the 53rd Session of the ISI Meeting, 435-436, paper presented at the ISI meeting in Seoul, Korea
- (2001) ``The Necessary and Sufficient Condition for 3-way Balanced Multi-level Rotation Sampling Design" with YouSung Park and NaYoung Kim. Proceedings of the 53rd Session of the ISI Meeting, 361-362, paper presented at the ISI meeting in Seoul, Korea
- (2001) ``A Generalized Regression Model for Data Acquired from Three Random Processes" with YouSung Park. Proceedings of the International Conference on Recent Advances in Biostatistics, 145-164. paper presented at the ISI Satellite meeting in Daejun, Korea
- (2001) ``A Hierarchical Bayesian Inference for the Mean Body Mass Index of the U.S. Population via a Nonignorable Nonresponse Regression Model" with Balgobin Nandram and Myron Katzoff. Proceedings of the International Conference on Recent Advances in Biostatistics, 137-141. paper presented at the ISI Satellite meeting in Daejun, Korea
- (2001) ``A Hierarchical Bayesian Multinomial Model with Nonresponse" with Geunshik Han and Balgobin Nandram. ASA 2000 Proceedings of the section on Survey Research Method. 209-214, paper presented at 2000 JSM in Indianapolis, Indiana
- (2001) ``Bayes Empirical Bayes Estimation of a Proportion under Nonignorable Nonresponse" with Balgobin Nandram. ASA 2000 Proceedings of the section on Survey Research Methods, 215-220, paper presented at 2000 JSM in Indianapolis, Indiana
- (2001) ``A Hierarchical Bayesian Nonresponse Model for Binary Data with Uncertainty about Ignorability" with Balgobin Nandram, ASA 2000 Proceedings in the section of Bayesian Statistics, 574-579, paper presented at 2000 JSM in Indianapolis, Indiana
- (2000) ``A Measure of Concordance When There are Many Traits" with Balgobin Nandram. ASA 1999 Proceedings of the section on Survey Research Method, 837-842, paper presented at JSM, Baltimore, MD
- (1999) ``Relative Risk and its Variance from Weighted and Correlated Data", ASA 1998 Proceedings of the section on Social Statistics
- (1999) ``Generalized Semi One-Level Rotation Sampling" with YouSung Park and KeeWhan Kim, ASA 1998 Proceeding of the section on Survey Research Methods, 823-828
- (1998) ``The Correlation Estimator for Unbalanced Data" with J. Richard Landis. ASA 1997 Proceedings of the Survey Research Method, 858-863
- (1997) ``The Weighting and Variance of Survey Data", ASA 1996 Proceedings of the Survey Research Method, 864-869
- (1995) ``Statistical Methods for Complex Survey Data Analysis", Proceeding of International Conference on Statistical Methods and Statistical Computing for Quality and Productivity Improvement, 358-367, Seoul, Korea, August 20
- (1995) ``Health Surveys at National Center for Health Statistics", Proceeding of 50th International Statistical Institute Conference, Beijing, August 22-28
- (1995) ``Sample Surveys at the National Center for Health Statistics" with Lester R. Curtin, ASA 1994 Proceedings of the Survey Research Method, 1162-1167
- (1994) ``Regression Analysis of NCHS longitudinal Data". ASA 1993 Proceedings of the Section on Survey Research Method", 910-914
- (1993) ``Regression Analysis of complex death rate" with Won J. Park, ASA 1992 Proceedings of the section on Survey Research Method, 859-864
- (1992) ``Regression Coefficients obtained with Information on Variable Type and Sampling Method", ASA 1991 Proceedings of the section on Survey Research Method, 702-706
- (1991) ``A Generalized Linear Model for the Analysis of Diabetes Deaths", 1990 ASA Proceedings of the section on Social Statistics, 170-175
- (1990) ``A Sample Survey Design for the Evaluation of Health of Korean School Children" with Jong Gun Kim. The proceeding of the 5th International Academic Symposium of Korean School Health Association, 4-15
- (1989) ``The variance of health surveys at National Center for Health Statistics", ASA

- 1988 Proceedings of the Section on Survey Research methods, 734-739
- (1988) ``Impacts of Complex Sample Surveys on a Statistical Inference" with Jae Chang Lee. Invited papers to the 1988 Summer Symposium, 1988 Proceeding of Korean Scientist and Engineers Association meeting, Seoul University, Seoul, Korea. 3-7
- (1988) ``A direct estimation of intra-cluster correlation", ASA 1987 Proceedings of the Section on Survey Research Method, 726-731
- (1987) ``A Regression Model for the Data from two-stage cluster Sampling", ASA 1986 Proceedings of the Section on Survey Research Method, 626-630
- (1986) ``A Variance when Data arise from Multistage Sampling and Ratio-Estimation", ASA 1985 Proceedings of the Section on Survey Research Methods, 328-333
- (1985) ``Some Model Based Variance Estimations for Proportions from Cluster Sample Survey When the Denominator is Known", ASA 1984 Proceedings in the Section of Survey Research Methods, 501-506
- (1984) ``Variance in the National Health Interview Survey Data" with Robert J. Casady. ASA 1983 Proceedings of the Section on Survey Research Methods, 343-348
- (1983) ``Chi-Square testing of Categorical Data from Nested Design Using the Correlation Factor Estimated from Analysis of Variance Components" with Robert J. Casady. ASA 1982 Proceedings of the Section on Survey Research Methods, 531-536
- (1982) ``A Further Study on the Analysis of Categorical Data from Weighted Cluster Sample Surveys", ASA 1981 Proceedings of the Section on Social Statistics, 217-222
- (1981) ``Analysis of Categorical Data in Weighted Cluster Sample Surveys" with Richard B. McHugh. ASA 1980 Proceedings of the section on Survey Research Methods, 573-578
- (1979) ``Upper and Lower Bound of Chi-Square Statistics Based on the Cluster Sampling", Proceedings of the 1979 Korean Scientists and Engineers Association Washington Conference on Science and Technology, 53-57

