

VITA

KWEI TANG

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National Chengchi University
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MARRIED: Anna, four children

HOME ADDRESS: No. 4, 3F, Alley 65, XinGuang Rd., Sec. 1
Taipei, Taiwan

EDUCATION:

- 1981-1984 Ph.D., Krannert Graduate School of Management, Purdue University, Indiana
Major: Management Science, Minor: Operations Management
- 1979-1981 M.S., Bowling Green State University, Ohio
Major: Applied Statistics, Minor: Operations Research
- 1972-1976 B.S., National Chiao Tung University, Taiwan
Major: Management Science

WORKING EXPERIENCE:

- 2014- Allison and Nancy Schleicher Chair Emeritus, Purdue University, West Lafayette, Indiana
- 2011- Dean and University Chair Professor, College of Commerce, National Chengchi University, Taipei, Taiwan
- 2011-2013 Acting Director, Graduate Institute of Intellectual Properties, College of Commerce, National Chengchi University, Taipei, Taiwan
- 2000-2014 Allison and Nancy Schleicher Chair in Management, 2007-2014, Professor of Quantitative Methods, Associate Dean for Academic Affairs (2009-2011), Associate Dean for Programs and Student Services (2006-2009), Director of International Initiatives (2005-2007), Area Coordinator (2001-2006), Krannert School of Management, Purdue University, West Lafayette, Indiana
- 2007-2010 TiasNimbas Fellow and Adjunct Professor, TiasNimbas Business School, Full-time MBA program, Utrecht, The Netherlands
- 2008-2009 University Chair Professor, National Cheng Kung University, Tainan, Taiwan
- 2009 Adjunct Professor, Antwerp School of Management, EMBA program, Antwerp, Belgium
- 2004-2006 Tien Cheng Chair in Industrial Management, National Central University, Chungli, Taiwan
- 1984-2000 E. J. Ourso Professor of Business Analysis (1998-2000), Co-holder, Edward G. Schlieder Chair of Information Sciences, Professor (1992-2000), Chairman (1991-1994), Graduate Advisor (1988-1991), Associate Professor (1987-1992), Assistant Professor (1984-1987), Department of Information Systems and Decision Sciences, E. J. Ourso College of Business Administration, Louisiana State University, Baton Rouge, Louisiana

- 1981-1984 Graduate Instructor, Krannert School of Management, Purdue University, West Lafayette, Indiana
- 1980-1981 Research Assistant, Statistical Consulting Center, Bowling Green State University, Bowling Green, Ohio
- 1979-1980 Teaching Assistant, Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, Ohio
- 1978-1979 Administrative Assistant, Department of Management Science, National Chiao Tung University, Hsinchu, Taiwan

RESEARCH INTEREST:

- Data Mining
- Quality Control and Management
- Supply Chain Management
- Network Optimization
- Production and Inventory Control

TEACHING INTEREST:

- Data Mining
- Research Methods/Applied Statistics/Operations Research
- Quality Control and Management
- Service and Distribution
- Production and Operations Management

AWARDS AND HONORS:

- Academic Award, Ministry of Education, Taiwan, ROC, 2014
- Chinese Society of Management of Technology, Fellow, 2014
- Internationalization Award, the Innovative Program category, Purdue University, 2009
- Decision Sciences Institute Fellow, 2007
- Salgo Noren Foundation Award for Excellence in Teaching, Krannert Graduate School of Management, Purdue University, 2003, runner-up 2005 (voted by students as the best teacher in the MBA program)
- Certificate of Excellence in Service, *IIE Transactions*, 2002, 2003, and 2004
- Distinguished MBA teacher, Krannert School of Management, Purdue University, third module, 2002-2009
- Outstanding MBA Core Courses Teaching Award, first module, 2002-2004, and second modules, 2002-2005, Krannert Graduate School of Management, Purdue University
- Presidential Young Investigator Award, U.S. National Science Foundation, 1988 (Principal Investigator, NSF Grant, Division of Design and Manufacturing No. 8857557 \$132,603, 1988-1994)
- Distinguished Alumni Award, National Chiao Tung University (Hsinchu, Taiwan), 1998
- The Business Partnership Excellence in Research Award, College of Business Administration, Louisiana State University, 1994
- Study abroad grants and scholarships, \$50,000, Sun Shining Investment Corporation; \$19,000 Telemon; \$2,000 Foxconn; \$1,000 TECO in Chicago; \$120,000, private donation, 2007-2011
- Research gift, \$25,000, Amazon.com, May 2007

