

VITAE  
**CHUNG CHEN**

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**Education**

Ph.D. in Business & Statistics, 1984

Department of Statistics, University of Wisconsin, Madison

B.S. in Mathematics, 1975

National Taiwan University, Taipei, Taiwan

**Specialty**

Teaching

Time Series Analysis, Multiple Time Series Analysis, Linear Models, Sampling Methods, Risk Management, Global Setting, International Finance, Forecasting Methods, Management of Technology, Experimental Design, and Basic Statistics.

Research & Consulting

Data Mining and Risk Management, Time Series Modeling, Forecasting Methods, Statistical Analysis of Financial Models, Technology Management, Applications of Macro-econometric Models, and Design and Analysis of Longitudinal data in Biological Research.

**Professional Appointments**

- 1982-1984     **Research Associate**, Graduate School of Business, University of Chicago, Chicago, IL.  
1984-1988     **Assistant Professor**, Department of Management & Systems, Washington State University, Pullman, WA.  
1988-1989     **Visiting Assistant Professor**, Department of Quantitative Methods, School of Management, Syracuse University, Syracuse, NY.  
1989-1992     **Assistant Professor**, Department of Quantitative Methods, School of Management, Syracuse University, Syracuse, NY.  
1992-2004     **Associate Professor**, Department of Management Information and Decision Sciences, Whitman School of Management, Syracuse University, Syracuse, NY.  
2005-present   **Associate Professor**, Department of Finance, Whitman School of Management, Syracuse

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	University, Syracuse, NY.
1993-present	<b><u>Associate Director</u></b> , Pacific Area Programs, Kiebach Center for International Business Studies, School of Management, Syracuse University, Syracuse, NY.
1994-1998	<b><u>Area Coordinator</u></b> , Managerial Statistics, Department of Quantitative Methods, School of Management, Syracuse University, Syracuse, NY.
1995-1995	<b><u>Visiting Associate Professor</u></b> , Graduate School of Business, The University of Chicago, Chicago, IL
1995-2001	<b><u>Board Member</u></b> , Syracuse-Shanghai International School of Business, Shanghai, China
1998-2001	<b><u>Chairman</u></b> , Department of Quantitative Methods, School of Management, Syracuse University, Syracuse, NY.
2002-2003	<b><u>Associate Director</u></b> , SU DIPA China program at Shanghai, China
2003 - present	<b><u>Director</u></b> , SU DIPA China program at Shanghai, China
2004-present	<b><u>Distinguished Professor, (reviewed and approved by the Ministry of Education of Taiwan government)</u></b> , Fu-Jen Catholic University, Department of Statistics and Information Management
Spring, 2005	<b><u>Visiting Professor</u></b> , Guanghua School of Management, Department of Business Statistics and Econometrics, Peking University

## Consulting Experience

Growth of machinery industry in China, Pollution and Environmental Studies, State Revenues Forecast, Energy Demand Forecasts, Studies of Market Structure, Sales forecasts in fast-food industry, Market Analysis for toy industry, Sampling Design for Inventory Control, Forecasting demand and revenues in the telecom industry and Development of Statistical Software.

## Honors

1992 - Exceptional Scholarship Award, School of Management, Syracuse University, Syracuse, NY

## Editorial Appointment:

2006-2009 – **Associate Editor**, *Finometrika*

2006-2009 – **Associate Editor**, *Journal of Data Analysis*

2002 -2007 – **Associate Editor**, *Statistica Sinica*

2001-present – **Associate Editor**, *Journal of Data Science*

1999 -2005 - **Managing Editor**, *Statistica Sinica*

1993-2001 - **Associate Editor**, *Journal of Business and Economic Statistics*, one of the official journals of American Statistical Association

1996-present - **Associate Editor**, *Fu Jen Management Review*

## Sponsored Research

“Measurements of Regional Economic Development in Greater Chinese Economic Region and Their Implications to Future Developments”, \$68,000.00 research grant sponsored by the Chiang Ching-Kuo

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Foundation for International Scholarly Exchange (USA), 8361 B. Greensboro Dr. McLean, Va. 22102, 1997-1998 academic years.

