

Revised on March 6, 2014

## CURRICULUM VITA

**Hubert J Chen, Ph.D**

Department of Statistics, College of Arts and Sciences  
The University of University  
Athens, GA 30602  
E-mail: [jpcheney@yahoo.com](mailto:jpcheney@yahoo.com)  
706-542-5232  
Professor Emeritus, University of Georgia 2003 –  
[www.stat.uga.edu](http://www.stat.uga.edu)

- EDUCATION:** Ph.D. - Department of Statistics, University of Rochester, 1974.  
M. A. - Department of Statistics, University of Rochester, 1971.  
B. A. - Department of Economics, National Taiwan University, 1967.
- MAJOR:** Statistics
- MINOR:** Econometrics and Finance
- POSITIONS:**
- 8/2008 - 07/2013 Professor, Department of Accountancy  
College of Management, National Cheng  
Kung University, Tainan, Taiwan, R.O.C.
- 8/2005 - 07/2008 Professor, Department of Statistics and jointly with Department of Accountancy  
College of Management, National Cheng  
Kung University, Tainan, Taiwan, R.O.C.
- 8/2003 - 07/2005 Research Professor, Department of Statistics, College of Management, National Cheng  
Kung University, Tainan, Taiwan, R.O.C.
- 9/1988 - 12/2002 Professor, Department of Statistics, University of Georgia, Athens, Georgia
- 9/1991 - 06/1994 Professor and Director of Statistical Consulting Center, Department of Statistics,  
University of Georgia, Athens, Georgia.
- 9/1984 - 08/1988 Associate Professor, Department of Statistics, University of Georgia, Athens, Georgia.
- 9/1979 - 08/1984 Associate Professor, Department of Statistics and Computer Science, University of  
Georgia, Athens, Georgia.
- 9/1982 - 08/1984 Associate Professor and Graduate Coordinator, Department of Statistics and Computer  
Science, University of Georgia, Athens, Georgia.
- 9/1979 - 02/1981 Associate Professor, Director of Statistical Consulting Service, Department of Statistics  
and Computer Science, University of Georgia, Athens, Georgia.
- 9/1976 - 08/1979 Assistant Professor and Department of Statistics and Computer Science, University of

Georgia, Athens, Georgia.

- 9/1973 - 08/1976 Assistant Professor, Department of Mathematical Sciences, Memphis State University, Memphis, Tennessee.
- 1/1973 - 06/1973 Lecturer, Department of Statistics, The Ohio State University, Columbus, Ohio.
- 6/1972 – 08/1972 Summer Session Instructor, Department of Statistics, The University of Rochester, Rochester, New York.
- 8/1968 - 06/1969 Assistant Instructor, Department of Economics, National Taiwan University, Taiwan, R. O. C.

#### **VISITING INSTITUTIONS:**

- 3/81 - 08/81 Visiting Associate Professor and Scholar, Department of Statistics, Ohio State University, Columbus, Ohio.
- 6/82 - 08/82 Visiting Scholar, Department of Aeronautics and Astronautics, Stanford University and NASA, Stanford, California.
- 6/83 - 08/83 Visiting Scholar, Department of Aeronautics and Astronautics, Stanford University and NASA, Stanford, California.
- 8/84 - 12/84 Visiting Expert in Statistics, The Institute of Statistics, Academia Sinica, Taipei, Taiwan, Republic of China.
- 4/97 - 07/97 Visiting University Research Professor, Department of Mathematics, Tamkang University, Taiwan, R.O.C.

#### **HONORS RECEIVED:**

Jan. 1, 2003 - life Professor Emeritus, The University of Georgia, GA, appointed  
 Received National Taiwan University Book Prize Award, 1965  
 Listed in American Men and Women of Science, 1976, 1981 -  
 Listed in Who's Who in the Republic of China, 1977 -

Listed in Who's Who in Technology Today, 1980 - 82  
 NASA/Standard Faculty Research Fellowship, 1982, 1983  
 Elected Member of the International Statistical Institute, 1991 -

#### **AWARDS:**

Receiving Outstanding Service Award to Statistics, 1997, awarded by International Chinese Statistical Association.  
 International Statistical Institute (Elected Member), 1991 – life  
 Research Excellence Award, 2007, Dec, National Cheng Kung Univ, Taiwan  
 Teaching Excellence Award, 2012, Sep, National Cheng Kung Univ. Taiwan

#### **PROFESSIONAL SOCIETIES:**

American Statistical Association (Member), 1970 - 2006

Institute of Mathematical Statistics (Member), 1970 - 2003  
 International Chinese Statistical Association (Founding Member), 1987 - life  
 International Statistical Institute (Elected Member), 1991 - life

#### **GRADUATE FACULTY:**

Memphis State University, Memphis, Tennessee, 1973-76  
 University of Georgia, Athens, Georgia, 1977-2002

#### **RESEARCH IN PROGRESS:**

Applied Statistics in Business and Finance  
 Financial Market and Portfolio Evaluation  
 Econometrics  
 Portfolio and Investment Evaluations  
 Clinical Trials and Bioequivalence  
 Estimation of Ranked Parameters  
 Ranking and Selection Procedures for Medical Treatment  
 Drug Response Analysis  
 Multiple Decision Procedures  
 Statistical Consulting Techniques  
 Statistical Computations and Monte Carlo Simulations  
 Hypothesis Testing and Selection Procedures

#### **COURSES TAUGHT:**

Statistical Finance (graduate level)  
 Statistics and Quantitative Methods (graduate level)  
 Econometric Theory (I) and (II) (graduate level)  
 Business Statistics (under and graduate level)  
 Statistical Finance (graduate level)  
 Multiple Comparisons and Decision Theory (graduate level)  
 ANOVA under heteroscedasticity (graduate level)  
 Elementary Mathematical Statistics (undergraduate level)  
 Introduction to Statistical Analysis (undergraduate level)  
 Introductory Statistics (undergraduate level)  
 Statistical Methods I & II (undergraduate and graduate level)  
 Statistical Theory I & II (undergraduate and graduate level)  
 Sampling Techniques (graduate level) Text: Cochran  
 Multivariate Statistical Methods (graduate level) Text: Anderson, Morrison  
 Nonparametric Statistics (graduate level) Text: Wolfe  
 Applied Regression Analysis (graduate level) Text: Drapter & Smith  
 Statistical Theory and Probability (graduate level) Text: Hogg & Craig  
 Inference Theory (graduate level) Text: Zacks, Lehmann  
 Analysis of Variance (graduate level) Text: Hicks  
 Computer Generation of r.v.'s (graduate level) Text: Naylor, et. al.  
 Advanced Topics in Inference (graduate level) Text: Ferguson, Lehmann  
 Statistical Computations and SAS Packages (undergraduate and graduate level)  
 Topics in Advanced Statistics (graduate level) Text: Gupta & Panchapakesan  
 Experimental Design (graduate level) Text: Kempthorne  
 Statistical Quality Control (graduate level)  
 Simulation Techniques (graduate level) Text: Naylor, et. al.  
 Decision Theory (graduate level) Text: Ferguson  
 Advanced Mathematical Statistics (graduate level) Text: Kendall & Stuart  
 Supervised Statistical Consulting Service (graduate) no text

Ranking and Selection Methods (graduate level) Text: Gibbons, Olkin & Sobel  
 Ranking and Selection Theory (graduate level) Text: Gupta & Panchapakesan  
 Clinical Trials (graduate level) Text: Friedman, Furberg & DeMets  
 Design and Analysis of Experiments Text: Angela Dean & Daniel Vass  
 Advanced Statistical Methods Text: J.Neter, et. al.

#### **KNOWLEDGE OF PROGRAMMING LANGUAGES:**

Twenty five years experience in using BASIC, MATLAB, FORTRAN, CUPL, APL/360, CPS, PL/I, C++ and Statistical packages such as BMDP, SPSS, MINITAB, ISIS, SAS, PC, Windows 2003, XP, 7 and various software for data analysis.