REPORTS AND THESIS

- (2001) Hierarchical Bayesian Nonignorable Nonresponse Regression Models for NCHS Survey Data with Balgobin Nandram, Report of the summer project to NCHS (October 29, 2001)
- (2000) One-level rotation design balanced on time in monthly sample and in rotation group with Park, Y.S. and Kim, K.W.. Technical report, Statistics Department, University of Georgia, No. 2000-9
- (1996) The Impact of Ratio Weighting, Chapter 14 Statistical Policy Working Paper 25, Data Editing Workshop and Exposition, Statistical Policy Office, Office of Information and Regulatory Affairs, Office of Management and Budget, December
- (1980) Analysis of Categorical Data from Weighted Cluster Sample Surveys, Unpublished Ph.D. Thesis, University of Minnesota
- (1979) Acute Conditions-Incidence and Associated Disability-United States, July 1975-June 1976, DHEW Publication No. (PHS) 78-1548
- (1978) Exercise and Participation on Sports Among Persons 20 Years of Age and Over: United States, 1975, ADVANCEDATA from Vital and Health Statistics of the National Center for Health Statistics, U.S. Department of Health, Education, and Welfare, Number 19
- (1978) Socio-demographic and Health Characteristics of Persons by Private Health Insurance Coverage and Type : United States, 1975 with Peter Rice. ADVANCEDATA from Vital and Health Statistics of the National Center for Health Statistics. U.S. Department of Health, Education, and Welfare, Number 32
- (1977) Out-of-Pocket Cost and Acquisition of Prescribed Medicine, United States, 1973, HEW Publication No. (HRA) 77-542. National Center for Health Statistics, U.S. Department of Health Education and Welfare

REPOTRS to Mike McNamara, Office of Management and Budget, during 1972.12 to 1974.9 while I was dispatched to other divisions from Vital Statistics, Ohio Department of Health (ODH) (1 year and 10 mos)

- (1974.09.06) An application of relative value system to a sample data at ODH Laboratory
- (1974.08.29) The cost effectiveness of a health care program for communicable disease
- (1974.06.26) A method of cost benefit analysis for health care program
- (1974.03.15) 1974 Ohio State Plan for health care facilities, summarization, changes, and recommendations, Report to the Division of Medical Facility
- (1974.01.31) Cost-Productivity and Benefit analysis of the Laboratory of Ohio Department of Health
- (1974.02.12) Phenylketonuria (PKU) Study
- (1973.10.15) Comments on 2004 State Plan
- (1973.09.14) The simple form of the Ohio population projection of the year 1972 and 1979
- (1973.08.10) A method to distribute total extra needed beds among the candidate area hospitals, given the total needed beds of this area which is calculated by the separate formula
- (1973.06.14) Female population projection in order to project the necessary maternity units (beds) in a future year
- (1973.05.12) Report on professional activity study and medical audit program
- (1973.05.10) Report on American Association of health data system conference
- (1973.03.05) A method to classify patients into different disease categories according To given symptoms

REPORTS to Dr. David Webster, Parkinson Laboratory, VA Hospital, Minneapolis, Minnesota during 1971.06 - 1972.12 (1 ½ years).

- (1972.11) Comparison among Base, Placebo, and no medicine

- (1972.10) Base vs. no medicine vs. symmetrel+L-Dopa (right left comparison)
- (1972.10) Rigidity and L-Dopa study
- (1972.09) L-Dopa vs. L-Dopa+Symmetrel study
- (1972.08) Learning Curve (Graph)
- (1972.07) Regression analysis on Patient 49 (only right side)
- (1972.07) Graphical Comparison between Symmetrel effect and L-Dopa effect on Resting rigidity, Activated rigidity, Pursuit, Arm tremor, Pronation-Supination, and Walking index
- (1972.07) Analysis of individual patients data (combining 8 tests-One dimensional analysis)
- (1972.06) Placebo effect
- (1972.06) Investigation on the Normal Scores graph according to the different Combinations of Handedness and Laterality and to the brain surgery
- (1972.05) Analysis on brain operation of Patients No. 12, No. 25, and No. 30
- (1972.04) Behavior of up-down when B_S_P_S_P_S_P sequences are examined
- (1972.03) Range of normal scores for eight tests
- (1972.02) Difference Analysis between morning and afternoon
- (1972.02) Analysis on time differences (A,B,C,D) of testing in one day when Symmetrel is on
- (1972.01) Graphical analysis on 200mg, 300mg, and 400mg efficacy using difference average of (S/P)s
- (1971.11) Graphical analysis on 200mg, 300mg, and 400mg efficacy using 200-300-400 Sequences
- (1971.10) Preliminary Report on efficacy of symmetrel on Parkinson Disease
- (1971.09) Graph of Symmetrel efficacy
- (1971.09) Analysis of drug effects according to the seriousness of disease
- (1971.08) Frequency graphs of 36 patients to compare frequency moves between base drugs and Symmetrel
- (1971.08) Sign test on the Symmetrel Efficacy
- (1971.08) Age distribution of Onsets of Parkinson Disease