Co-Principal Investigator, "Integration of Sales Force Automation and Web-Based Knowledge Management: A Case of Pharmaceutical Industry," the e-Enterprise Center at Discovery Park, Purdue University (671 1213-4304), with Sandra Liu (PI), \$29,986, 2003-2004

Purdue CIBER Faculty Travel Grants, \$1,700 and \$2,500, 2006

CEER Faculty Research Grant, Purdue University, \$1,685, 2003

Research Fellowship, \$57,455, Co-Principal Investigator, Grant No. NSC 86-2811-E-008, \$11,600, National Science Council, Taiwan, 1997-1998

Southern Scrap Material Company Faculty Fellow in TQM, Louisiana State University, 1991-1994

Accomplished Graduates Award of the College of Business Administration, Bowling Green State University, 1996

Principal Investigator, Research grant sponsored by Association of Diving Contractors, "Skilled Labor Worklife and Benefit: A Case Study of Divers in Oil and Gas Exploration," \$8,103, 1992-1993

Principal Investigator, Louisiana Board of Regents LEQSF Enhancement Grant ENH-TR-15 "Quality Management and Information Systems Enhancement for LSU's QBA Department," \$73,615, 1993

Phi Kappa Phi, Omega Rho, Beta Gamma Sigma, Purdue University, 1983

David Ross Thesis Grant, Purdue Research Foundation, 1983-1984

Summer Research Grant, LSU Council on Research, 1985

Summer Research Grant, LSU College of Business Administration, 1986, 1988

Recognition for Outstanding Achievement, Rotary Club of Baton Rouge, 1988

Listed Most Admired Men and Women of the Year, ABI, 1995

Listed International Who's Who of Contemporary Achievement, ABI, 1996

Listed Marquis Who's Who in America, 2011

JOURNAL PAPERS:

1. Moskowitz, H., R. Plante, K. Tang, and A. Ravindran, (1984), "Multiattribute Bayesian Acceptance Sampling Plans for Screening and Scrapping Rejected Lots," *IIE Transactions*, 16(2), 185-192.
2. Chand, S. and K. Tang, (1985), "A Comparison of Average and Discounted Cost Models for the Dynamic Lot Size Inventory Problem," *European Journal of Operational Research*, 22(1), 9-18.
3. Tang, K., R. Plante, and H. Moskowitz, (1986), "Multiattribute Bayesian Acceptance Sampling Plans under Nondestructive Inspection," *Management Science*, 32(6), 739-750.
4. Moskowitz, H., R. Plante, and K. Tang, (1986), "Multiattribute Acceptance Sampling in Serial Production Systems," *IIE Transactions*, 18(2), 130-137.
5. Crosby, M., R. Plante, and K. Tang, (1987), "An Economic Modelling Approach for the Determination of Materiality in Auditing," *Decision Sciences*, 18(1), 108-115.
6. Tang, K., J. Tang, and H. Moskowitz, (1987), "Estimating Low Process Average by Inverse Binomial Sampling," *International Journal of Production Research*, 25(1), 57-69.
7. Tang, K., M. Peters, and J. Tang, (1987), "Constructing and Maintaining a Beta Process Distribution for Bayesian Quality Audit Systems," *IIE Transactions*, 19(1), 98-106.
8. Tang, K., R. Plante and H. Moskowitz, (1987), "Stepwise Inspection in Bayesian Multiattribute Acceptance Sampling," *Naval Research Logistics Quarterly*, 34(4), 469-486.
9. Tang, K. and H. Schneider, (1987), "The Economic Effects of Inspection Error on a Complete Inspection Plan," *IIE Transactions*, 19(4), 421-428.