### **Publications in SCI (Science Citation Index) or SSCI refereed Journals**

1. I. Chang and G.C. Tiao, C. Chen, Estimation of Time Series Parameters in The Presence of Outliers. *Technometrics*, Vol. 30, No. 2, pp. 193-204, May 1988.
2. Chen, C. and G.C. Tiao, Random Level Shift Time Series Models, ARIMA Approximations and Level Shift Detection. *The Journal of Business and Economic Statistics*, Vol. 8, No. 1, pp. 81-96, January 1990.
3. Chen, C. and C.J. Lee, Vector ARMA Test on Gibson Paradox. *Review of Economics and Statistics*, Vol. LXXII, No. 1, 96-107, February, 1990.
4. Lee, C. J. and C. Chen, Structural Changes and the Forecasting of Quarterly Accounting Earnings in the Utility Industry. *Journal of Accounting and Economics*, Vol. 13, pp. 93-122, July 1990.
5. Chen, C. and L. M. Liu, Joint Estimation of Model Parameters and Outlier Effects in Time Series, *Journal of American Statistical Association*, Vol. 88, No. 421, pp. 284-297, March 1993.
6. Chen, C. and L.M. Liu, Forecast Time Series with Outliers, *Journal of Forecasting*, Vol. 12, pp. 13-35, January 1993.
7. Chen, C., with Y. Zhang and L. Chang, The Role of Foreign Direct Investment in China's post-1978 Economic Development, *World Development*, Vol. 23, No. 4, pp. 691-703, 1995.
8. Chai, J. and C. Chen, Joint Effects of Measurement Errors and Grouping on the Estimation of Moment Correlations, *Communications in Statistics-Theory and Methods*, 24(1), pp. 283-294, 1995.
9. Park, Y., C. Chen and T. J. Murray, Predicting Sun Spots Using a Layered Perceptron Neural Network, *IEEE Transactions on Neural Networks*, Vol. 7, No. 2, pp. 501-505, 1996.
10. Yang, Z-J, Meguid MM, Koseki, Oler A, Boyd and C. Chen, Increase in Food Intake and Body Weight Gain after Bilateral Hypothalamic Fetal-Dopaminergic Cell Transplantation, *NeuroReport*, Vol. 7 No, 2, pp. 449-453, 1996
11. Yang, Z. J., M.M. Meguid, J.K. Chai, C. Chen and A. Oler , , Bilateral hypothalamic dopamine infusion in male Zucker rat suppresses feeding due to reduced meal size. *Pharmacology, Biochemistry and Behavior*. Vol. 58, No. 3, pp. 631-635, 1997.
12. Tiao, G.C., R. Tsay, C.Chen, Chu, Lin, Hsu, et, al., A Time Series Approach to Econometric Models of Taiwan's Economy, *Statistica Sinica*, Vol. 8, Number 4, pp. 991-1044, October 1998.
13. Fetissov, S. O., Meguid, M. M., Chen, C., and Miyata G., Synchronized release of dopamine and serotonin in the medial and lateral hypothalamus. *Neuroscience*, Vol. 101, No. 3, pp 657-663, July 2000.
14. Tomoi Sato, M. M. Meguid, R. H. Quinn, L. Zhang, and C. Chen, Feeding behavior during sialodacryoadenitis viral infection in rats, *Physiology & Behavior*, Vol. 72, pp. 721-726 (2001).
15. Tomoi, Sato, Serguei O. Fetissov, M. M. Meguid, Go Miyata, and C. Chen, Intra-supraoptic nucleus sulphiride improves anorexia in tumor-bearing rats, *NeuroReport*, Vol. 12, No. 11, 8 August, 2001.

16. Tomoi, Sato, Michael M. Meguid, Serguei O. Fetissov, C. Chen and Lihua Zhang, Hypothalamic dopaminergic receptor expressions in anorexia of tumor-bearing rats, *Am. J. Physiological Regulatory Integrative Comp. Physiology*, **Vol. 281**, December 2001.
17. Xu, Y., K. Ohinata, M. M. Meguid, W. Marx, D. O. T. Tada, C. Chen, R. Quinn, D. V. M., and A. Inui, "Gastric Bypass Model in the Obese Rat to Study Metabolic Mechanisms of Weight Loss", *Journal of Surgical Research* **107**, 56-63, 2002.
18. Wang, J., X. Yang, C. V. Camporesi, Z. Yang, G. Bosco, C. Chen, and E. M. Camporesi, "Effect of propofol on MCAO-induced focal ischemia injury and extracellular dopamine level.", *European Journal of Pharmacology*, 452: 303-308, 2002.
19. Sato T, Meguid MM, Miyata G, Chen C, Hatakeyama, K. Does leptin really influence cancer anorexia? *Nutrition* 2002; 18:82-83.
20. Nandi J, Meguid MM, Inui A, Xu Y, Makarenko I, Tada T, and Chen C. Central mechanisms involved with catabolism. *Current Opin Clin Nut & Metab Care* 2002; 4: 407-418.
21. DaSilva MS, Zimmerman PM, Meguid MM, Nandi J, Ohinata K, Chen C and Inui A. Anorexia in space and possible etiologies: an overview. *Nutrition* 2002; 18:805-813.
22. Makarenko I, Meguid MM, Gatto L, Chen C and Ugrumov M. Decreased NPY innervation of the hypothalamic nuclei in rats with cancer anorexia. *Brain Research* 2003; 961:100-108.
23. T. Sato, A. Laviano, M. M. Meguid, C. Chen, F. Rossi-Fanelli, and K. Hatakeyama, "Involvement of Plasma Leptin, insulin and free tryptophan in cytokine-induced anorexia," *Clinical Nutrition*, 22(2): 139-146 (2003).
24. E. J. B. Ramos, Y. Xu, I. Romanova, F. Middleton, C. Chen, R. Quinn, Akio Inui, U. Das, and M. Meguid, "Is obesity an inflammatory disease?", *Surgery*, Vol. 134, No. 2, p. 329-335, August 2003.
25. Meguid MM, Ramos EJB, Laviano A, Varma M, Sato T, Chen C, Qi Y, Das UN. Tumor Anorexia: Effects on neuropeptide Y and monoamines in paraventricular nucleus. *Peptides* 2004; 25:261-6.
26. Meguid MM, Ramos EJB, Suzuki S, Xu Y, George Z, Das UN, Hughes K, Quinn R, Chen C, Marx W, Cunningham PRG. A surgical rat model of human Roux-en-Y gastric bypass. *J Gastro Surgery* 2004; 8:621-30.
27. Xu Y, Ramos EJB, Middleton F, Romanova I, Quinn R, Chen C, Das UN, Inui A, Meguid MM. Gene expression profiles post Roux-en-Y Gastric Bypass. *Surgery* 2004; 136:246-52
28. Ramos EJB, Suzuki S, Meguid MM, Laviano A, Sato T, Chen C, Das UN. Changes in hypothalamic neuropeptide Y and monoaminergic system in tumor-bearing rats: Pre and post tumor resection and at death. *Surgery* 2004; 136:270-276.
29. Romanova, I.V., Ramos, E. J. B., Xu, Y., Quinn, R., Chen. C., George, E. M., Inui, A., Das, U., Meguid, M. M., Neurobiologic Changes in the Hypothalamus Associated with weight loss after Gastric Bypass, *Surgical Forum*, Vol. 199, No. 6, December, 2004, 887-895.
30. Makarenko, I. G., Meguid, M. M., Gatto, L., Goncalves, C., Ramos, E. J. B., Chen, C. and Ugrumov, M. V., Hypothalamic 5-HT<sub>1B</sub>-receptor changes in anorectic tumor bearing rats, *Neuroscience Letters*, 376 (2005), 71-76.
31. Makarenko, I. G., Meguid, M.M., Gatto, L., Chen, C., Ramos, E.J.B., Goncalves, C. G., Ugrumov, M. V., Normalization of Hypothalamic Serotonin (5-HT<sub>1B</sub>) Receptor and NPY in Cancer Anorexia After Tumor Resection: An Immunocytochemical Study, *Neuroscience Letters*, (2005) Aug 5;383(3):322-7.