PROFESSIONAL SERVICES

- (2007.8) Organized and chaired invited speakers session at the International Symposium on business and industrial statistics at University of Azores, Azores, Portugal, August 18-20, 2007
- (2007.8.28) Organized and chaired invited speakers session at the 56th International Statistical Institute (ISI) meeting in Lisbon, Portugal August 21-29, 2007.
- (2007.7.29) Organized and chaired invited speakers session at the 2007 Joint Statistical Meeting in Salt Lake City, Utah for American Statistical Association July 28-August2, 2007.
- (2007-2009) Chair, SPAIG committee (Statistic Partnerships among Academe, Industry and Government) of the American Statistical Association (ASA)
- (2005-2006) Vice Chair, SPAIG committee (Statistical Partnerships among Academe, Industry and Government) of the American Statistical Association (ASA)
- (2005-2007) Subcommittee Chair of the SPAIG award committee, ASA
- (2006-2007) Plan and execute Nonacademic salary survey of ASA members for SPAIG committee
- (2006.4) Organizing committee member, New England Statistical Symposium, Worcester Polytechnic Institute (WPI)
- (2005-2007) ASA Task Force (TF) member for the committee of senior statisticians
- (2006.08.10) Organizer for Invited Session for ASA. What makes a Successful Career in Statistics? Ruminations and Advice from Veteran Statisticians Who have made Major contribution over the long haul. Speakers Bob Hogg, Westat group for Joe Waksberg, Ted Colton. Discussed by Paul Levy. Social Statistics Section, 2006 JSM in Seattle, Thursday
- (2007) Wrote Report on the survey result for senior ASA member statisticians
- (2006) Advertised and executed SPAIG Award to NCHS and WPI
- (2003-2007) Program co-chair for the public health and biostatistics program, Washington Statistical Society
- (2004) Organized the invited session on Confidentiality, 2004 JSM in Toronto (Speakers: Steve Fienberg, Rod Little, and Larry Cox)
- (2004) Chaired a session at the 2004 JSM in Toronto
- (2003) Chaired a session at the 2003 New England Statistical Symposium at WPI
- (2001-2003) CDC/ATSDR Statistical Science Award Committee member
- (2002) Chair an invited session, theme: Analysis of Survey Data at the International Conference in Recent Advancement on Sampling Survey (ICRASS) Meeting in Ottawa to honor J.N.K. Rao's 65th Birthday
- (2001.4) Chaired a session at the International Conference on Small Area Estimation and Related Topics, Bolger Center, U.S. Postal Service, Potomac, MD
- (1999) Founding member of Washington Korean Statistical Association
- (1988) Designed the Korean School Health Survey for school of public health, Seoul National University
- (1985) Founding member of American Korean Statistical Association
- (1980-2007) Helped Korean institutions and Universities on sampling and analysis of complex data
- (1980-2007) Referee for CDC statistical papers, American Journal of Public Health, Biometrics, Journal of American Statistical Association American Journal of Epidemiology, Journal of official statistics,

American Statistician, Survey Methodology, and others

SERVICE TO OFFICE OF RESEARCH AND METHODOLOGY, NCHS(1979-2007)

(1990-2007) Research for the sampling design and statistical methodology for NCHS health surveys and vital statistics
(2007) Complete smoothing method of the discrepancy between data sets coded by different ICD codes
(2006) Set up a lecture on sequential analysis for an alternative sampling method
(2006) Complete the method of three stage rotation sampling method
(2006) Administrator for the project on robust Bayesian estimation
(2006) Project director for Percentile of overweight population
(2006) Presented seminars
(2005) Project manager for U.S. mortality projection
(2005) Project director of election outcome prediction
(2005) Supervisor to student summer program (Yan Bai)
(2004) Presented seminar to NCHS
(2004) Completed a project on alternative chi-square testing
(2004) Supervisor to student summer program (Gang Shen)
(2003) Bone Mineral Density project director
(2003) Complete a method short and long term forecasting of U.S. Mortality, using two stage random model
(2003) Supervisor to student summer program (Ning Liu, Erik Erhardt)
(2003) Developed Bayesian alternative to chi-squared test of association
(2003) Developed nonparametric methods for less smoothing
(2003) Investigated Bayesian design effects of NCHS data for test of significance
(2003) Presented seminars
(2003) Developed contingency tables analysis with missing information
(2003-2005) Project manager for non-ignorable non-response project
(2002, 2003) Developed Bayesian method for mapping disease distribution
(2002) Project manager for non-parametric statistics
(2002) Research director for response adjustment
(2002) Supervisor to student summer program (Jie Liu)
(2002) Presented seminars
(2002) Advisor to Jinnhee Yang, Mathematic Department, University of MD, College Park
(2001) Project manager for Body Mass Index and Non-ignorable non-response model
(2001) Project manager for Bays and Empirical Bayes method
(2001) Hierarchical Bayesian model developed
(2001) Complete two-way balanced rotation sampling method
(2000) Research unusual correlation between any two objects
(2000) Presented seminars
(2000) Supervisor to student summer program (Sophie Delcoix)
(1999) Investigated Hot deck non-response adjustment
(1999) Compare various ratio weighting for NCHS data
(1998) Complete correlation research
(1998) Presented seminars
(1997) Weighting study for the complex data
(1995) Estimate the variance of ratio weighted data
(2003) Regression method of NCHS data analysis
(1994) Analyzed NCHS mortality data of 3-stage random process models
(1992) Chi-square testing of complex survey data
(1992) Completed ANOVA based correlation estimation
(1979) Coordinator for designing the National Family Growth Survey to WESTAT

SERVICES TO DIVISION OF HEALTH INTERVIEW SURVEY (NHIS), NCHS (1976-1979)