#### **TEACHING EVALUATIONS:**

1. **Average score 4.5 out of 5 points, according to the Teaching's Evaluation at National Cheng Kung University for the graduate level courses, Fall, 2003 - 2013.**
2. Excellent, according to the Teacher's Evaluation Survey in Fall, 1973. Also excellent in the Spring of 1974, and in the Fall of 1975 at Memphis State University. Average 4.4, 4.8, 4.1, 4.5, 4.6, 4.8 out of 5-point-base on various graduate courses at Memphis State University, 1973-76.
3. Very good, according to the Teacher's Evaluation at the University of Georgia at the undergraduate level courses and excellent at the graduate level courses, 1976 - 2002.

#### **SERVICE ON COMMITTEES OR PANELS:**

1. Traffic Flow Survey at an Intersection of Memphis State University and presented proposal to MSU and City Transportation, 1975.
2. Represented the Chinese Community in Memphis to Survey Burglaries, Robberies and Killings. Reported to the City Mayor and Police General and this report was published in the city's largest newspaper, Commercial Appeals, March 1975.
3. Directed a three day special program on the Chinese New Year for both MSU and television night in Memphis, Tennessee, February 1976.
4. Served as Economic and Statistical Consultant for the Republic of China - Ministry of Finance and Economy, Summer 1976.
5. Served MSU Computer Center as a faculty consultant in statistical problems, 1973-76.
6. Consultant with Pediatricians at the Medical Center, University of Tennessee, 1975-77.
7. Participated as a judge for the Frank Wilcoxon Prize and Jack Youden prize in the chemical division of the American Society for Quality Control, 1976-82.
8. Study the effect of pesticide on edible foods for FDA in order to use ANOVA technique, 1978. Determine the sample size in rare diseases for FDA, 1983.
9. Judge of Chinese New Year performance, 1982.
10. Board of Directors of Chinese Community Center, Atlanta, Georgia, 1981-Present.
11. Chinese Language Program in Athens, Georgia, 1983-94.

12. External Examiner for a Ph.D. thesis at Hong Kong University, June, 1992, 1993.
13. External Reviewer on promotion for Columbia University, 1991.
14. External Reviewer on promotion for University of South Alabama, 1994.
15. President of Chinese Community Center, Atlanta, GA, 1998-1999.
16. President of Athens Chinese American Association, 2000-2001.
17. Session Chair, Chinese Statistical Association Annual Meeting, Nov 22, Saturday, 2003, Fu-Jen University, Shin-Chung, Taiwan.
18. Cheng Kung Univ. - Departmental Statistics Promotion and Evaluation Committee, 2003 – 2012.
19. Cheng Kung Univ. - Departmental Academic Research Committee, 2004 – 2012.
20. Cheng Kung Univ. - College International Research and Cultural Exchange Committee, 2004 – 2005.
21. Two-Strait and 14th Southern Regional Conference – Chair of Program Committee, Cheng Kung University Council Member , 2004 – 2005.

#### **EDITORIAL BOARD/REVIEWERS:**

1. International Editorial Board member of American J. of Math. and Management Science, 1981-
2. Advisory Board member of the Journal of Statistics and Decision, 1981- .
3. Reviewers of Math. Reviews, 1981- 2001.
4. Chairing one session at the IMS Annual Meeting, Vail, Colorado, 1981.
5. Referees for JASA, Statistica Sinica, Comm. Statist., AJMMS, Statistics and Decision, American Statisticians, Technometrics, Journal of Technology, First International Conference on Statistical Computing, Fronteir of Modern Statistical Inference on Ranking and Selection, Annals of Statistical Mathematics. South African J. of Statistics, J. of Statistical Inference and Planning, 1973 - 2001.
6. Session Chair at the 3rd ICSA Joint Statistical Conference held in Beijing, China, August 17 - 20, 1995.
7. Session Chair at the 3<sup>rd</sup> International Chinese Statistical Association Joint Statistical Meeting, Beijing, China, August 17 - 20, 1995.
8. International Chinese Statistical Association: Elected Board of Directors, 1993 – 96: Chairman of Membership Drive Committee, 1994 – 97; Communication Committee, 1998-2002.
9. Statistica Sinica, journal reviewer, 2004-2006.
10. Journal of Chinese Statistical Association. journal reviewer, 2005.
11. NSC research grant proposals reviewers, 2004-2005, 9 cases.
12. Editor of American J. of Math. and Management Science, USA, 2010-2012.

#### **SERVICE AT THE UNIVERSITY OF GEORGIA**

1. In charge of the Statistical Consulting Service and Laboratory open to all faculty members and graduate students at UGA, 1978 - 80.
2. Serving on Graduate Program Review Committee for the Department of Speech Communication, University of Georgia, 1980.
3. Senator of College of Arts and Sciences Senate, 1981- 84. Chairman of the Admission Committee of the Senate, 1981- 82.
4. Curriculum Advisory Committee Member of the Graduate Faculty of Applied Quantitative Sciences, 1981- 84.
5. Faculty Advisor for Chinese Student Association, 1977- 89.
6. Departmental Examination Committees, 1981
7. Review Committee of Sandy Beaver Teaching Awards, January 1982.
8. Graduate Coordinator -- Liaison between graduate students and Graduate School, 1982-84.
9. QFAC ad hoc committee -- Proposing and revising MAMS program, 1982-84.
10. Graduate Coordinators Committee -- Reviewing graduate faculty membership, 1982-84.
11. Ad hoc Advisory Committee for Search for Computer Science Department Head, 1983-84.
12. Chairman of Departmental Examination Committee, 1982-84.
13. Steering Committee of Graduate Faculty of Applied Quantitative Sciences, 1984-87, 1989-92.
14. Advising China Night program at the Baptist Church Center and Fine Arts Theater on February 2, 1985, University of Georgia.
15. Acting Graduate Coordinator, Fall 1985.
16. Statistics Examination Committee, Equivalency Examination Committee, 1987-89.
17. Recruiting Committee in Statistics Department, 1988-89.
18. Chair of Statistics M.S. Examination Committee -- Applied Option, 1987-90.
19. Chair of Statistics Equivalency Examination Committee, 1989-90, 1991-1994.
20. Statistics Tenure and Promotion Committee, 1981- .
21. University Area Review Committee, 1992-95.
22. Statistics Personnel Committee 1990-94, 1996-
23. Computing Subcommittee, 1994-6, 99-01.
24. Statistics M.S. Examination Committee, 1995-.
25. STA 621-622 Subcommittee, 1995 -.
26. Arts & Science Promotion Committee, 1990 -.
27. University Research Foundation Faculty Grant Committee, Member and Chair, 1998-2001.

#### **SERVICE AT CHENG KUNG UNIVERSITY 成功大學 (2003-2007):**

1. Promotion and Evaluation Committee – Dept of Statistics, Accountancy Cheng Kung University, 2003 - 2012
2. Academic Program Committee – Dept of Statistics, Cheng Kung University, 2003 -2006
3. College Program Committee - Cheng Kung University, 2004 - 2005
4. University-wide Faculty Council - Cheng Kung University, 2004
5. Serving six master thesis exam committees and two Ph.D. thesis exam committees, 2004 - 2006.
6. Serving one Ph.D. thesis exam committee at Dr. Sun-Yi-Sen Univ. 2004.

#### **SERVICE ON DEFENSE COMMITTEES:**

1. Served on Ph.D. dissertation Advisory Committee 37 times in Statistics, Agricultural Economics, Sociology, Political Sciences, Educational Psychology, Physical Education and Pharmacy.
2. Served as a dissertation/thesis chairman of reading committee 9 times (candidates were: Chen, Hsieh, D. Charenkavanich, Lether, Parrish, Shah, Wang, Layton, Kim, Wong).
3. Made Ph.D./Master's candidate preliminary examination more than 20 times.
4. Advisory committee member for M.S. students in Statistics, Social Science, Political Sciences, Business Administration, Agriculture Economics, Biology, Ecology, Pharmacy, and Physical Education for more than 50+ times since 1978.
5. Serving five master thesis exam committees and two Ph.D. thesis exam committees, 2004-2005.
6. Serving one Ph.D. thesis exam committee at Dr. Sun-Yi-Sen Univ. 2004.