32. Suzuki, S., Ramos, E. J. B., Goncalves, C. G., Chen, C., and Meguid, M. M., “Changes in G I hormones and their effect on gastric emptying and transit times after Roux-en-Y gastric by pass in rat model”, *Surgery*, (2005) Aug;138(2):283-90.
33. Ramos EJ, Romanova IV, Suzuki S, Chen C. Ugrumov MV, Sato T, Goncalves CG, Meguid MM. “Effects of omega-3 fatty acids on orexigenic and anorexigenic modulators at the onset of anorexia.” *Brain Res.* 2005 Jun 7;1046(1-2):157-64.
34. Goncalves CG, Ramos EJ, Romanova IV, Suzuki S, Chen C, Meguid MM. “Omega-3 fatty acids improve appetite in cancer anorexia, but tumor resecting restores it,” *Surgery.* 2006 Feb;139(2):202-8.

## Publications in (Non-SCI) refereed Journals

1. Chen C., L. M. Liu , G. C. Tiao, and R. S. Tsay , Outlier and Intervention Analysis in Dynamic Regression Models, in Chinese, *Journal of Chinese Statistical Association*, Vol. 29, No. 1, pp. 1-26, March 1991.
2. L. M. Liu and C. Chen. Recent Developments of Time Series Analysis in Environment Impact Studies, *Journal of Environmental Science and Health* , Vol. 26, No. 7, p. July 1991.
3. Fletcher, R. and C. Chen. Stock Returns, Real Activity, and Money: Causality Testing Using a Multiple Hypotheses Testing Approach, *Review of Quantitative Finance and Accounting*, Vol. 3, pp. 429-445, 1993.
4. Chen, C., C.F. Lee, P. Newbold and C. Wu , On The Existence of Alternative Dynamic Daily Market Models, *Advances of Financial Planning & Forecasting*, Vol. 5, pp. 165-180, 1994.
5. Zhang, Y. M. and C. Chen. Comparative Study of Economic Reform in China and Central and Eastern Europe, *Journal of Shanghai Institute of Mechanical Engineering*, part 1, Vol. 16, No. 3, pp. 13-24, 1994 and part 2 Vol. 16, No. 4, pp. 29-40, 1994.
6. Chen, C. Cheng-Hsien Chang, Peter Koveos and Yin-Min Zhang , Comparative Study of Economic Development: The Case of Shanghai and Taiwan, *Advances in Pacific Basin Business, Economics and Finance*, Vol. 1, pp. 163-182, 1995.
7. Chen, C. and C. Wu, The Dynamics of Dividends, Earnings, and Prices: Evidence and Implications for Dividend Smoothing and Signalling, *Journal of Empirical Finance*, Vol. 6 No. 1, January 1999, pp. 29-58.
8. Tomoi Sato, M. M. Meguid, S. O. Fetissov, C. Chen. Amelioration of Cancer Anorexia Resides in the Hypothalamus, *Surgical Forum*, Vol. LI, pp. 302-304, 2000.
9. Chen, C. Koveos, P. and Zhang, Y. M., “Economic Developments Under Political and Economic Asymmetries: The Case of Shanghai and Taiwan”, . the *Journal of Economic Asymmetries* , Vol. 2, No. 1, pp. 41-58, 2005

## Book

- “The Art of Statistical Analysis”, Chung Chen. Tamkang Chair Lecture Series, No. 124., International Exchange Committee, Tamkang University, Taipei, Taiwan, ROC, 2000.

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“RiskMetrics” in Chinese, 317 pages, with Yimin Zhang, Hwa Chao, Yun-he Shi, ISBN 7-80656-207-9/F.108, 2001, Management Series of Hu\_Jiang College of Commerce, Shanghai University for Science and Technology..