[1] Information officer to respond public request of NHIS data, answering the type and format of NHIS data
[2] Complete research on socio-demographic and health characteristics of persons by private health insurance coverage from the supplement questions collected by the national health interview survey in 1975
[3] Complete researched on acute condition-Incidence and associated disability in the U.S.A. using information from the core questions collected by health interview survey in 1976
[4] Complete research on our-of-pocket cost and acquisition of prescribed medicine in the United States from the information collected by the NHIS supplement questions
[5] Complete research on exercise and participation on sports among persons age 20 Years of age and over in the U.S.A. from the NHIS supplement data in 1975
[6] Develop data editing algorithm for NHIS survey data
[7] Wrote the technical part of the series 10 reports published by NHIS
[8] Made the public use data specification for the NHIS data
[9] Participated questionnaire design of NHIS
[10] Observed and participated to the training of the interviewers of NHIS Surveys
[11] Checked consistency of NHIS survey data
[12] Showed generalized variance function for the narrow, medium, and wide ranges of NHIS data
[13] Estimated variance of NCHS survey data using balanced half sample replication

SERVICES TO OHIO HEALTH DEPARTMENT (1973-1974)

[1] Dispatched from Vital Statistics Division to other divisions to solve their

- impending problems. Write critical reports for divisions' problems
- [2] Wrote the 1974 Ohio State Plan which showed the number of nursing homes needed in Ohio counties for Medical Facility Division according to the number of people over 60 years of age
 - [3] Dispatched to Ohio Department of Health Laboratory to estimate the cost-benefit of the Laboratory.
 - [4] Wrote a report on the Cost-Benefit for Ohio Phenylketonuria (PKU) program
 - [5] Developed health index of all Ohio counties
 - [6] Developed Ohio life tables using cohort method

SERVICES TO STUDENT HEALTH SERVICES, UNIVERSITY OF MINNESOTA, MINNEAPOLIS (1974)

- [1] Collected students arrival and physicians service time for three months
- [2] Developed appropriate queuing model for multiple arrivals and multiple servers using time information on the services and on the arriving and departing of patients.
- [3] The study model was used to adjust the numbers of appointments for the number of waiting doctors to minimize the patients waiting time (at most 20 minutes) and to minimize MDs idle time.
- [4] Student health service has been using this system since then

SERVICES TO VA HOSPITAL PARKINSON LABORATORY, MINNEAPOLIS (1971-1972)

- [1] Designed double blind crossover clinical trials for the Parkinson drugs (such as Symmetrel, L-dopa, Benadryl)
- [2] Supervised laboratory procedures and a computer programmer
- [3] Processed and managed the data of the clinical trials results
- [4] Studied the results of brain surgeries of severe Parkinson patients
- [5] Devised appropriate statistical method for the results of clinical trials
- [6] Wrote reports on the findings of clinical trials
- [7] Consultant to Dr. Webster, chief of Neurology Department, VA Hospital, Minneapolis

TEACHING

- (2007) Summer Intern supervision, Cresilda Toto, Ph.D. Mathematical Science, WPI, MA
- (2006) MS Thesis advisor for Hong Zhao, Mathematical Science, WPI, MA
- (2005) MS Thesis advisor for Yan Bai, Mathematical Science, WPI, MA
- (2004) MS Thesis advisor for Gang Shen, Mathematical Science, WPI, MA
- (2003) MS Thesis advisor for Ning Liu, Mathematical Science, WPI, MA
- (2003) MS Thesis advisor for Erik Erhardt, Mathematical Science, WPI, MA
- (2003) Ph.D. Thesis Advisor for In Sook Choi, Kyungsan University, Korea
- (2002) MS Thesis advisor for Jie Liu, Mathematical Science, WPI, MA
- (2000) MS Thesis advisor for Jinnhee Yang, Mathematic Department, University of MD, College Park
- (2000) MS Thesis advisor for Sophie Delcoix, Mathematical Science, WPI, MA
- (1997) MS Thesis advisor for Jin Sung Oh, Statistics Dept, Korea University
- (1997.05-1997.07) Visiting Professor, teach sampling, weighting, regression analysis testing hypothesis, Statistics Department, Korea University, Seoul, Korea
- (1988) Invited lecturer, teach two day course on sampling and survey sample data analysis at the Korean Statistical Office for Korean Statistics Association
- (1985.05-1985.08) Research Associate, Biostatistics, School of Public Health, John Hopkins University
- (1981.07.27-1981.07.31) Invited lecturer, American Mental Health Research Center at the University of Illinois, Chicago Circle and the Inter-University Consortium of Political and Social Research at the University of Michigan, Ann Arbor, topic: Sampling Design of the U.S. Health Interview Survey
- (1970-1971) Teaching assistant, teach statistics lab. course, Biostatistics Division, University of MN, Minneapolis
- (1966-1970) Teaching assistant, teach statistics, Statistics department, University of MN, Minneapolis
- (1960-1963) Teach English to Kyungsin high school students for 4 years

SERVICES TO POLICY MAKER

- (1974) Ohio house planned to abolish costly PKU program as it costed too much to detect too few PKU babies in Ohio. Wrote a report on cost-benefit analysis of the PKU program to the Department. They eventually kept the program. The report did a role for continuation of the program
- (1974) State of Ohio needed fair distribution of long term health care fund throughout the state. I wrote 1974 Ohio State plan which showed needed nursing homes by county. It helped for the state to distribute the fund among the Ohio counties
- (2006) American Statistical Association (ASA) saw underpaid nonacademic Statisticians. ASA Statistic Partnership among Academe, Industry and Government (SPAIG) committee (I am the chair) decided to do salary survey of nonacademic statisticians for ASA. I am responsible for the plan and execution of this survey. Final report will let them know the fair value of their Work
- (2007) ASA wants to know the reasons why senior statisticians have not been participating to the ASA programs. ASA task force for senior statisticians (I am a member) executed the survey on senior statisticians. I was asked to write a report on the result of the survey. This report will help for ASA to make sound policy decision for senior statisticians.