**THESES AND DISSERTATIONS SUPERVISED:**

1. Directed, partially, two Ph.D. dissertations in the College of Education in the area of Simulation and Experimental Design, Memphis State University, 1976.
2. Master's thesis, Ms. Mangping Ho, "Selecting a Subset which Contains all Attributes Better than a Control," Department of Statistics and Computer Science, University of Georgia, completed in August, 1978.
3. Ph.D. dissertation, Mr. John Pickett, "Selecting all Populations Better than a Control," Department of Statistics and Computer Science, University of Georgia, completed in December, 1979.
4. Master's thesis, Mr. Supoat Charenkavanich, "Three-Stage Selection of the Population with the Largest Mean from k Normal Populations when Variances Are Unknown and Unequal," Department of Statistics and Computer Science, University of Georgia, completed in December, 1979.
5. Ph.D. dissertation, Mr. Paul J. Tasi, "Interval Estimation, Ranking and Selection Procedures," Department of Statistics and Computer Science, University of Georgia, completed in May, 1980.
6. Master's thesis, Mr. Shui-Pyng Yuan, "On Concurrence of Several Linear Regression and Applications to the Problem of Enzyme Kinetics," Department of Statistical and Computer Science, University of Georgia, completed in May, 1980.
7. Master's thesis, Mr. C. T. Kuo, "Simultaneously Selection and Interval Estimation of the Largest Mean in Repeated Measurement Design," Department of Statistics and Computer Science, University of Georgia, completed in March, 1981.
8. Master's thesis, Mr. Ju-Sung Lee, "Estimating the Probability of a Correct Selection with Options to Not Select," Department of Statistics and Computer Science, University of Georgia, completed in June, 1981.
9. Master's thesis, Mr. Dakshina Murthy, "Multiple Comparison Procedure with a Control Under Exponential Distributions," Department of Statistics and Computer Science, University of Georgia, completed in January, 1982.
10. MAMS report, Mr. David Chao, "On Simultaneous Selection and Estimation of the Largest Normal Mean," Department of Statistics and Computer Science, University of Georgia, completed in May, 1982.
11. MAMS report, Ms. Gin-Hua Leu, "Random Number Generation with Bibliography," Department of Statistics and Computer Science, University of Georgia, completed in May, 1982.
12. Master's thesis, Mr. Shun-Yi Chen, "Subset Selection with Binomial Prior Distribution," Department of Statistics and Computer Science, University of Georgia, completed in April, 1983.
13. Ph.D. dissertation, Mr. Robert Prince, "Selecting the Best Population with a Preliminary Test," Department of Statistics and Computer Science, University of Georgia, completed in June, 1983.
14. Ph.D. dissertation, Ms. Jirawan Sirichote, "Selection of the Best Exponential Population," Department of Statistics and Computer Science, University of Georgia, completed in August, 1984.
15. MAMS report, Mr. Kuochung Chang, "Unequal Variances Analysis Using Different Weighting Methods," Department of Statistics and Computer Science, University of Georgia, completed in August, 1984.
16. Ph.D. dissertation, Ms. Kanlaya Vanichbuncha, "Multiple Comparisons with the Best Population," Department of Statistics, University of Georgia, completed in June, 1986.
17. Ph.D. dissertation, Mr. M. J. Wen, "Single-Stage Multiple Comparison Procedures Under Heteroscedasticity", completed in June, 1991.
16. Ph.D. dissertation, Mr. J. J. Bau, "Subset Selection Procedure with a Statistical Test", completed in June, 1992.
19. Ph.D. dissertation, Mr. M. Xiong, "Neutral Networks and Artificial Intelligence", completed, June, 1993.
20. Ph.D. dissertation, Ms. Su-Fei Wu, "Multiple Comparisons with the Average", completed, July, 1994.
21. MAMS, Ms. Chanida Sonami, "Selection Procedure with a Test and Its Application to the Smallest Normal Variance", completed, December, 1994.
22. Ph.D. dissertation, Mr. Qi Guo, "Stock Selection by Statistical Methods", in progress, 1993-.
23. Ph.D. dissertation, Ms. Shao-Yi Li, "Statistical Methodology in Drug-Response Studies", completed, January, 1997.
24. M.S. Thesis, Mr. Arne Paulson, "A performance Ratio & Based Evaluation of Mutual Funds", completed March, 1997.
25. M.S. Thesis, Ms. Lieu Galvin, "Cross-Over Design with Unequal Variances", completed July, 1997.
26. Ph.D. Dissertation, Mr. Xin Yu, "Stock Market and Portfolio Evaluation", completed, March, 1999.
27. M.S. Thesis, Mr. Ping Shan Chen 陳平山 "Multiple Comparisons used in Taiwan Security Companies", June, NCKU, 2004.
28. M. S. Thesis, Mr. Zen Hsiu Chiu, 朱正修 "Relation between International Stock Markets and Taiwan Stock

- Market”, June 2004, NCKU.
29. Directing Master thesis 趙玉林 for Taiwan stock evaluations, Cheng Kung University, 成功大學, June, 2005.
  30. Directing Master thesis 陳樂軒 for options under Taiwan’s truncation market, Cheng Kung University, NCKU, June, 2005.
  31. Directing Master thesis 范湘鈞 for mutual funds evaluations, Cheng Kung University, NCKU, June, 2005.
  32. Directing Master thesis 李秀玲 for interval estimation on best stock return, Cheng Kung University, NCKU, June, 2006.
  33. Directing Master thesis 白詩宜 for equivalence test, Cheng Kung University, NCKU, June, 2006.
  34. Directing Master thesis 林俐均. Using multiple comparison procedures to evaluate the financial performance of the finance holding companies in Taiwan. Cheng Kung University, NCKU, June, 2006.
  35. Directing Five Master theses: 陳宣諭, 謝姍澧, 陳妍孜, 黃妍綺 及 游禮維, NCKU, June 2007.
  36. Directing Five Master theses: 陳俊宇, 沈銘玉 及 林璉君, NCKU, June 2008.
  37. Directing two Master theses, NCKU, completed, June 2009.
  38. Directing two Master theses, NCKU, completed June 2010.
  39. Directing three Master theses, NCKU, completed June 2011.
  40. Directing one Doctoral thesis, Peichi Shao, NCKU, completed June 2013.
  41. Directing one Doctoral thesis, Wengine Wang, NCKU, completed June 2014.

#### PAPERS PRESENTED:

IMS-ASA-BS Annual Meetings, December 27-30, 1973, New York  
 ASA-BS Annual Meetings, August 26-29, 1974, St. Louis, Missouri  
 IMS Eastern Regional Meeting, May 21-23, 1975, Rochester, New York  
 ASA-IMS-BS Annual Meetings, August 25-28, 1975, Atlanta, Georgia  
 IMS-ASA Regional Meetings, March 8-10, 1976, College Station, Texas  
 ASA-BS Annual Meetings, August 15-18, 1977, Chicago, Illinois  
 Fifth International Symposium on Multivariate Analysis, June 19-24, 1978, Pittsburgh, Pennsylvania  
 ASA-IMS-BS Annual Meetings, August 14-17, 1978, San Diego, California  
 ASA-IMS-BS Annual Meetings, August 13-16, 1979, Washington, D. C.  
 ASA-BS Annual Meetings, August 11-14, 1980, Houston, Texas  
 ASA Annual Meeting, August 10-13, 1981, Detroit, Illinois  
 IMS Annual Meeting, August 17-20, 1981, Vail, Colorado  
 International Advanced Seminar/Workshop on Inference Procedures Associated with Statistical Ranking and Selection, Honolulu, Hawaii, July 11-16, 1982.  
 NASA/ASEE 19th Faculty Summer Research Reviews, August 1982.  
 NASA/ASEE 20th Faculty Summer Research Reviews, July 1983.  
 ASA-IMS Annual Meeting, August 18-21, 1986, Chicago, Illinois.  
 Sino-American Statistical Meeting, August 31-September 2, 1987, Beijing, China.  
 ASA Annual Meeting, August 22-25, 1988, New Orleans, LA.  
 ASA Atlanta Chapter, April Meeting, April 8, 1989, Athens, GA.  
 ASA Annual Meeting, August 6-9, 1990, Anaheim, California.  
 IMS Annual Meeting and The Second World Congress of Bernoulli Society, August 13-18, 1990, Uppsala, Sweden.  
 ICSA 1st Conference in Statistics, December 14-18, 1990, Hong Kong.  
 ASA Annual Meeting, August 19-22, 1991, Atlanta, Georgia.  
 International Statistical Institute, 48th Session (biannual meeting), September 9-17, 1991, Cairo, Egypt.  
 23 Symposium on Interface: Computer Science and Statistics, Seattle, Washington, April, 1991.  
 ASA Annual Meeting, Boston, MA, August 9-13, 1992.  
 23rd Annual Meeting of Decision Sciences Institute, San Francisco, California, November, 1992.  
 TIMS/ORSA Joint National Meeting, Orlando, Florida, April, 1992.  
 1992 ASA Winter Conference, Louisville, Kentucky, January, 1992.  
 ASA Annual Meeting, Boston, MA, August 8-12, 1993  
 2nd Taipei International Statistical Meeting, Taipei, Dec. 17-19, 1993.