10. Ringuest, J. and K. Tang, (1987), "Simple Rules for Combining Forecasts: Some Empirical Results," *Socio-Economic Planning Sciences*, 21(4), 239-243.
11. Tang, K., (1987), "Economic Design of a One-Sided Screening Procedure Using a Correlated Variable," *Technometrics*, 29(4), 477-485.
12. Tang, K., (1988), "An Economic Model for Vendor Selection," *Journal of Quality Technology*, 20(2), 81-89.
13. Tang, K., (1988), "Economic Design of Product Specifications for a Complete Inspection Plan," *International Journal of Production Research*, 26(2), 203-217.
14. Tang, K. and H. Schneider, (1988), "Selection of the Optimal Inspection Precision Level for a Complete Inspection Plan," *Journal of Quality Technology*, 20(3), 153-156.
15. Schneider, H., C. O'Kinneide, and K. Tang, (1988), "Optimal Control of a Production Process Subject to AOQL Constraint," *Naval Research Logistics*, 35, 383-395.
16. Peters, M., H. Schneider, and K. Tang, (1988), "Joint Determination of Optimal Inventory and Quality Control Policy," *Management Science*, 34(8), 991-1004.
17. Tang, K., (1988), "Economic Design of a Two-Sided Screening Procedure Using a Correlated Variable," *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 37(2), 231-241.
18. Tang, K., (1988), "Design of a Two-Stage Screening Procedure Using a Correlated Variable," *Naval Research Logistics*, 35(5), 513-533.
19. Tang, K. and J. Tang, (1989), "Design of Product Specifications for Multi-Characteristic Inspection," *Management Science*, 35(6), 743-756.
20. Tang, J. and K. Tang, (1989), "A Two-Sided Screening Procedure Using Several Correlated Variables," *IIE Transactions*, 21(4), 333-336.
21. Tang, K., (1990), "Design of Product Grading Procedures," *Decision Sciences*, 21(2), 434-445.
22. Ringuest, J. and K. Tang, (1990), "Empirical Comparisons of Five Procedures for Combining or Selecting Forecasts," *Socio-Economic Planning Sciences*, 23(4), 217-225.
23. Schneider, H., K. Tang, and C. O'Kinneide, (1990), "Optimal Control of a Production Process Subject to Random Deterioration," *Operations Research*, 38(6), 1116-1122.
24. Lo, Yumei and K. Tang, (1990), "Economic Design of Multi-Characteristic Models for a Three-Class Screening Procedure," *International Journal of Production Research*, 28(12), 2341-2351.
25. Tang, K. and H. Schneider, (1990), "Cost Effectiveness of Using a Correlated Variable in a Complete Inspection Plan When Inspection Error is Present," *Naval Research Logistics*, 37, 893-904.
26. Schneider, H. and K. Tang, (1990), "Adaptive Procedures for the Two-Stage Group Testing Problem Based on Prior Distributions and Costs," *Technometrics*, 32(4), 397-405.
27. Harper, R.M., J.R. Strawser, and K. Tang, (1990), "Establishing Investigation Thresholds for Preliminary Analytical Procedures," *Auditing: A Journal of Practice and Theory*, 9(3), 115-133.
28. Tang, K., (1991), "Design of Multi-Stage Screening Procedures for a Serial Production System," *European Journal of Operational Research*, 52(3), 280-290.
29. Park, J.S., M.H. Peters, and K. Tang, (1991), "Optimal Inspection Policy in Sequential Screening," *Management Science*, 37(8), 1058-1061.
30. Chen, Y.S. and K. Tang, (1992), "A Pictorial Approach to Poor-Quality Cost Management," *IEEE Transactions on Engineering Management*, 39(2), 149-157.