COOPERATIVE WORK

(1999-2007) Balgobin Nandram, Worcester Polytechnic Institute
(1997-2007) YouSung Park, Korea University
(2003-2006) John Birken, NCHS
(2004-2005) Jay H. Kim, NCHS
(2001) Geunshik Han of Hansin University, Korea
(1988-1997) Jae Chang Lee, Statistics Department, Korea University
(1980-1988) Jung Keun Kim Seoul National University
(1980-1990) Ung Lim Ko, HanYang University
(1992-2003) Dick Landis, University of Pennsylvania

GRANT APPLICATION

(2005) Applied for NSF research grant, as co-project officer
(2006) Applied for NSF research grant, as co-project officer
(2007) Applied for NSF research grant, as co-investigator

PROFESSIONAL MEMBERSHIPS

American Statistical Association (fellow)
Washington Statistical Society
Korean Association of Scientists and Engineers
Elected Member of International Statistical Institute
Korean American Statistical Association
Washington Korean Statistical Association

PROFESSIONAL PRESENTATIONS

[1979] Invited speaker, topic: The Upper and Lower Bounds of Chi-square Tests, Korean Scientists and Engineers Association, May, 1979, Washington D.C.
[1980] Invited speaker, topic: Analysis of Complex Sample Survey Data Biostatistics Division, University of Minnesota, 1980, May
[1980] Contributed speaker, topic: Analysis of Categorical Data from Complex Sample Survey. American Statistical Association joint statistical meeting (ASA JSM). August, 1980, Houston
[1980] Invited speaker, topic: Method of Adjusting Chi-square Test for Sample Survey Data. School of Public Health, Seoul University October, 1980
[1980] Invited speaker, topic: Adjusting Chi-square Test for Sample Survey Data, School of Public Health of Yonsei University, Oct. 23, 1980
[1980] Invited speaker, topic: Categorical Data Analysis, Washington Statistical Society, November, 1980
[1981] Invited speaker, topic: Categorical Data Analysis, U. S. Bureau of the Census
[1981] Contributed speaker, topic: A Further Analysis of Categorical Data from Complex Sample Survey, ASA JSM, August, 1981
[1982] Contributed speaker, topic: chi-squared testing of Categorical Data from Nested Design Using the Correlation Factor Estimated from Analysis of Variance Components, ASA JSM, August, 1982
[1983] Contributed speaker, topic: Variance in the National Health Interview Survey Data, ASA JSM, August, 1983 [1984] Contributed speaker, topic: Some Model Based Variance Estimations for Proportions from Cluster Sample Survey When the Denominator is Known, ASA JSM, August, 1984
[1985] Contributed speaker, topic: Generalized Variance Estimator When the Data Are Based on the Multistage Sample Ratio-Estimation, ASA JSM, August, 1985
[1986] Contributed speaker, topic: A Regression Model for the Data from two-stage cluster Sampling, ASA JSM, August, 1986
[1987] Contributed speaker, topic: A direct estimation of intra-cluster correlation, ASA JSM, August 10
[1988] Invited speaker, topic: A reduction factor of goodness of fit independence tests for clustered and weighted observations, Center for Education Statistics, Department of Education, Washington D.C, March 15
[1988] Invited speaker, topic: Health Surveys in U.S.A., Korean Institute of population and Health, June 30, 1988
[1988] Invited speaker, topic: Sampling theory and practice, Korean Statistical Association, Seoul, Korea, two days lectures, July 1-2, 1988
[1988] Invited speaker, Topic: Sampling in Social Surveys, Korean Institute of Policy Studies. July 4, 1988
[1988] Invited speaker, Korea University, topic: Sampling theory and practice, July 5, 1988
[1988] Invited speaker, topic: Sampling Theory and practice, Korean Scientists and Engineers Association 1988 Summer Symposium, Seoul University, Seoul, Korea. July 6. The seminar was reported by the Dong-A-Ilbo, the largest daily in Korea, on July 7, 1988
[1988] Invited speaker, topic: U.S. Health Surveys, Korean Biometrics Society, July 8, 1988
[1988] Invited speaker, topic: sampling Theory and Practice, Yonsei University, medical school, July 8, 1988
[1988] Contributed speaker, topic: Variance of Health Surveys at the National Center for Health Statistics, ASA JSM, August, 1988
[1989] Contributed speaker, topic: Variance of intra-cluster correlation for one stage