1993 Biometrics ENAR Meeting, Philadelphia, March 21-24, 1993  
 1993 ASA Winter Conference, Fort Lauderdale, FL, Jan. 3-5, 1993.  
 3rd Congress/57th IMS Annual Meeting at Chapel Hill, June 20-25, 1994.  
 1994 Joint Statistical Meetings, Toronto, August 14-18.  
 59th Session of the International Statistical Institute, Beijing, China, August 21-29, 1995.  
 1996 Joint Statistical Meetings - ASA, Chicago, IL, August 4-8, 1996.  
 1997 Joint Statistical Meeting - ASA, LA, CA, August 9-14, 1997.  
 IMS /Asian Statistical Meeting, Taipei, July 7-9, 1997.  
 1997 International Conference on Statistical Inference, Combinatrics and Related Areas, Dec. 18-21, 1997, Varanasi, India.  
 1998 Joint Statistical Meetings - ASA, Dallas, TX, August 9 - 13, 1998.  
 1999 Joint Statistical Meetings - ASA, Baltimore, MD, August 8-12, 1999.  
 2000 Second International Conference on Multiple Comparisons, Berlin, Germany, June 25-28.  
 2001 Joint Statistical Meetings - ASA, Atlanta, GA, August 6-9.  
 2002 Joint Statistical Meeting - ASA. New York, August 12-15.  
 2004 Cheng Kung Univ and Hainan Univ Joint Management Symposium, April 5 –9, Hainan, China.  
 2004 International Chinese Statistical Association, Applied Statistical Symposium, June 6-8, San Deiago  
 2004 Joint Statistical Meeting - ASA. Toronto, Canada, August 8-12.  
 2005 Joint Statistical Meeting - ASA. Miineapolis, USA, August 7-11.  
 2006 Joint Statistical Meeting – Seattle, WA, Aug 6-11, 2006.  
 2007 11th Biennial CDC Symposium on Stat. Methods – Atlanta, GA, April 16-18, 2007.  
 2007 IMST 2007 FIM XV (Shanghai Forum on Math and Stat) – May 20-23, 2007.  
 2007 Joint Statistical Meeting – Salt Lake City, Utah, Aug 1-4, 2007.  
 2008 Joint Statistical Meeting – Denver, CO, Aug 4-9, 2008.  
 2009 Joint Statistical Meeting – Washington , DC, Aug 1-6, 2009.  
 2010 Joint Statistical Meeting – Vancouver, BC, CA Jul 31-Aug 5, 2010.  
 2012 Global Business & Intl Management Conf – Orlando, FL, Jan 15-17, 2012.  
 2012 Joint Statistical Meeting – Sandiego, CA, July 30-Aug 4, 2012.

#### INVITED TALKS:

1. The Ohio State University, Department of Statistics, May 19, 1975. Topic was "Estimation of Ordered Parameters Under Unequal Sample Sizes and Its Applications."
2. The National Taiwan University, Department of Economics, Taipei, Taiwan, Republic of China, August 20, 1976. Topic was "Interval Estimation of the Best Parameter of k Populations."
3. Southern Regional Education Board Summer Research Conference in Statistics, Arkadelphia, Arkansas, June 12-17, 1977. Topic was "Ranking and Selection."
4. 1977 Winter Simulation Conference, at the National Bureau of Standard, Gaithersburg, Maryland, December 5-7, 1977. Topic was "Statistics in Simulation - Estimation of the Best Alternative."
5. ASA-Atlanta Chapter, October 15, 1981. Topic was "A New Range Distribution and its Applications in Exponential Models."
6. First International Conference on Inference Procedures, 1982. Topic was "A New Selection Procedure."
7. Academia Sinica, Taipei, September 15, 1984. Topic was "Two-Stage Sampling, Applications and Development."
8. Central University, Taiwan, October 2, 1984. Topic was "Selection of the Best Exponential Population."
9. Changzhi University, Taiwan, November 5, 1984. Topic was "Analysis of Variance with Heteroscedastic Data."
10. Academia Sinica, Taipei, November 6, 1984. Topic was "Ranking and Selection I."
11. National Taiwan University, Taipei, November 8, 1984. Topic was "Two-Stage Sampling Technique Used in Analysis of Variance."
12. Academia Sinica, Taipei, November 13, 1984. Topic was "Ranking and Selection II."
13. Chungghwa University, Taiwan, November 29, 1984. Topic was "Selection and Estimation of the Best Population."
14. Chungchi University, Taipei, December 3, 1984. Topic was "Introduction to Ranking and Selection."
15. Chungshun University, Taipei, December 5, 1984. Topic was "Introduction to Ranking and Selection."
16. Fujen University, Taipei, December 15, 1984. Topic was "How to Select the Best Population."

17. Academia Sinica, Taipei, December 22, 1984. Topic was "Simultaneous Testing, Selection and Estimation of the Best Population."
18. The First International Conference on Statistical Computing, Izmir, Turkey, March 30 - April 2, 1987. Topic was "Multiple comparisons with the best exponential distribution."
19. Second International Advanced Seminar/Workshop on Inference Procedures Associated with Statistical Ranking and Selection, Sydney, Australia, August 9-15, 1987. Topic was "Selection of the Best Exponential Distribution with a Control."
20. University of South Carolina, Columbia, S.C., November 15, 1990. Topic was "Hypothesis Testing and Subset Selection".
21. Oakland University, Rochester, MI, November 7, 1991. Topic was "Testing the Equivalency of Several Location and/or Scale parameters and its applications".
22. Academia Sinica, Statistical Institute, Taipei, Taiwan, June 18-26, 1992. Topic was "Range Tests for the Dispersion of Several Location Parameters".
23. ASA Atlanta Chapter, Athens, GA, April 24, 1992. Topics was "Range Tests".
24. The Second International Chinese Statistical Association Joint Statistical Conference, Taipei, Dec. 17-19, 1993. Topic "Multiple comparison with the average".
25. Institute of Management Sciences, National Chiao Tung University, Taipei, Dec. 21, 1993. Topic "Statistical consulting and research experience".
26. Drug Information Association, 8th Annual Symposium on Statistical Issues in the Pharmaceutical Industry, Hilton Head Island, SC, March 20-22, 1994. Topic was "Introduction to Ranking and Selection and Recent Development".
27. Shan-Xi University, Department of Mathematics, Tai Yuan, China, Topic (1) - "Statistical Consulting Services, Experiences, and Methods" on Sept 29, 1994, Topic (2) - "Recent Development in Multiple Comparisons" on Sept 30, 1994, and Topic (3) - "Equivalency Test and its Applications" on Oct 3, 1994.
28. Xian Petroleum University, Department of Economics, Xian, China, Topic (1) - Same as in 4, Oct. 4, 1994, Topic (2) - Same as in 4, Oct 6, 1994.
29. Xian Institute of Statistics, Xian, China, Topic - "Statistics and applications in social sciences", Oct. 8, 1994.
30. National Cheng Kung University, Department of Statistics, Tainan, Taiwan, Oct 14, 1994. Topic "Statistical Consulting Experiences, Methods, and Ten Real Examples", Oct 14, 1994.
31. Tamkang University, Department of Mathematics, Tamsui, Taiwan, Dec 13, 1994. The topic was the same as 30.
32. National Cheng Hsing University, Department of Statistics, Taipei, Taiwan, Dec 14, 1994. The topic was the same as 30.
33. National Chiao Tung University, Institute of Management Science, Taipei, Taiwan, Dec 19, 1994. The topic was the same as 30.
34. National Chung Chih University, Department of Statistics, Taipei, Taiwan, Dec 20, 1994. The topic was the same as 29.
35. The Third International Chinese Statistical Association (ICSA) Joint Statistical Conference, Beijing, China, August 17-20, 1995. Topic "Least Favorable Configurations for a Range Test and an Extremal Quotient Test".
36. The 50th Session of the International Statistical Institute (ISI) Beijing, China, August 21-29, 1995. Topic :Application of Multiple Comparisons with the Average to Financial Market".
37. National Chung Kung University, Department of Statistics, Tainan, Taiwan, August 1-11, 1995. Topics were:
  1. Statistical Consulting, Experience & Methods.
  2. Statistical Consulting and Applications in Clinical Trials.
  3. Consulting, Research and Inference on Heteroscedasticity.
  4. Ranking, Selection and Estimation.
  5. Multiple Comparison Procedures and Recent Development.
  6. Equivalency Test for Several Parameters.
38. National Normal College, Department of Applied Mathematics, Taichung, Taiwan, August 12, 1995. Topic "Multiple Comparison Procedures with Unequal Variances".
39. National Chiao-Tung University, Institute of Management Science, August 14, 1995. Topic "One-Stage Sampling Procedure Under Heteroscedasticity".
40. Xian Institute of Statistics, Xian, China, a series of five talks in "Statistics and applications in petroleum industry", June 15-22, 1996.