31. Moskowitz, H. and K. Tang, (1992), "Bayesian Variables Acceptance Sampling Plans: Quadratic Loss Function and Step-Loss Function," *Technometrics*, 34(3), 1992, 340-347.
32. Schneider, H., B.S. Lin, and K. Tang, (1992), "Renewal Function Estimation with Censored Data in a Warranty Analysis," *Journal of Statistical Computation and Simulation*, 42, 125-135.
33. Chou, K. and K. Tang, (1992), "Burn-in Time and Estimation of Change-point with Weibull-exponential Distribution," *Decision Sciences*, 23(3), 973-990.
34. Tang, J. and K. Tang, (1993), "A Note on Parallel Equipment Replacement," *Naval Research Logistics*, 40, 569-573.
35. Tang, K. and J. Lo, (1993), "Determination of the Optimal Process Mean When Inspection is Based on a Correlated Variable," *IIE Transactions*, 25(3), 66-72.
36. Tang, J., K. Tang, and H. Moskowitz, (1994), "Bayesian Confidence Intervals for Reliability of Series Systems with Highly Reliable Components," *IEEE Transactions on Reliability*, 43(1), 132-137.
37. Tang, K. and J. Tang, (1994), "Design of Screening Procedures: A Review," *Journal of Quality Technology*, 26(3), 209-226.
38. Kim, C.T., K. Tang, and M. Peters, (1994), "A Two-stage Procedure for Three-class Screening," *European Journal of Operational Research*, 79, 431-442.
39. Chun, Y.H. and K. Tang, (1995), "Determining the Optimal Warranty Price in the Free-replacement, Fixed-period Warranty Policy," *European Journal of Operational Research*, 85(1), 579-593.
40. Roan, J., L. Gong, and K. Tang, (1997), "Process Mean Determination under Constant Material Supply," *European Journal of Operational Research*, 99(2), 353-365.
41. Luo, Y.-L., T.-S. Kim, T. W. Liao, and K. Tang, (1996), "An Investigation into the Influences of Operating Parameters on CMM Performances," *Engineering Design & Automation*, 2(4), 269-280.
42. Gong, L. and K. Tang, (1997), "Monitoring Machine Operations Using On-line Sensors," *European Journal of Operational Research*, 96, 479-492.
43. Gong, L., W. Jwo, and K. Tang, (1997), "Using On-line Sensors in Statistical Process Control," *Management Science*, 43(7), 1017-1029.
44. Chen, Y. L., D. Rinks, and K. Tang, (1997), "Critical Paths in an Activity Network with Time Constraints," *European Journal of Operational Research*, 100, 122-133.
45. Tang, J., K. Tang, and H. Moskowitz, (1997), "Bayesian Estimation of System Reliability from Component Test Data," *Naval Research Logistics*, 44(1), 127-146.
46. Liao, T. W. and K. Tang, (1997), "Automated Extraction of Welds from Digitized Radiographic Images Based on MLP Neural Networks," *Applied Artificial Intelligence*, 11, 197-218.
47. Chen, Y. L. and K. Tang, (1997), "Shortest Paths in Time-Schedule Networks," *International Journal of Operations and Quantitative Management*, 3(3), 157-173.
48. Gong, L., J. Roan, and K. Tang, (1998), "Process Mean Determination with Quantity Discounts in Raw Material Cost," *Decision Sciences*, 29(1), 269-300.
49. Gong, L., J. Pruett, and K. Tang, (1997), "A Markovian Model for Process Setup and Improvement," *Naval Research Logistics*, 44, 383-400.
50. Chen, Y. L. and K. Tang, (1998), "Minimum-Time Paths in Mixed-Nodes Time-Schedule Networks," *Computers and Operations Research*, 25(10), 793-805.
51. Chun, Y. H. and K. Tang, (1999), "Cost Analysis of Two-attribute Warranty Policies Based on the Product Usage Rate," *IEEE Transactions on Engineering Management*, 46(2), 201-209.