- cluster sample, ASA JSM, August, 1989
- [1990] Contributed speaker, topic: Generalized Linear Interactive Model for the analysis of Mortality Surveillance data, ASA JSM, August, 1990
- [1990] Invited speaker, topic: Generalized Linear Interactive Modeling and its Application to US Diabetes Deaths Data, Statistical Engineering Division, National Institute of Standards and Technology, Nov. 7, 1990
- [1990] Invited speaker, topic: A Generalized Linear Model Application to COPD Data Analysis, CDC Symposium of Longitudinal Data Analysis, November, 1990
- [1990] Invited speaker, topic: Sampling Design for the Evaluation of Health of Korean School Children, Korean School Health Association's 5th International Symposium, November 23, 1990
- [1990] Invited speaker, topic: Generalized Linear Model, Korean Biometrics Society, November 24, 1990
- [1990] Invited speaker, topic: Generalized Linear Model, Kyungbuk National University School of Medicine, November 30, 1990
- [1990] Keynote speaker, topic: U.S. Public Health Survey System, The Korean Public Health Association, Dec. 7, 1990, Seoul
- [1991] Invited speaker, topic: Generalized Linear Model and its Applications, Department of Mathematics and Statistics, The University of Vermont, Burlington, March 28, 1991
- [1991] Contributed speaker, topic: Regression Coefficient obtained from the information on sampling and weighting, ASA JSM, August, 1991
- [1991] Invited speaker, topic: Regression Coefficient obtained from the information on variable type, sampling, weighing, and classification, Department of Mathematics and Statistics, Wright State University, Dayton, Ohio, November 23, 1991
- [1992] Contributed speaker, topic: Regression Analysis of complex mortality data, ASA JSM, August 9-14, 1992
- [1992] Invited speaker, topic: Recent Mortality Trends of Asthma in the United States. First National Conference on Asthma Management, Crystal City, Arlington, VA, October, 1992
- [1993] Contributed speaker, topic: Regression Analysis of NCHS Longitudinal Data, ASA JSM, August, 1993, San Francisco
- [1994] Invited speaker, topic: Complex survey data analysis, Business Division, California Baptist University, Riverside, CA. June 14, 1994
- [1994] Invited speaker, topic: NCHS overview and data, Statistics Department, University of California, Riverside, CA. June 14, 1994
- [1994] Invited speaker, topic: Regression Analysis of Complex Data with Asthma Example, National Institute of Occupational Safety and Health, Morgantown, West Virginia, July 13, 1994
- [1994] Invited speaker, topic: Super-population Approach in Analysis of Categorical Data, XIIIth World Congress of Sociology, Bielefeld, Germany, July 18-23, 1994
- [1994] Contributed speaker, topic: Sample Surveys at the National Center for Health Statistics: Design, Estimation, and Variance. ASA JSM, Toronto, Canada. August, 1994
- [1994] Invited speaker, topic: Variance, American Korean Statistical Association meeting Toronto, Canada, invited Speaker. August, 1994
- [1995] Invited speaker, topic: Analysis of Complex Data, International Statistical Institute Seoul satellite meeting, Swiss Grand Hotel, August 16-21, 1995
- [1995] Invited speaker, topic: NCHS Health Surveys, International Statistics Institute meeting, Beijing, China, August 22-28, 1995
- [1995] Invited speaker, topic: Errors in the Complex Survey data, Biostatistics Department, Virginia Commonwealth University, Richmond, VA, October, 27, 1995
- [1996] Invited speaker, topic: Survey Data Weighting, Federal Committee of Statistical Methodology (at Labor Statistic Department in Washington, D.C.), March 22, 1996
- [1996] Contributed speaker, topic: Weighting and Variance of Survey Data, ASA JSM, Chicago, August 6, 1996
- [1997] Invited speaker, topic: statistical method of U.S. Food Labeling and drug production policy of U.S. FDA, School of Public Health, Seoul National University, topic: Overview on U.S. FDA policy of clinical trial, June 12, 1997
- [1997] Invited speaker, Korea University, Su-Chang, South Korea, May 21, 1997
- [1997] Invited speaker, topic: the U.S. Drug production regulations, Jong Gun Dang Pharmaceutical Company, Seoul, Korea. June 10, 1997
- [1997] Invited speaker, topic: Statistical methods, Preventive Medicine Department, Han-Yang University Medical School, Seoul, Korea. May 27 and June 4, 1997
- [1997] Invited speaker, topic: U.S. FDA Food Labeling and Drug policy, Graduate School of Food Engineering, Korea University, Seoul, Korea, June 5, 1997
- [1997] Contributed speaker, topic: Correlation Estimator for Unbalanced data, ASA JSM, Anaheim, CA, August 12, 1997
- [1998] Invited speaker, topic: Relative Risk of Injury for Weighted Data, Bureau of Labor Statistics, Department of Labor, Washington DC, July 14, 1998
- [1998] Contributed speaker, topic: Relative Risk and its variance from Weighted and Correlated Counts, ASA JSM, Dallas, Texas, August, 1998
- [1998] Invited speaker, topic: Some Generalized Rotation Sampling Design, ASA JSM, Dallas, Texas August 9-13, 1998
- [1999] Invited speaker, topic: Relative Risk of Injury in the U.S.A . CDC Conference on the Complex Data Analysis, Atlanta. GA, January 29
- [1999] Contributed speaker, topic: A Measure of Concordance When There are Many Traits, ASA JSM, Baltimore, MD August 8-12, 1999
- [1999] Invited speaker, topic: Non-response Estimation, International Conference on Survey Non-response, Portland, Oregon, October 28-31, 1999
- [2000] Invited speaker, topic: 2-way balanced one-level rotation sampling design,