41. Tamkang University, Department of Mathematics, Tamsui; National Chung Hsing University, and National Chung-Kung University, Tainan, Taiwan. April 8 to 15, 1996. Funded by National Science Council. Topics were:
  - a. Design, Sampling, and Data analysis used in Statistical Consulting at Chung-Hsing University.
  - b. Analysis of Variance Problems When Variances are Unequal – Two-stage Sampling Procedure at Tamkang University.
  - c. Inference by Single-Stage Sampling Procedure under Heteroscedasticity at Tamkang University.
  - d. Statistical Inference for Linear Contrasts of Means under Heteroscedasticity for Identifying the Minimum Effective Dose at Tamkang University.
  - e. A New Statistical Measure for Evaluating Stock Investment Portfolios at Chung-Kung University.
42. National Chung Chi University, Department of Insurance, Taipei, Taiwan, April 16, 1997. Topic was “Performance ratio for stock portfolios”.
43. Tamkang University, Institute of Statistics, Tamsui, Taiwan, April 30, 1997. Topic was “Performance ratio for stock portfolios”.
44. Feng Chia University, Taichung, Taiwan, Department of Insurance and Statistics, May 9, 1997. Topic was “Statistical Consulting”.
45. National Chiao-Tung University, Institute of Management Science, Taipei, May 19, 1997. Topic was “Performance ratio for stock portfolios”.
46. National Taiwan University, Department of Statistics, Taipei, Taiwan, May 22, 1997. Topic was “Performance ratio for stock portfolios”.
47. National Central University, Department of Finance, Chungli, Taiwan, May 23, 1997. Topic was “Performance ratio for stock portfolios”.
48. National Chung Kung University, Department of Statistics, Tainan, Taiwan, May 24, 1997. Topic was “Performance ratio for stock portfolios”.
49. National Chung Chi University, Department of Finance, Taipei, Taiwan, May 26, 1997. Topic was “Performance ratio for stock portfolios”.
50. National Institute of Development Administration (National University for Graduate Students), Bangkok, Thailand, June 2, 1997. Topic was “Performance ratio for stock portfolios”. June 3, 1997, Topic was “Single stage statistical inference”. June 3, 1997, Topic was “Research ideas and open problems in statistics”.
51. Tung Hai University, Department of Statistics, Taichung, Taiwan, June 17, 1997. Topic was “Performance ratio for stock portfolios”.
52. National Tung Hua University, Department of Applied Mathematics, Hualian, Taiwan, July 5, 1997. Topic was “Performance ratio for stock portfolios”.
53. Academia Sinica IMS and Asian Statistical Meeting, Taipei, July 7-9, 1997. Topics were “Performance ratio for stock portfolios” and “One-stage procedure for minimum effective dose”.
54. National Chung Chi University, Department of Finance, Taipei, Taiwan, Dec. 8, 1997. Topic was “Two-stage range test for the equivalency of normal means”.
55. National Central University, Department of Statistics, Chungli, Taiwan, Dec. 9, 1997. Topic was “Two-stage range test for the ANOVA problems”.
56. Tamkang University, Department of Statistics, Tamsui, Taiwan, December 16, 1997. Topic was “On two-stage range test”.
57. International Conference on Statistical Inference, Combinatorics and Related Areas. Dec. 18-21, 1997. Banaras University, Varanasi, India. Topic was “Two-stage test for the equivalency of normal means”.
58. Tamkang University, Department of mathematics, Tamsui, Taiwan, Dec. 29, 1997. Topic was “Two-stage range test for the analysis of variance problem”.
59. Tamkang University, Department of Mathematics, Tamsui, Taiwan, December 26, 1998. Topics was “A range test for the equivalence of several treatment means with unequal variances.”
60. Second International Conference on Multiple Comparison - - “Single Stage procedure for testing homogeneity of means against ordered alternatives under unequal variances,” Berlin, Germany, June 25 - 28, 2000.
61. “Single Stage procedure for testing homogeneity of means against ordered alternatives under unequal variances”, Second International Conference on Multiple Comparison - -

Berlin, Germany, June 25 - 28, 2000.

**INVITED TALKS (2001-2008):**

1. “Optimal confidence interval for the largest normal mean”, Department of Mathematics, Tamkang University, Taiwan, May 8, 2001.
2. “Two-stage interval estimation for the largest mean”, Department of Statistics, Tamkang University, Taiwan, May 15, 2001.
3. “Optimal confidence interval for the largest normal mean”, Department of Statistics, Tunghai University, Taichung, Taiwan, October 14, Tuesday, 2003.
4. “Optimal confidence interval for the largest normal mean”, Department of Statistics, Chiao Tung University, Nov 21, Friday, 2003.
5. “Optimal confidence interval for the largest normal mean”, Institute of Statistics, Academia Sinica, Taipei, Taiwan, Nov 28, Friday, 2003.
6. “Optimal confidence interval for the mean of the best population”, Institute of Mathematical Education, Ping Tong Normal College, Ping Tong, Taiwan, March 22, 2004.
7. “Optimal confidence interval for the mean of the best normal population”, Department of Statistics and Actuarial Sciences, Feng Chia University, Taichung, Taiwan, March 26, 2004.
8. “Optimal confidence interval for the largest normal mean”, Department of Statistics, National Cheng Kung University, Tainan, Taiwan, April 1, 2004.
9. “Evaluation of the largest U. S. mutual funds”, Two-Strait Management Symposium, Hainan University, April 5-6, 2004.
10. “Optimal confidence interval for the best normal mean and its application”, Department of Statistics, Tamkang University, Tamsui, Taiwan, April 20, 2004.
11. “Evaluation of the largest U. S. mutual funds (1977 – 2004) and recommendation”, Department of Statistics, Tamkang University, Tamsui, Taiwan, April 20, 2004.
12. “Optimal confidence interval for the largest normal mean”, Department of Statistics, National Cheng Chi University, Taipei, Taiwan, April 26, 2004.
13. “Evaluation of the largest U. S. mutual funds and pension plan”, Department of Accountancy, Cheng Kung University, Tainan, Taiwan, May 14, 2004.
14. “ANOVA under heteroscedasticity”, Institute of International Business, National Tung Hwa Univ., keynote speaker on the Symposium, June 4, 2004.
15. “A new regression and anova method under heteroscedasticity”, Institute of Statistics, National Kaohsiung University, Oct 20, 2004.
16. “Regression analysis under heteroscedasticity”, Institute of Statistics, National Dr. Sun-Yi-Sen University, Dec 9, 2004.
17. “Optimal confidence interval for the largest normal mean”, The 3<sup>rd</sup> Air Force Academy Symposium Kaohsiung, Taiwan, June 3, 2005.
18. “Optimal confidence interval for the largest normal mean under heteroscedasticity”, The 14<sup>th</sup> Southern Statistical Conference (joint meetings), Chair of Program Committee, held at Cheng Kung Univ., June 25-26, 2005
19. “General Linear Regression Model under Heteroscedasticity”, Department of Economics, National Taiwan University, October 20, 2005.
20. “Mutual funds and retirement pension calculation”, Department of Accountancy, Tung Hai University, December 14, 2005.
21. Invited Talk at Tingjin Financial University, China, September 22-24, 2006.
22. Invited Talk at Zhejiang University, Hangzhou, China, October 20-22, 2006.
23. Invited Talk at Tamkang University, Taiwan, “Optimal interval for the best population under correlation”, Sept 25, Thur, 2008.
24. Invited Talk at National Taipei University, Taiwan, “Optimal interval and its application to mutual funds”, November 26., Wed, 2008.
25. 2009
26. 2010
27. 2011
28. 2012 Ping Tung Edu University, Oct
29. 2012 Tamkang University, Statistics Oct
30. 2012 Tamkang University, Math Sci. Nov