52. Tang, K., W. W. Williams, W. Jwo, and L. Gong, (1999), "Performance Comparison Between On-Line Sensors and Control Charts in Manufacturing Process Monitoring," *IIE Transactions*, 31(12), 1181-1190.
53. Roan, J., L. Gong, and K. Tang, (2000), "Joint Determination of Process Mean, Production Run Size and Raw Material Order Quantity," *International Journal of Production Economics*, 63(3), 303-317.
54. Williams, W. W., K. Tang, and L. Gong, (2000), "Process Improvement for a Container-filling Process with Random Shifts," *International Journal of Production Economics*, 66(1), 23-31.
55. Chen, Y. L., D. Rinks, and K. Tang, (2000), "The First K Minimum Cost Paths in a Time-Schedule Network," *Journal of Operational Research Society*, 52(1), 102-108.
56. Chang, D. S., K. Tang, and C. W. Lai, (2000), "Sensor-Based On-line Screening Procedure and Tool Replacement Policy," *International Journal of Management Theory and Practices*, 1(1), 65-78.
57. Ding, J, L. Gong, and K. Tang, (2002), "Effect of Test Equipment Uncertainty on Product Testing Decisions," *Production and Operations Management*, 11(2), 125-138.
58. Tang, K. and J. Tang, (2002), "Optimal Time-Based Pricing and Leadtime Policies for a Build-to-order Manufacturer," *Production and Operations Management*, 11(3), 374-392.
59. Tang, K., L. Gong, and D. S. Chang, (2003), "Optimal Process Control Policies under a Time-Varying Cost Structure," *European Journal of Operational Research*, 149, 197-210.
60. Chen, Y.L., L.J. Shaio, and K. Tang, (2003), "Time Analysis for Planning a Path in a Time-Window Network," *Journal of Operational Research Society*, 54(8), 860-870.
61. Chen, Y.L., K. Tang, R.J. Shen, and Y.H. Hu, (2005), "Market Basket Analysis in a Multiple Store Environment," *Decision Support Systems*, 40(2), 339-354.
62. Chen, Y.L. and K. Tang, (2005), "Finding the K -th Shortest Path in a Time-Schedule Network," *Naval Research Logistics*, 52(1), 93-102.
63. Tarakci, H., K. Tang, H. Moskowitz, and R. Plante, (2006), "Maintenance Outsourcing of Multi-process Manufacturing Systems with Multiple Contractors," *IIE Transactions*, 38(1), 67-78.
64. Tarakci, H., K. Tang, H. Moskowitz, and R. Plante, (2006), "Incentive Maintenance Contracts for Channel Coordination and Improvement," *IIE Transactions*, 38(8), 619-632.
65. Tang, K., Chen, Y.L., and H.W. Hu, (2008), "Context-based Market Basket Analysis in a Multiple Store Environment," *Decision Support Systems*, 45(1), 150-163.
66. Kim, I., H. Moskowitz, R. Plante, H.L. Seo, and K. Tang (2008), "The Learning Curve: Knowledge Acquisition and Its Depreciation Revisited," *International Journal of Operations and Quantitative Management*, 13(2), 77-94.
67. Zhou, Z., Li, Y., and K. Tang (2009), "Dynamic Pricing and Warranty Policies for Products with Fixed Lifetime," *European Journal of Operational Research*, 196(3), 940-948.
68. Tarakci, H., K. Tang, and S. Teyarachakul (2009), "Learning Effects on Maintenance Outsourcing," *European Journal of Operational Research*, 192, 138-150
69. Tseng, F.S., K. Tang, Moskowitz, and R. Plante (2009), "Maintenance Outsourcing Contracts with Options for New Technology Adoptions" *IEEE Transactions on Engineering Management*, 56(2), 203-218.
70. Chen, Y. L., Chia-Chi Wu; K. Tang (2009), "Building a Cost-constrained Decision Tree with Multiple Condition Attributes," *Information Sciences*, 179(7), 967-979.
71. Chen, Y. L., Y. H. Hu, and K. Tang (2009), "Sequential Pattern Mining in Business-to-business (B2B) Environment," *Information Sciences*, 35(6), 677-694.