## Book Review

- [ 1 ] The Econometric Analysis of Time Series, second edition, by A.C. Harvey, *Journal of American Statistical Association*, June 1991, pp. 552-553.
- [ 2 ] Forecasting and Time Series Analysis, second edition, by Douglas C. Montgomery, *Journal of American Statistical Association*, March 1992, p. 256.
- [ 3 ] Quantitative Forecasting Methods, by Nicholas R. Farnum and La Verne, *Technometrics*, August 1992, p. 358.

## Manuscripts

- [ 1 ] "Outlier Detection and Adjustment in Time Series Modeling and Forecasting," (with L.M. Liu and G.B. Hudak), August 1990, Working Paper Series, Scientific Computing Associates, P. O. Box 625, DeKalb, IL 60115.
- [ 2 ] "Two-stage Learning for Feed-forward Neural Networks with a Single Hidden Layer," with Y.C. Lin, submitted to *IEEE transactions on Neural Network*, rejected and under revisions.
- [ 3 ] "The Convergence of Two-stage Learning Algorithms for Feed-forward Neural Networks with a Single Hidden Layer," with Y. C. Lin.
- [ 4 ] "Statistical Behavior of Two-stage Learning Algorithms for Feed-forward Neural Networks with a Single Hidden Layer," with Y. C. Lin, submitted to *Communications in Statistics*, rejected, currently being revised for resubmission elsewhere.
- [ 5 ] "On a Multiple Hypotheses Testing Procedure" (with Kasing Man), February, 2006, submitted to the *American Statisticians*.
- [ 6 ] "The Intervaling Effect of Individual Firm's Beta" with Juming Hsu, submitted to the *Management Sciences*, May,2005, rejected, revised and submitted to *Journal of Banking and Finance*, August, 2006.
- [ 7 ] "The Performance of Simple Technical Rules on Individual Stocks", (with Junming Hsu and Jinag-yu Yeh), submitted to the *Journal of Financial & Quantitative Analysis*, February,

## Work in Progress

- [ 1 ] "Outliers in Multiple Time Series."
- [ 2 ] "Dynamic Relations of stock prices between spot and future markets".
- [ 3 ] "Power Transformations and Forecasting" with Lonmu Liu and William Lattyak, (2006)
- [ 4 ] "Hyperbaric Oxygenation Ameliorates Indomethacin-Induced Enteropathy in Rats by Modulating TNF-a and IL-1 beta Production" (with Z. J. Yang) accepted for publication in *Digestive Diseases and Surgery* (2006).
- [ 5 ] "Effects of hyperbaric oxygen on glucose, lactate, glycerol and antioxidant enzymes in the skeletal muscle of rats during ischemia and reperfusion", (with Gerardo Bosco, Zhong-jin Yang, Jyotirmoy Nandi, Jingping Wang, and Enrico M Camporesi).

## Professional Presentation

- [ 1 ] " Diagnostic Method For Detecting Random Level Shift In Time Series," (with G.C. Tiao), invited paper presented at NSF-NBER seminar on time series, Davis, California, October 1984.
- [ 2 ] "Is The Gibson Paradox a Myth? Coming Home From A Journey Of Cycle," (with C. J. Lee), contributed paper presented at the Annual Meeting of American Statistical Association, Chicago, August 1986.
- [ 3 ] "Identifying Relationship Between Economic Variables," presented at Economics and Econometrics Colloquium organized by the Institute of Economics, Academia Sinica, Taipei Taiwan, July 6, 1987.
- [ 4 ] "Forecasting Accounting Earnings in The Presence of Structural Changes," (with C.J. Lee), contributed paper presented at the Annual Meeting of American Statistical Association, San Francisco, August 1987.
- [ 5 ] "Discussion: Outliers in Time Series," invited discussion presented at the Annual Meeting of American Statistical Association, San Francisco, August 1987.
- [ 6 ] "Forecasting Accounting Earnings in The Presence of Structural Changes," (with C. J. Lee), contributed paper presented at the Annual Meeting of American Accounting Association, Orlando Florida, August 1988.
- [ 7 ] "Joint Effect of Errors of Measurement and Grouping," (with J. Chai), presented at the ASA 1989 Annual Meetings, Washington, DC.
- [ 8 ] "Statistical Procedures for Estimating Reorder Point with Correlated Inventory Demands," (with M.C. Wang and Bahari-Kashani ), contributed paper presented at the Annual Meeting of Decision Science Institute , Las Vegas Nevada, November 1988.
- [ 9 ] "Some Diagnostic Tools in Time Series Analysis," presented at Syracuse Chapter of American Statistical Association, December 8, 1988.