31. 2012 Chinese Statistical Society Annual Meeting, Dec 8, 2012
32. 2013 Tamkang University, Statistics Dept., Dec 31, 2013
33. 2014 Mingchung Univ, Stat and fin Dept, May 9, 2014

**GRANTS RECEIVED:**

- (1) National Science Council Grant, Taiwan, Principal Investigator, Title “Interval estimation and multiple test of equivalency”, Aug. 1, 2012 –July 31 2013 . NT\$ 910,000. 國科會研究計畫.
- (2) National Science Council Grant, Taiwan, Principal Investigator, Title “Interval estimation and multiple test of equivalency”, Aug 1, 2009 – July 31, 2012. NT\$ 2,500,000. 國科會研究計畫.
- (3) National Science Council Grant, Taiwan, Principal Investigator, Title “On testing the equivalence of several correlated treatments (2)”, Aug 1, 2008 – July 31, 2009. NT\$ 824,000. 國科會研究計畫
- (4) National Science Council Grant, Taiwan, Principal Investigator, Title “On testing the equivalence of several correlated treatments ”, Aug 1, 2007 – July 31, 2008. NT\$ 936,000. 國科會研究計畫.
- (5) National Science Council Grant, Taiwan, Principal Investigator, Title “On testing the bioequivalence of several treatments”, Aug 1, 2003 – July 31, 2007. NT\$ 2,880,000. 國科會研究計畫.
- (6) AROD Grant, 1972, Research Associate \$3,000. Principal investigator: W. J. Hall, University of Rochester.
- (7) Faculty Research Grant, 1976 (at Memphis State University), \$3,600. Principal investigator: Hubert J. Chen. Title - Three State Selection Procedures.
- (8) NIH Grant, 1981 (spring), Research Scholar at Ohio State University, \$2,000. Principal investigator: Edward J. Dudewicz. Title - A Model for Medical Treatments Evaluation.
- (9) Stanford University NASA/ASEE Faculty Summer Research Fellowship Grant, 1982, \$5,500.
- (10) Stanford University NASA/ASEE Faculty Summer Research Fellowship Grant, 1983, \$6,800.
- (11) Academia Sinica, August-December 1984, \$6,000. Principal Investigator: Hubert J. Chen. Title: Ranking and Selection.
- (12) National Cancer Institute Grant, 1985-86, \$23,130. Principal investigator: Hubert J. Chen. Title - Selection and Estimation Procedure for Medical Research.
- (13) National Cancer Institute Grant, 1986-87, \$23,952. Principal investigator: Hubert J. Chen. Title - Selection and Estimation Procedure for Medical Research.
- (14) National Cancer Institute Grant, 1987-88, \$23,092. Principal investigator: Hubert J. Chen. Title - Selection and Estimation Procedure for Medical Research.
- (15) Vice President for Research - Research Travel Grant, 1987, \$1,000 and 1990, \$1,000, University of Georgia.
- (16) Army Research Office - Research Travel Grant thru IMS, 1990, \$1,015.
- (17) UGA Vice President for Research Travel Grant to ISI Meeting, \$1000. August 1991.
- (18) Academia Sinica Travel Research Grant for giving talk at the Institute of Statistics, \$2000, June 1992.

- (19) National Science Council, Taiwan, ROC., Research Grant \$5680, August 1-14, 1995, by Hubert J. Chen at UGA and M. J. Wen at National Chung Kung University.
- (20) National Chung Kung University, Taiwan, ROC., University Research Grant \$1150, August 1-14, 1995, by Hubert J. Chen and M. J. Wen, National Chung Kung University.
- (21) UGA Vice President Research Foundation travel grant for ISI invited meeting, \$1350, August, 1995.
- (22) Tamkang University, Taiwan - Visiting University Research Professor Grant, April 16 - July 9 and Dec, 1997, NTD \$500,000. Tamkang Univ Research fund
- (23) National Sciences Council Grant, Taiwan, ROC. Research workshop, April 1 - April 15, 1997, NTD \$120,000 .

#### **EDITORIAL BOARD/REVIEWERS:**

1. International Editorial Board member of American J. of Math. and Management Science, 1981 - 2005
2. Advisory Board member of the Journal of Statistics and Decision, 1981 - 2005.
3. Reviewers of Math. Reviews, 1981-1984.
4. Judge of Frank Wilcoxon Prize, sponsored by American Society for Quality Control, 1981-1984.
5. Chairing one session at the IMS Annual Meeting, Vail, Colorado, 1981.
6. Referees for JASA, Communications in Statistics, Statistica Sinica, AJMMS, Statistics and Decision, American Statisticians, Technometrics, Journal of Technology, First International Conference on Statistical Computing, Frontier of Modern Statistical Inference on Ranking and Selection, Annals of Statistical Mathematics, South African J. of Statistics, J. of Statistical Inference and Planning, 1973-05.
7. Elected Board of Directors: International Chinese Statistical Association, 1993-96 and Chairman of Membership Drive Committee 1995-98.

#### **PUBLICATIONS (2002-2014):**

1. Chen, S. Y. and **H. J. Chen**. Optimal confidence interval for the largest exponential parameter. **Proceedings of the Statistical Computing Session of the American Statistical Association**, 2002. (CIS)
2. **Chen, H. J.** and Chen S.Y. Optimal confidence interval for the largest normal mean with common unknown variance. **Computational Statistics & Data Analysis** 47 (2004) 845-866. (SCI Journal)
3. **Chen, H. J.** and Wen, M.J. Evaluation on the largest U.S. mutual funds. **The Third Conference on Cross -Strait Industrial Development and Management**. April 6, 2004, Hainan University and Cheng Kung University, 95-98.
4. Chen, S.Y., **Chen, H. J.**, and Chang, H.F. A one-stage procedure for testing homogeneity of means against an ordered alternative under unequal variances. **Communications in Statistics: Simulation and Computation**, **33(1)**, 49-67, 2004. (SCI Journal)
5. **Chen, H. J.** and M. J. Wen. Generation of distribution of the test for testing a general linear hypothesis under heteroscedasticity. **Proceedings of the Statistical Computing Section of the American Statistical Association**, 2005. (CIS Journal)
6. Wen, M. J. and **Chen, H. J.** “ A studentized range test for the equivalency of normal means under heteroscedasticity. **Computational Statistics & Data Analysis**. 51(2006) 1022-1038, 2006.