- Washington Statistical Association, BLS, Washington DC, June 11, 2000
- [2000] Contributed speaker, topic: Bayes Empirical Bayes Estimation of a Proportion under Nonignorable Nonresponse, ASA JSM, Indianapolis, Indiana on August 13-17, 2000
- [2000] Contributed speaker, topic: A Hierarchical Bayesian Nonresponse Model for Binary Nonresponse Data with Uncertainty about Ignorability, ASA JSM, Indianapolis, Indiana August 13-17, 2000
- [2000] Contributed speaker, topic: A Hierarchical Bayesian Multinomial Model with Nonresponse, ASA JSM, Indianapolis, Indiana on August 13-17, 2000
- [2000] Invited speaker, topic: A Bayesian Nonignorable Nonresponse Model for Polychotomous Data in the National Health and Nutrition Examination Survey, The 14th New England Statistics Symposium, Center for Statistical Sciences, Brown University, Providence, RI, April 29, 2000
- [2001] Invited speaker, topic: Bayesian Multinomial Model with Nonresponse, Washington Statistical Association, January 16, 2001
- [2001] Contributed speaker, topic: A Bayesian Analysis of a Proportion Under Nonignorable Nonresponse, ASA JSM, Atlanta, Georgia, August 5-9, 2001
- [2001] Invited speaker, topic: Chronic Obstructive Pulmonary Disease Mortality Changes: 1983-1997, ASA JSM, Atlanta, Georgia, August 5-9, 2001
- [2001] Invited speaker, topic: Hierarchical Bayesian Predictive Inference for the Mean Body Mass Index of the U.S. Population via a Nonignorable Nonresponse Regression Model, ISI Satellite Conference on Recent Advances in Biostatistics at Taejon, Korea, August 20-21, 2001
- [2001] Invited speaker, topic: A Generalized Regression Model for Data Acquired from Three Random Processes, ISI Satellite Conference on Recent Advances in Biostatistics at Taejon, Korea, August 20-21, 2001
- [2001] Invited speaker, topic: A Bayesian Analysis of Proportion under Nonignorable Nonresponse, The 53rd Session of the International Statistical Institute Meeting in Seoul, August 22-29, 2001
- [2001] Invited speaker, topic: The Necessary and Sufficient Condition for 3-way Balanced Multi-level Rotation Sampling Design. The 53rd Session of the International Statistical Institute Meeting in Seoul, Korea, August 22-29, 2001
- [2002] Contributed speaker, topic: Geographic Pattern and Changes in Mortality from Lung Cancer: 1983-1997, American Public Health Association, Atlanta, Georgia, October 10-15, 2001
- [2002] Invited speaker, Topic: A Bayesian Analysis of a Proportion under Nonignorable Nonresponse, Department of Mathematical Science, Worcester Polytechnic Institute, Worcester, Mass. April 26, 2002
- [2002] Invited speaker, topic: A Hierarchical Bayesian Latent class model for disease mapping, The 16th New England Statistical Symposium, Division of Biostatistics, Yale University, April 27, 2002
- [2002] Invited speaker, topic: Bayesian Predictive Inference For a Finite Population Mean Under Informative Sampling, 3rd International Indian Statistical Association Meeting in Northern Illinois University, DeKalb, Illinois June 14-16, 2002
- [2002] Invited speaker, topic: Nonparametric study of proportion in small area with nonignorable nonresponse, International Conference on Recent Advances in Survey Sampling, Ottawa, Canada at JNK Rao's 65th birthday memorial meeting in Ottawa, July 13, 2002
- [2002] Invited speaker, topic: Nonparametric Bayesian Analysis of a Proportion under Nonignorable Nonresponse, Washington Korean Statisticians Association, Langley, VA July 27, 2002
- [2002] Invited speaker, topic: Measure of Similarity between two groups, The Third Conference on Multiple Comparison, Hyatt Regency Hotel, Bethesda, Maryland, August 5-7, 2002
- [2002] Contributed speaker, topic: A Nonparametric Bayesian Analysis of a Proportion under Nonignorable Nonresponse, American Statistical Association joint statistical meeting, New York, August 12, 2002
- [2002] Contributed speaker, topic: Changes in COPD Mortality for older age group (45+ years): United States, presented at American Statistical Association joint statistical meeting, New York on August 11, 2002
- [2002] Invited speaker, topic: A Nonparametric Bayesian Analysis of a Proportion under Nonignorable Nonresponse, Mathematic Department, University of Maryland, College Park, August 22, 2002
- [2003] Class speaker, topic: Student t-test, Department of Mathematical Sciences, Worcester Polytechnic Institute, Worcester, Mass, April 25, 2003
- [2003] Invited speaker, topic: Bayesian Models for Nonresponse Categorical Data from Small Areas: An Application to BMD and Age, Department of Statistics, University of Connecticut, Storrs, CT, Meeting: The 17th New England Statistical Symposium, April 26, 2003
- [2003] Invited speaker, topic: Bayesian Analysis of Nonignorable Missing Categorical Data: An Application to Bone Mineral Density and Family Income. Federal Committee of Statistical Methodology Research Conference. Sheraton Crystal City Hotel, Arlington, Va., November 17-19, 2003
- [2003] Invited speaker, topic: Dirichlet Process Prior in Small Area Estimation at the Mathematic Department, University of Maryland, College Park
- [2003] Contributed speaker, topic: A Bayesian Alternative to the Chi-Squared Test of Association in a Two-Way Categorical Table with Intra-Class Correlation, JSM, San Francisco, August 3, 2003
- [2003] Invited speaker, topic: A Bayesian Alternative to the Chi-Squared test of Association in a Two Way Categorical Table with Intra-Class Correlation, Fifth Triennial Calcutta Symposium on Probability and Statistics, Department of