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- [ 10 ] "Level Shift in Time Series Analysis," (with G. C. Tiao), invited paper in a special session of Outliers in Time Series at the ASA 1989 Annual Meetings, Washington, DC.
  - [ 11 ] "Detecting Dynamic Economic Relations," (with C. J. Lee), invited paper presented at the NSF-NBER seminar on time series analysis, Madrid, Spain, October 1989.
  - [ 12 ] "Joint Effect of Measurement Errors and Grouping: an Empirical Study," (with J. Chai and Siva), contributed paper in the ASA 1989 winter conference, Orlando, Florida.
  - [ 13 ] "Time Series Diagnostics," presented at the Statistics Colloquium, Department of Statistics and Actuary Sciences, University of Waterloo, Waterloo, Ontario, Canada, March 5, 1990.
  - [ 14 ] "Robust Estimation in Time Series: A Parametric Approach" (with L.M. Liu), contributed paper in the ASA 1990 joint meetings, Anaheim, California.
  - [ 15 ] "Outliers in Multiple Time Series," invited paper at the conference of Theory and Applications of Multivariate Time Series Analysis, June 29-July 5, 1991, Seattle, Washington.
  - [ 16 ] "Forecasting Time Series with Outliers" (with L.M. Liu), contributed paper in the ASA 1991 joint meetings, August 10, 1991, Atlanta, Georgia.
  - [ 17 ] "A study of Neural Network Design and Its Applications to Statistical Forecasting" (with Thomas J. Murray and Young R. Park), contributed paper to the 24th Symposium on the Interface: Computing Science and Statistics, March 18-21, 1992, College Station, Texas.
  - [ 18 ] "China's Foreign Trade and Economic Reform" (with Yimin Zhang), contributed paper in the International Conference on Comparative Economic Reform: China and Central Europe, May 1992, Syracuse, New York.
  - [ 19 ] Invited discussant in the section of "Topics in Time Series Analysis," American Statistical Association 1992 joint meetings, August 11, 1992, Boston, MA.
  - [ 20 ] "Forecast Electricity Consumption: The Effects of Contemporaneous Aggregation," contributed paper in the ASA 1992 meetings, August 12, 1992, Boston, MA.
  - [ 21 ] "Stock Returns, Real Activity, and Money: Causality Testing in the Presence of Non-Nested Hypotheses," (with Roy Fletcher), contributed paper in the Financial Management Association annual meeting, October 21-24, 1992, San Francisco, CA.
  - [ 22 ] "A Comparative Study of Economic Development: The Case of Shanghai and Taiwan," (with Cheng-Hsien Chang, Peter Koveos, and Yi-Min Zhang), contributed paper in the International Conference on Comparative Economic Reform: China and Central Europe, May 1993, Shanghai, China.
  - [ 23 ] "The Dynamics of Dividends, Earnings, and Prices: Evidence and Implications for Dividend Smoothing and Signalling," (with Chunchi Wu), contributed paper in the Joint Conference of the 2nd ICSA Statistical Conference and 1993 Taipei International Statistical Symposium, December 16-19, 1993, Taipei, Taiwan.
  - [ 24 ] "Time Series Forecasting Using Neural Network Models," invited talk in a special workshop at the IBM Watson Research Center, Yorktown, New York, May 12, 1994.
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- [ 25 ] "Neural Network Methods in Forecasting," invited talk in the Statistics workshop at Department of Statistics, University of Waterloo, Waterloo, Ontario Canada, June 16, 1994.
- [ 26 ] "Measurements of Economic Development: The Case of Shanghai and Taiwan," (with Yimin Zhang and Peter Koveos), special contributed paper in the ASA 1994 joint meetings, August 14, 1994, Toronto, Canada.
- [ 27 ] "Repeated Two-Stage Estimation in Single Hidden Layer Feed - Forward Neural Networks," (with Yachen Lin), invited paper in the 3rd ICSA meetings, August 18-20, 1995, Beijing, China.
- [ 28 ] "A Time Series Approach to Econometric Models of Taiwan's Economy," (with Tiao, Tsay, Chu, Lin, Hsu, et, al.), invited paper in the Taiwan Macro-Econometric Modeling Seminar, November 3-4, 1995, Institute of Economics, Academia Sinica, Taipei, Taiwan.
- [ 29 ] "A Time Series Approach to Econometric Models of Taiwan's Economy," (with Tiao, Tsay, Chu, Lin, Hsu, et, al.), invited paper in International Conference of Business Issues on Pacific Basin, organized by National Cheng-Chi University and Syracuse University, January 12-14, 1996, Taipei, Taiwan.
- [ 30 ] "Two-Stage Learning for Feed-forward Neural Networks with a Single Hidden Layer," invited paper at the Statistics Conference of China and Taiwan (Two-side of Taiwan Strait), KaoShong, Taiwan, June 16, 1996.
- [ 31 ] "Calendar Effects on Monthly Stock Returns," (with Lon-Mu Liu and Milan Velebit), contributed paper in the American Statistical Association Annual Meetings, August 5, 1996, Chicago.
- [ 32 ] "Day-of-the week Effects in the U.S. Stock Market", (with L. Liu and M. Velebit), *Proceedings of American Statistical Associations, Business and Economics Session*, contributed paper presented in the Annual Meetings of ASA in Anaheim California on August 13, 1997.
- [ 33 ] "Further Evidence of Economic Development of Shanghai and Taiwan", (with Yimin Zhang and Peter Koveos), presented at 5<sup>th</sup> *Conference on Pacific Basin Business, Economic and Finance*, in Singapore, July 10-11, 1997.