**(SCI Journal)**

7. **Chen, H. J.** and Wen, M. J. Optimal confidence interval for the largest normal mean under heteroscedasticity. **Computational Statistics & Data Analysis**. 51(2006) 982-1001, 2006. (SCI).  
**(SCI Journal)**
8. Wen, H. J. and **Chen, H. J.** On testing a subset of regression parameters under heteroscedasticity. **Computational Statistics & Data Analysis (SCI Journal)**. 51(2007) 5958-5976. (SCI).
9. **Chen, H. J.** and Chen, S.Y. A note on the optimal confidence interval for the largest normal mean unknown variance. **Computational Statistics & Data Analysis (SCI Journal)**. 51(2007), 3999-4000. (SCI).
10. **Chen, Hubert. J.,** Li, H.L. and Wen\*, M.J. (2008). Optimal confidence interval for the largest mean of correlated populations and its application to stock fund evaluation, *Computational Statistics and Data Analysis*. Vol. 52(2008) 4801-4813. (SCI, JCR 2010 IF=1.089). Supported by NSC 94-2118-M-006-004 and NSC95-2118-M-006-001, Taiwan.
11. **Chen, Hubert. J.,** Wen\*, M.J. and Wang, A.M. (2009). On testing the bioequivalence of several treatments using the measure of distance, *Statistics*, Vol. 43, No. 5(October 2009), 513-530. (SCI, JCR 2010 IF=0.519). Supported by NSC95-2118-M-006-001 and NSC96-2118-M-006-001, Taiwan.
12. **Chen\*, Hubert. J.,** Wen, M.J. and Chuang, C.J. (2011). On testing the equivalence of treatments using the measure of range. *Computational Statistics and Data Analysis*, 55(Jan, 2011), pp. 603-614. (SCI, 2010 IF=1.089). Supported by NSC97-2119-M-006-004 and NSC98-2118-M-006-001, Taiwan.
13. Guo, J.H., Chen, Hubert J., Luh\*, W.M. (2011). Improved sample size estimation for testing the hypothesis of equivalence of two means, *British Journal of Mathematical and Statistical Psychology*, Vol 64, Issue 3 (Nov, 2011), pp. 439-461. (SSCI, SCI, JCR 2010 IF=1.419). Supported by NSC 99-2118-M-006-001 and NSC100-2118-M-006-001, Taiwan.
14. Chen, Hubert J and Wu, Shu-Fei (2012). A confidence region for the largest and the smallest means under heteroscedasticity *Computational Statistics and Data Analysis*, 56 (2012)1692-1702. Supported by NSC 100-2118-M-006-001, Taiwan .
15. Shao, Pei-Chi, Chang, Yu-Herng and Chen, Hubert J. (2013). Analysis of an aircraft accident model in Taiwan. *Journal of Air Transport Management*, 27 (2013)34-38. Supported by NSC101-2118-M-006-001, Taiwan.
16. Hubert J Chen, Shu-Fei Wu, Pei-Chi Shao, Weng-gine Wang (2014). On testing the mean equivalence of treatments from correlated normal populations. *Communications in Statistics-Simulation and Simulation*. To appear.
17. Shu-Fei Wu, Hubert J Chen (2014) . An Optimal Confidence Region for the Largest and the Smallest Means from a Multivariate Normal Distribution. *Communications in Statistics-Simulation and Simulation*. To appear.

**PUBLICATIONS (1975-2003):**

1. Chen, H. J. (with E. J. Dudewicz and J. S. Ramberg), "New Tables for Multiple Comparisons with a Control (Unknown Variances)," *Biometrische Zeitschrift*, Vol. 17 (1975), 13-26.
2. Chen, H. J., "Strong Consistency and Asymptotic Unbiasedness of a Natural Estimator for a Ranked Parameter," *Sankhya B*, Vol. 38, (1975), 92-94.
3. Chen, H. J. (with A. W. Montgomery). "A Table for Interval Estimation of the Largest Mean of k Normal

- Populations," **Biometrische Zeitschrift**, Vol. 17 (1975), 411-414.
4. Chen, H. J. (with E. J. Dudewicz). "Procedures for Fixed-Width Interval Estimation of the Largest Normal Mean," **Journal of American Statistical Association**, Vol. 71 (September 1976), 752-756.
  5. Chen, H. J. (with E. J. Dudewicz and Y. J. Lee). "Subset Selection Procedures for Normal Means Under Unequal Samples Sizes," **Sankhya B**, Vol. 38 (1976), 249-255.
  6. Chen, H. J., "Estimation of Ordered Parameters from k Stochastically Increasing Distributions," **Naval Research Logistics Quarterly**, Vol. 24, No. 2 (June 1977), 269-280.
  7. Chen, H. J., "Tables of Percentage Points for Interval Estimation of a Ranked Normal Mean with Unequal Sample Sizes," **Biometrische Zeitschrift**, Vol. 19 (1977), 627-635.
  8. Chen, H. J., "Non-Existence of an Exact - Confidence Interval for a Ranked Scale Parameter," **Australian Journal of Statistics**, Vol. 19, No. 1 (1977), 43-55.
  9. Chen, H. J., "Percentage Points of Multivariate t Distribution and Their Application." Adapted by Gibbons, J. D., Olkin, Ingram and Sobel, Milton in their book: **Selecting and Ordering Populations: A New Statistical Methodology**, John Wiley and Sons, 1977, 406-408.
  10. Chen, H. J., "A Class of Fixed-Width Confidence Intervals for a Ranked Normal Mean," **Communications in Statistics B6**, No. 2 (1977), 137-156.
  11. Chen, H. J., "Estimation of the Best Alternative," **Proceedings of 1977 Winter Simulation Conference**, Vol. 1 (1977), 72-79.
  12. Chen, H. J., "Interval Estimation of the Best Parameter of k Populations," Vol. VII, **Economic Essays**, National Taiwan University, (November 1977), 77-82.
  13. Chen, H. J. (with Charles E. Gates and David V. Hinkley), "Transformation of Pesticide Concentration Data in Analysis of Variance," prepared under contract with Ebon Research Systems in response to FDA Basic Ordering Agreement 223-77-2399. September 1978.
  14. Chen, H. J., "On the Approximations to the Inverse Student's t-Distribution Function," **Journal of Statistical Computation and Simulation**, Vol. 7, (1978), 167-180.
  15. Chen, H. J. (with Paul J. Tsai and Mike W. Wang), "Confidence Intervals for the Largest Mean from k Correlated Normal Populations," **Communications in Statistics B7(3)**, (1978), 205-222.
  16. Chen, H. J. (with P. J. Tsai). "Optimal Confidence Interval for the Largest Mean of k Correlated Normal Populations," American Statistical Association 1978 Proceedings of the Statistical Computing Section, (1978), 225-231.
  17. Chen, H. J., "Percentage Points of Multivariate t Distribution and Their Application," **Biometrical Journal**, Vol. 21, No. 4, (1979), 347-359.
  18. Chen, H. J. (with P. J. Tsai). "Optimal Confidence Interval for the Largest Mean in Repeated Measurements Design," **Biometrika**, Vol. 67, No. 1, (1980), 119-126.
  19. Chen, H. J., "Selecting a Group of Treatments Better than a Standard in a Repeated Measurements Design," American Statistical Association 1979 Proceedings of the Statistical Computing Section.
  20. Chen, H. J., "On Selecting a Subset which Contains all Populations Better Than a Control," **Communications in Statistics**, A9(8), (1980), 851-864.
  21. Chen, H. J. (with Thompson, F. N., et.al.). "Serum Progesterone Concentrations in Pregnant and