- Statistics, University of Calcutta, and Calcutta Statistical Association, India. December 28-31, 2003
- [2004] Invited speaker, topic: A Nonparametric Analysis of a Discrete Data for a Small Areas Under Nonignorable Nonresponse, IMS-ASA's SRMS Joint Mini Meeting on Current Trends in Survey Sampling and Official Statistics, Calcutta, India, January 1-3, 2004
- [2004] Invited speaker, topic: An Analysis for U.S. Mortality Rates Using a Model of Two Random Processes, IMS-ASA's SRMS Joint Mini Meeting on Current Trends in Survey Sampling and Official Statistics, Calcutta, India, January 1-3, 2004
- [2004] Invited speaker, topic: A Nonparametric Analysis of a Discrete Data for a Small Areas Under Nonignorable Nonresponse, U.S. Census Bureau, Suitland, MD, January 20, 2004
- [2004] Invited speaker, topic: A Bayesian Alternative to the Chi-Squared test of association in a two-way categorical table with intra-class correlation. Computational Statistics, School of Computational Sciences, George Mason University. April 16, 2004
- [2004] Invited speaker, topic: A Bayesian Alternative to the Chi-Squared test. New England Statistical Symposium, Department of Statistics, Harvard University, Cambridge, Ma. April 23-24, 2004
- [2004] Invited speaker, topic: A Bayesian Alternative to the Chi-Squared test. Fifth Biennial International Conference on Statistics, Probability and Related Areas. International Indian Statistical Association. Department of Statistics, Athens, Georgia. May 14-16, 2004
- [1994] Invited speaker, topic: chi-square testing, the University of Vermont, Department of Mathematics and Statistics
- [1994] Invited speaker, topic: NCHS overview, Statistics Department, Univ. of California Riverside, CA
- [1994] Invited speaker, topic: Regression model, Business School, the California Baptist University
- [2004] Contributed speaker, topic: A Bayesian Prediction for Undecided Voters, 2004 JSM in Toronto, August 8-12, 2004
- [2005] Invited speaker, topic: BONE MINERAL DENSITY, the Science Auditorium at the Department of Natural and Mathematical Sciences Seminar Series, California Baptist University, Riverside on February 4, 2005
- [2005] Invited speaker, topic: Bayesian non-response models for categorical data from small areas: an application to BMD and age, Department of Statistics Statistical Colloquium, Department of Statistics, University of California at Riverside on February 3, 2005
- [2005] Invited speaker, topic: Bayesian non-response models for categorical data from small areas: An application to BMD and age, Department of Statistics, Korea University, Seoul, Korea on April 3, 2005
- [2005] Invited speaker, topic: Multivariate Control Charts for Passivation Process in the Manufacturing Industry, Fourth International Symposium on Business and Industrial Statistics, Novotel Palm Cove, Queensland, Australia, April 14, 2005
- [2005] Invited speaker, topic: Bayesian Predictive Inference under Informative Sampling and Transformation, Fourth International Symposium on Business and Industrial Statistics, Novotel Palm Cove, Queensland, Australia, April 15, 2005
- [2005] Invited speaker, topic: Bayesian Predictive Inference under Informative Sampling, The 19th New England Statistics Symposium, The Department of Statistics, University of Connecticut, Storrs, CT. April 23, 2005
- [2005] Invited speaker, topic: Bayesian Assessment of Obesity Among Children and Adolescents from Small Domain Under Nonignorable Nonresponse. 2005 Applied Statistical Symposium, International Chinese Statistical Association, Bethesda North Marriott Hotel and Conference Center, Bethesda, MD. 7-13-2005
- [2005] Contributed speaker, topic: A Bayesian Analysis of Two way categorical Data from Small Areas Incorporating Intra-class Correlation. Section of Bayesian Statistical Science, ASA JSM in Minneapolis, 8-7-2005
- [2005] Contributed speaker, topic: Bayesian Assessment of Obesity Among Children and Adolescents from Small Domain Under Nonignorable Nonresponse, Section of the Bayesian Statistical Science, ASA JSM in Minneapolis, 8-8-2005
- [2005] Contributed speaker, topic: A Parametric Approach to Measure the Effects of 10th ICD Revision on Mortality". In the section of Bayesian Statistical Science, ASA JSM in Minneapolis, 8-11-2005
- [2006] Invited speaker, topic: Tests of Association in a Two-Way Categorical Table with Intra-Class Correlation. Spring ENAR Biometrics Meeting, Tampa, Florida. 3-25-29, 2006
- [2006] Invited speaker, topic: A Bayesian Predictive Inference for Multivariate Control Charting, New England Statistical Symposium, Friday, 4-21-2006, at Worcester Polytechnic Institute, Worcester, MA
- [2006] Invited Speaker: topic: Test of Association in a Two-Way Categorical Table with Intra-Class correlation. International Chinese Statistical Association meeting, University of Connecticut, Torr, Ct., 6-14,17-2006
- [2006] Contributed speaker, topic: Bayesian Estimation of the Percentiles of Overweight, Section of Survey Research Method, 2006 ASA JSM in Seattle, Monday, 8-7- 2006
- [2006] Contributed speaker, topic: Bayesian Simultaneous Intervals for Small Areas: An Application to Variation in Maps. Section on Bayesian Statistical Science, 2006 ASA JSM in Seattle, Wednesday, 8-9-2006
- [2006] Special quest speaker, topic: Bayesian Estimation of the Percentiles of Overweight, Department of Mathematics, University of Maryland, Baltimore, Friday, 8-22-2006
- [2006] Special quest speaker, topic: Statistics and my life. Department of Statistics,

- Changwon National University, Changwon, Korea, 11-27-2006
- [2006] Special quest speaker, topic: National Health and Nutrition Examination Survey Design and weighting. Hanyang University School of Medicine, Seoul, Korea. Monday, 11-20-2006
 - [2007] Census Seminar Series, topic: Alternative Test of Independence. Research Division, U.S. Census Bureau, March 29.
 - [2007] Special quest speaker, topic: Calibulation of Obesity, Georgia Medical College, Augusta, GA. May 24.
 - [2007] Invited speaker, topic: benchmarking for small area estimation, presented at international Chinese statistical association meeting at Raleigh, NC, June 3-6.
 - [2007] Invited Speaker, topic: How to win the SPAIG award sponsored by SPAIG award, 2007 JSM at Salt Lake City, Utah, July 29-August 2, 2007.
 - [2007] Invited speaker, topic: Bayesian prediction of undecided voters, 2007 US-Korea conference on science, technology, and entrepreneurship. August 9-12, 2007 at Hilton Hotel, Reston, VA.
 - [2007] Invited speaker, topic: A Bayesian Predictive Inference for Multivariate Control Charting. International Symposium on Business and Industrial statistics (ISBIS) meeting at University of Azores, Azores, Portugal, August 18-20.
 - [2007] Topic Invited speaker, topic: Robust Bayesian Predictive Inference for Finite Population Quantile of a Small Area Using Propensity Scores, 56th ISI meeting, Lisboa, Portugal, August 22-29.
 - [2007] Topic Invited speaker, topic: A Bayesian prediction for undecided respondents, 56th ISI meeting, Lisboa, Portugal, August 22-29.
 - [2007] Invited speaker, topic: Alternative Test of Independence, Federal Committee on Statistical Methodology Research Conference (FCSM). Sheraton Crystal City Hotel, Arlington, VA 22202, Nov. 5-7