- [ 34 ] "Forecast Demand of Electricity", invited paper at *the Taipei International Statistical Symposium*, Taipei, Taiwan, August 15-August 17, 1998.
- [ 35 ] "Analysis of High Frequency Financial Data", invited paper at the Workshop of International Business, National Chung-Chi University, Taipei, Taiwan October 14, 1999..
- [ 36 ] "Linear and non linear correlations between food intake and changes in concentrations of serotonin and dopamine in LHA and VMN in lean Zucker rats." with Fetissov S.O., Meguid M.M., Miyata G. presented at Society for Neuroscience 29<sup>th</sup> Annual Meeting, Miami Beach, Florida, 23-28 Oct., Abstract V. 25, p. 1883, 1999.
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- [ 37 ] "On the Predictive Relation of Financial Economic Variables", invited paper at the Conference on the Modeling of Macro Economics, Institute of Economics, Academia Sinica, Taipei, Taiwan, December 13-14, 1999.
- [ 38 ] A special invited Tamkang Seminar Series in celebration of 50<sup>th</sup> anniversary of Tamkang University, Taipei, Taiwan, March 29-31, 2000.
- [ 39 ] "On Market Integration: issues of Index Arbitrage Restrictions", (with M. A. Harris), invited paper at the Conference on the Modeling of Macro Economics, Institute of Economics, Academia Sinica, Taipei, Taiwan, December 18-19, 2000.
- [ 40 ] "Issues and Applications of Data Mining – A Statistical Perspective", (with M. T Chao, B C. Hsia, D. Lin), invited sessions at the Workshops on Data Mining, sponsored by the Chinese Association of Data Mining, April 27 & 28, 2001 at Kwan-Chow, China, May 3 & 4, 2001, in Taipei, Taiwan.
- [ 41 ] "On Measuring Betas and Abnormal Returns by the Market Model", (with Juming Hsu), invited speech at College of Accounting, Shanghai University of Finance and Economics, Shanghai, China on October 23, 2001 and at the School of Management, ChongQing University, ChongQing, China, on October 26, 2001.
- [ 42 ] "On the Association between Options and Stocks", (with Thomas J. Finucane), invited paper at the Conference on the Modeling of Macro Economics, Institute of Economics, Academia Sinica, Taipei, Taiwan, December 13-14, 2001.
- [ 43 ] "The Intervaling Effect of Individual Firm's Beta", (with Juming Hsu), invited paper at the Conference of Financial Modeling, Tonghai University, Taichung, Taiwan, June 2, 2002.
- [ 44 ] "On the analysis of intra-day stock trading – the case of electronic industry in Taiwan", (with Junsiu Chen), invited paper at the annual Conference on the Modeling of Macro Economics, Institute of Economics, Academia Sinica, Taipei, Taiwan, December 18-20, 2002.
- [45] "Multiple Hypotheses Testing and model selection", (with Kasing Man), invited paper at the NBER-NSF conference of Time Series Analysis, University of Chicago, Chicago, IL., September 12-13, 2003.
- [46] "Value-at-risk and risk management", invited speaker at Taiwan Academy of Banking and Finance, Taipei, Taiwan, May 10, 2004.
- [47] "Data Mining: Theory and Applications", keynote speaker at a special workshop at the FengJia University, Taichung, Taiwan, May 14-15, 2004.
- [48] "Multiple Hypotheses Testing and model selection", (with Kasing Man), one of the three Keynote speakers at the annual ICQAM conference, National Taipei University of Technology, Taipei, Taiwan, June 6, 2004.
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- [49] “Teaching Statistics more effectively in schools of business”, invited speaker and program organizer, 2004 conference of Business Statistics and Econometrics, Guanghua School of Management, Peking University, Beijing, China, June 18-19, 2004.
- [50] “Seasonal Adjustment of macroeconomic time series”, invited speaker at the Beijing Bureau of Statistics, Beijing, China, June 21, 2004.
- [51] “On the performance of some trading rules in stock markets”, (with Juming Hsu), invited speaker, International Conference on Finance and Econometrics, Shanghai University of Finance & Economics, Shanghai, China, June 26, 2004.
- [52] “Multiple Hypotheses Testing and model selection”, (with Kasing Man), contributed paper at the Annual Joint Statistical Meetings of American Statistical Associations, Toronto, Canada, August 9, 2004.
- [53] “Concepts and methods of Tree-algorithms for data mining applications”, invited talk at Department of Statistics, People’s University, Beijing, China, March 16, 2005.
- [54] “Statistical Consulting as a discipline”, invited talk at the Department of Business Statistics & Econometrics, Guanghua School of Management, Peking University, Beijing, China, March 28, 2005.
- [55] “Power Transformations and Forecasting”, with Lonmu Liu and William Lattyak, contributed paper at the Annual Joint Statistical Meetings of American Statistical Associations, Minneapolis, MN, August 10, 2005.
- [56] “Risk Management in the Energy Industry”, 1-day workshop organized by the Center for Petroleum Strategy Study, National Cheng-Kung University, held in Taipei, Taiwan on March 20, 2006.
- [57] “Tools for Risk management in Utility Industry”, invited speech organized by the Taiwan Academy of Banking and Finance, Taipei, Taiwan, on June 26, 2006.
- [58] “Data Mining tools with applications in Social Sciences”, invited speech at the Shanghai Academy of Social Sciences, Shanghai, China, on August 7, 2006.