- Nonpregnant Heifers and after Gonadotropin Releasing Hormone in Luteal Phase Heifers," **Theriogenology**, 13, No. 6, (1980), 407-417.
22. Chen, H. J., "Procedures for Simultaneous Estimation and Selection of the Best Population with a Preliminary Test," American Statistical Association 1981 Proceedings of the Statistical Computing Section.
  34. Chen, H. J., "A New Range Statistic for Comparisons of Several Exponential Location Parameters," **Biomterika** 69, (1982), 257-260.
  35. Chen, H. J., "A Class of Confidence Intervals for the Largest Mean of a Multivariate Normal Population," **Statistical Computation and Simulation** 14,(1982), 133-148.
  25. Chen, H. J. (with Yuan, S. P.). "On Concurrence of Several Linear Regressions and Applications to Problems of Enzyme Kinetics," **Communications in Statistics, A**, 11, (1982), 395-409.
  26. Chen, H. J., "A New Selection Procedure for Selecting the Best Population," **The Frontiers of Modern Statistical Inference Procedures**, American Sciences Press, Inc., Columbus, Ohio, (1985), 99-117.
  27. Chen, H. J., "On Selecting a Group of Better Treatments in a Repeated Measurement Design," **Statistics and Decision**, 2, (1984), 63-73.
  28. Chen, H. J. (Pickett, J. R.). "Selecting All Treatments Better than a Control Under a Multivariate Normal and a Uniform Prior Distribution," **Communications in Statistics, A**, 13(1), (1984), 59-80.
  29. Chen, H. J., "Sample Size Determinations when Binomial Proportions are Very Small," **Communications in Statistics**, 13, (1984), 2707-2712.
  30. Chen, H. J. (with E. J. Dudewicz). "A New Subset Selection Theory for all Best Populations and its Applications," *Developments in Statistics and Its Applications*, edited by A. M. Abouaminoh, E.E.A. Aly, E. A. El-Newihi, and M. A. Al-Osh, King Saud University Press, Riyadh, Saudi Arabia, (1984), 63-87.
  31. Chen, H. J. (with S. Y. Chen and J. Sirichote). "Selecting all Treatments Better than a Control with a Binomial Prior Distribution," **Comm. Statist. - Simula. Computa.**, 14(1), (1985),187-221.
  32. Chen, H. J. (with J. R. Pickett). "Some Properties of a Log-Power Transformation on Exponential Data," **Management Sciences**, (1985).
  33. Chen, H. J. (with J. Mithongtae). "Selection of the Best Exponential Distribution with a Preliminary Test," **American Journal of Mathematical and Management Sciences**, Vol. 6, (1986), 219-249.
  34. Chen, H. J. (with E. J. Dudewicz and W. T. Lin). "A Simulation Analysis for Ranking and Selecting the Best Combination of Production and Accounting Control Systems," **American Journal of Mathematical and Management Sciences**, Vol. 6, (1986), 109-130.
  35. Chen, H. J. (with K. Lam). "Single-stage Interval Estimation of the Largest Normal Mean under Heteroscedasticity". **Comm. Statist. -- Theory and Methods**, A18(10), (1989), 3703-3718.
  36. Chen, H. J. (with K. Vanichbuncha). "Simultaneous Upper Confidence Bounds for Distances from the Best Two-Parameter Exponential Distribution", **Comm. Statist. -- Theory and Methods**, 18(8), (1989), 3019-3031.
  37. Chen, H. J. (with K. Vanichbuncha). "Multiple Comparisons with the Best Exponential Distributions". **The Frontiers of Statistical Scientific Theory and Industrial Applications**. 57-76, American Science Press (1991).
  38. Chen, H. J. (with K. Lam). "Percentage Points of a Studentized Range Statistic Arising from Non-Identical Normal Random Variables", **Comm. in Statist. - Simul. and Compu.**, 20(4), 995-1047, (1991).

39. Chen, H. J. (with E. J. Dedewicz). "Subset Selection with Expected Subset Size Control", **The Frontiers of Modern Statistical Inference Procedures, Vol. II**, American Sciences Press (1992), 177-222, ed. Bofinger & Dudewicz.
40. Chen, H. J., (with Bristol, D. R. and Mithongtae, J. S). "Comparing Exponential Guarantee Times with a Control". **The Frontiers of Modern Statistical Inference Procedures, Vol. II**, American Sciences Press (1992), 95-151, ed. Bofinger and Dudewicz.
41. Xiong, M., Wang, P., Arnold, J. and Chen, H.J. Measurement error model estimation using cluster analysis and unconstrained optimization. **PROCEEDINGS OF THE 23RD ANNUAL MEETING ON DECISION SCIENCES INSTITUTE**, 22-24, 1992, San Francisco, CA.
42. Xiong, M., Wang, P., Arnold, J. and Chen, H.J. Hybrid Kohonen self-organizing neural network and multi-layer neural network model for pattern recognition and nonlinear regression. **PROCEEDINGS OF ARTIFICIAL NEURAL NETWORKS IN ENGINEERING**, Vol. II, 439-444, edited by Burke, L. I. and Shin, Y. C. ASME Press, New York, 1992.
43. Xiong, M., Arnold, J. and Chen, H.J. Mathematical model of neural learning. **PROCEEDINGS OF THE CONFERENCES ON ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING**, 20-24, Orlando, FL, 1992.
44. Chen, H. J., (with K. Lam and M. Xiong). "Range Tests for the Dispersion of Several Location Parameters. **Journal of Statistical Planning and Inference**. Vol. 36, 15-25 (1993).
45. Chen, H. J. (with H. M. Zhang). "Procedures for Simultaneous Estimation and Selection of the Best Populations with a Preliminary Test". **American Journal of Mathematical and Management Sciences**. Vol 13, 195-216 (1993)..
46. Chen, H. J. (with C. K. Ng, and K. Lam). "Multiple Comparison of Exponential Location Parameters with the Best under type II Censoring," **American Journal of Math. and Management Sciences**. Vol. 12, 383-402 (1993).
47. Chen, H. J. (with J. J. Bau and M. Xiong). "Percentage Points of the Studentized Range Test for Dispersion of Normal Means", **Journal of Statistical Computation and Simulation**. Vol. 44, 149-163, (1993).
48. Chen, H. J. (with J. J. Bau and K. Lam). "On Using Hartley's Statistic to Test the Hypothesis of Not Much Difference Among Normal Variances", **Journal of Statistical Computation and Simulation**. Vol. 45, 41-60, 1993.
49. Xiong, M., Arnold, J. and Chen, H.J. An  $O(n^3L)$  neural network model for linear programming. **PROCEEDINGS OF WORLD CONGRESS ON NEURAL NETWORKS**, Vol I, 654-657, July 11-15, 1993, Poland.
50. Xiong, M., Arnold, J. and Chen, H.J. A neural network model based on differential-algebraic equations for nonlinear programming. **INTERNATIONAL CONFERENCE ON NEURAL NETWORKS**, 923-928, March 28 - April 1, 1993, San Francisco.
51. Chen, H. J. (with M. J. Wen). "Single-Stage Multiple Comparison Procedures Under Heteroscedasticity". **American Journal of Mathematical and Management Sciences** □ Vol. 14. No 1 & 2, 1-48, 1994.
52. Xiong, M., Chen, H. J., Prade, R. A., Wang, Y., Griffith, J., Timberlake, W. E., and Arnold, J. On the consistency of a physical mapping algorithm to reconstruct a chromosome. **Genetics**, 142, 267-284, 1996.
53. Chen, H. J., (with Chen, S. Y.). **ASA 1996 Proceedings for Statistical Computing Session** -- "Single-stage analysis of variance".
54. Chen, H. J., (with Chen, S. Y.). **ASA 1997 Proceedings for Statistical Computing Session** -- "One-stage

- range test and multiple comparisons of means under heteroscedasticity”.
55. Chen, H. J. (with Bau, J. J. & Chen, S. Y.). "Lower Percentage Points of Hartley's Extremal Quotient Statistic and Their Application. **Commun. Statist.- Comp. & Simul.** 26(2), 443-465, 1997.
  56. Chen, H. J. (with Wu, S. F.). “Multiple comparison procedures with the average for exponential location parameters when sample sizes are unequal.” (With S. F. Wu). **International Journal of Information and Management Sciences**, Vol. 8, No. 4, 41-54, 1997.
  57. Chen, H. J. (with Chen, S. Y.). “Single-stage analysis of variance under heteroscedasticity.” **Communications in Statistics - Simul. And Compu.**, 27(3), 641-666, 1998.
  58. Chen, H. J. (with Wu, S. F. ). “Multiple comparison procedures with the average for exponential location parameters.” **Computational Statistics and Data Analysis**, Vol. 26, 461-484, 1998.
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