## Services

### a. University Committees:

Member of the Executive Committee of the Applied Statistics Program (1992-present)

AAHE Peer Review on Teaching Project, served as a Syracuse representative, (1994-1996)

Member of Statistics Review Committee (2003)

Director, DIPA summer China program (2003-present)

### b. School Committees

Member of the Master Board (2003-2006)

Member, Management Committee, (1998-2001)

Member, Promotion and Tenure Committee, (1997-1998), (2002-2003)

Chair, Doctoral Board (1996-1997)

Co-Chair, Task Force on Performance Evaluation, (1995-1998)

Member, Task Force on Instruction, (1996-1998)

Member of the Research Committee, School of Management, Syracuse University, (1989-1990, 1993 Spring, 1994-present)

Member of the Steering Committee, Brethen Operations Management Institute, School of Management, Syracuse University, (1991-1995)

Member of the Teaching Evaluation Committee, School of Management, Syracuse University, (1993-1995)

MBA Core Course Coordinator (MBC611), School of Management, Syracuse University (1991-1993).

### b. Departmental Committees

Area Coordinator of Managerial Statistics, (1994-present)

Chair, Faculty Search Committee (Managerial Statistics/Technology Management), (1994-1995), (1997-1998), (2001-2002)

Chair, Faculty Search Committee (Management Information System), (1998-1999), (1999-2000), (2000-2001)

Member of the Computer User Committee, Department of Quantitative Methods, Syracuse University, (1990-1991).

Member of the Managerial Statistics Curriculum Committee, Department of Quantitative Methods, Syracuse University, (1989-1991).

Member of the Faculty Search Committee, Department of Quantitative Methods, Syracuse University, (1989-1992), (2002-2003).

Member of the Faculty Search Committee, Department of Speech Communication, Syracuse University, (1989-1990).

#### **c. Consulting and Community Services**

- [ 1 ] Consultant to the Office of State Revenue Forecast, Washington State Government, Seattle, Washington, 1986-1987.
- [ 2 ] Consultant to the Scientific Computing Associates, Chicago, Illinois, (1988-present).
- [ 3 ] Consultant to the Ononadaga County, Department of Social Services, Syracuse, New York, 1990.
- [ 4 ] Consultant to the Forecasting & Macroeconomics Department, Niagara Mohawk Power Corporation, Syracuse, New York, (1992-1994).
- [ 5 ] Expert Witness, New York State Supreme Court, Syracuse, New York, November 14, 1994.
- [ 6 ] Consultant to the Tai-Power Company, Taipei Taiwan, (1996-1997) via a research grant with Professor Ben-Chang Shia of Fu-Jen Catholic.
- [ 7 ] Consultant to the Ministry of Machinery, People's Republic of China, Beijing, China (1996-1998), through a research grant with Professor Yimin Zhang of Shanghai University for Science and Technology.
- [ 8 ] Faculty Advisor, Chinese Student Association from Taiwan, Syracuse University, 1989-2002.
- [ 9 ] Principal, Syracuse Chinese School, Syracuse, New York. 1989-2004.

#### **d. Services to Professional Communities by offering Professional Short Courses**

- [ 1 ] "Introduction to SCA Statistical Package," at Computing Service Center, Washington State University, September 17, 1986.
- [ 2 ] "Applied Multiple Time Series Analysis," sponsored by the Institute of Statistics, Academia Sinica, Taipei, Taiwan, July 13-July 17, 1987.
- [ 3 ] "Applied Time Series Analysis and SCA," at Refining & Manufacturing Research Center, Chinese Petroleum Corporation, Chia-Yi, Taiwan, July 20-July 22, 1987.
- [ 4 ] "Applied Time Series Analysis and SCA," at Portland State University, Portland, Oregon, April 25-27, 1988.
- [ 5 ] "Applied Time Series Analysis," sponsored by the Institute of Statistics, Academia Sinica, Taipei, Taiwan, July 1-July 5, 1988.

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- [ 6 ] "Applied Multiple Time Series Analysis," sponsored by the Institute of Statistics, Academia Sinica, Taipei, Taiwan, July 23-July 27, 1989.
  - [ 7 ] "Time Series Analysis," at Wuhan University, Wuhan, Hubei, China, May 20-May 23, 1991.
  - [ 8 ] "Applied Time Series Analysis," at Fudan University, Shanghai, China, July 13-July 17, 1992.
  - [ 9 ] "Applied Time Series Analysis," offered by the Chinese Statistical Association, August 21-25, 1995, Taipei, Taiwan.
  - [ 10 ] "Applied Time Series Analysis Workshop," organized by the Education Center, State Statistical Bureau, People's Republic of China, Beijing, November 10-15, 1997.
  - [ 11 ] "Applied Time Series Analysis – Short Course," offered by the Chinese Statistical Association and TanKang University, Taipei, Taiwan, June 29- July 3, 1998.
  - [ 12 ] "Time Series Analysis and Seasonal Adjustment - short course," organized by the State Statistics Bureau, Beijing, China, July 5 to July 16, 1999. Teamed up with Professor George Tiao of University of Chicago and Dr. David Findley of U.S. Census of Bureau.
  - [ 13 ] "Applied Multiple Time Series Analysis – workshop", organized by the Chinese Statistical Association and Tamkang University, Taipei, Taiwan, June 26 to July 1, 2000, teamed with Professor George Tiao of University of Chicago and Dr. Henry Lin, Institute of Economics, Academic Sinica, Taipei Taiwan.
  - [ 14 ] "Applied Time Series Analysis & Data Mining – workshop", organized by the Chinese Statistical Association and Fu-Jen Catholic University, Taipei, Taiwan, June 26 to June 30, 2001, teamed with Professor George Tiao and Professor Ruey Tsay of University of Chicago, Professor Ben-Chang Hsia of Fu-Jen Catholic University and Dr. Henry Lin, Institute of Economics, Academic Sinica, Taipei Taiwan.
  - [ 15 ] "Applied Time Series Analysis – workshop", organized by the State Bureau of Statistics, Beijing, China, July 15-July 20, 2002.
  - [ 16 ] "Analysis and forecasting Financial Time Series", organized by the Chinese Statistical Association, Taipei, Taiwan, June 27 to July 1, 2005.
  - [ 17 ] "Analysis and Forecasting of Government statistics – workshop", organized by the State Bureau of Statistics, Beijing, China, July 31-August 4, 2006.

#### **e. Doctor Dissertation Committees**

Kwan Choi: Determinants of time series properties of annual earnings and cash flows, April 1991.  
Major advisor: Dr. B.E. Ismail, Department of Accounting, Syracuse University.

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- S. Gowri Shankar: A reexamination of the calls of convertible bonds and their impact on shareholder wealth, April 1991. Major advisor: Dr. P. Koveos, Department of Finance, Syracuse University.
- Roy Fletcher: A Nash solution for trading volume under asymmetric information - theory and evidence, September 1991. Major advisor: Dr. C. Wu, Department of Finance, Syracuse University.
- Ramu Kannan: A knowledge-based approach for control design during system development, September 1991. Major advisor: Dr. M. Tanniru, Department of Quantitative Methods, Syracuse University.
- Young Park: Neural network algorithms and a decision support system for forecasting, October 1992, **Co-advisor: Dr. T. Murray and Dr. C. Chen**, Department of Quantitative Methods, Syracuse University.
- Sharma Pillutla: Integrating the purchasing and lot-scheduling decisions in the presence of quantity discounts, January 1993, Major advisor: Dr. Lloyd A. Swanson, Department of Quantitative Methods, Syracuse University.
- Yong-Chern Su: The integration and transmission of international capital markets, August 1993, Major advisor: Dr. Chunchi Wu, Department of Finance, Syracuse University.
- Mustaque Ahmed: Pricing of foreign currency options with stochastic volatilities, in progress. Major advisor: Dr. Tom Finucane, Department of Finance, Syracuse University.
- Jayanthi Sankaran: Spanning and market completeness with index options in the context of dynamic portfolio insurance-theory and evidence, April 1994. Major advisors: Dr. Peter Koveos and Dr. Tom Finucane, Department of Finance, Syracuse University.
- Jumin Hsu: Using measures of permanent earnings to explain corporate dividend and stock price behavior, January 1994. Major advisor: Dr. Chunchi Wu, Department of Finance, Syracuse University.
- Chih-Hsieh Yu: The Economic Sources of the Asymmetric Return Cross-correlation among Stocks of Different Capitalizations, January 1995. Major advisor: Dr. Chunchi Wu, Department of Finance, Syracuse University.
- Shih-Min Chiang: Hydrologic Regionalization for the Estimation of Streamflows at Ungaged Sites Based on Time Series Analysis and Multivariate Statistical Analysis, Major advisor: Dr. S. Nix
- Ya-Chen Lin: Repeated Two-Stage Estimation in Single Hidden Layer Feed-Forward Neural Networks, December 1996, **Major Advisor: Chung Chen**
- Catherine K. Murphy: Inducing Lower Cost Decision Tree, January 1997, Major Advisor: Michel Benaroch.

Matthew L. O'Connor: Lead/Lag Effects in Stock and Option Markets: A Vector Error Correction Model Approach, January 1998, Major Advisor: Dr. Tom Finucane, Department of Finance, Syracuse University

George Lin: Market Trading Volume and Price Reaction to Public Information, May 1998, Major Advisor: Dr. Chunchi Wu, Department of Finance, Syracuse University.

Yoan-Sook Park: Forecasting with Multivariate Time Series Models, May 1999, **Major Advisor: Chung Chen**

Dennis J. Whalen: Information Trading around Information Announcements, December 2000, Major Advisor, Dr. Tom Finucane, Department of Finance, Syracuse University

Maurice A. Harris: Index Arbitrage Restrictions and Market Integration, Major Advisor: Dr. Tom Finucane, Department of Finance, Syracuse University, January 2002.

## **Professional Offices**

Program Chair, American Statistical Association, Syracuse Chapter, August 2005-July 2006.

Member, Board of Directors, Chunghwa Data Mining Association, Taipei, Taiwan (2005-2009)

Executive Member, Statistical Curriculum Committee, State Bureau of Statistics, Beijing, China (2003-2006)

Member, the Steering Committee for the Making Statistics More Effective in the School of Business (1990-2003).

Managing Editor, *Statistica Sinica*, 1999-2005

Chair, Communication Committee, International Chinese Statistical Association, 1999-2001.

Member, Board of Directors, Shanghai-Syracuse International School of Business, Shanghai, China, 1995 - 2001.

Advisor, The National Committee for Compilation and Appraisal of Statistical Teaching Materials, State Statistical Bureau, People's Republic of China, Beijing, 1998-1999.

Member, Executive Committee, American Statistical Association, Syracuse Chapter, 1997-1999.

Member, Advisory Council, Programs of Empirical Financial Economics, Ching-Hwa University, Hsing-Chu, Taiwan, 1997-present.

Member, Board of Directors, International Chinese Statistical Association, 1995-1998.

Secretary & Treasurer, Business & Economic Statistics Section of American Statistical Association, August, 1994 to July 1996.

Advisor, Department of Information System, Industrial & Commercial Bank of China, Shanghai Branch, August 1994 - July 1995.

Program Chair, American Statistical Association, Syracuse Chapter, August 1990-July 1991.

President, American Statistical Association, Syracuse Chapter, August 1991-July 1992.

Member of Executive Committee, American Statistical Association, Syracuse Chapter, August 1992-1994.

### **Professional Affiliations**

American Statistical Association  
International Chinese Statistical Association  
Decision Science Institute