72. Hu, H. W., Y. L. Chen, K. Tang (2009), "A Dynamic Discretization Approach for Constructing a Decision Tree with Continuous Labels," *IEEE Transactions on Knowledge and Data Engineering*, 21(11), 1505-1514.
73. Chen, Y. L., H. W. Hu, and K. Tang, (2009) "Constructing a Decision Tree from Data with Hierarchical Class Labels," *Expert Systems with Applications*, 36, 4838-4847.
74. Chen, Y. L., M. H. Kuo, S. Y. Wu, and K. Tang, (2009) "Discovering Recency, Frequency, and Monetary (RFM) Sequential Patterns from Customers' Purchasing Data, Electronic Commerce Research and Applications, *Electronic Commerce Research and Applications*, 8, 241-251.
75. Huang, P. and K. Tang (2012), "A Constructive Periodicity Bound for the Unbounded Knapsack Problem," *Operations Research Letters*, 40(5), 329-331.
76. Tarakci, H., K. Tang, and S. Teyarachakul (2013), "Learning and Forgetting Effects on Maintenance Outsourcing," *IIE Transactions*, 45, 449-463.
77. Hu, H. W., Y. L. Chen, and K. Tang (2013), "A novel Decision Tree Method for Structured Continuous-label Classification," *IEEE Transactions on Systems, Man, and Cybernetics*, PP(99), 1-13.
78. Kao, H. P. and K. Tang (2014), "Cost-Sensitive Decision Tree Induction with Label-Dependent Late Constraints," *INFORMS Journal of Computing*, 26(2), 238-252.
79. Y. L. Chen, K. Tang, C. C. Wu, J. Y. Jheng, (2014), "Predicting the Influence of Users' Posted Information for eWOM Advertising in Social Networks," *Electronic Commerce Research and Applications*, 13, 431-439.
80. Yan, X., H. Zhao, and K. Tang, (2015), "Requirement or Promise? An Analysis of the First-Mover Advantage in Quality Contracting," *Production and Operations Management*, 24(6), 917-933.
81. Y.L. Chen; C.C. Wu; K. Tang (2016), "Time-constrained Cost Sensitive Decision Tree Induction," *Information Sciences*, forthcoming.

BOOK CHAPTERS:

1. Tang, K., "Inspection Systems," *Intelligent Design and Manufacturing*, in A. Kusiak (Ed), Wiley & Sons, 1992, 583-608.
2. Tang, K. and J. Pruet, "Manufacturing Process Quality Control and Improvement," *Handbook of Design, Manufacturing and Automation*, Ed. R.C. Dorf and A. Kusiak, Wiley & Sons, 1994, 649-671.
3. Liu, J., K. Tang and Y. Chun, "Container-Filling Problem under Capacity Constraints," in Optimization in *Quality Control*, K.S. Al-Sultan and M.A. Rahim (Eds), Kluwer, 1997, 215-229.

WORKING PAPERS:

1. Zhao, H., X. Zhang, F. Pan, and K. Tang, "Compensation Contract Design for Hedge Funds During Financial Crisis: Theory and Evidence," submitted to *Production and Operations Management*.
2. Kao, H. P., K. Tang, and J. Tang, "Cost-Sensitive Decision Trees with Completion Time Requirements."
2. Wu, C. C., Y. L. Chen, and K., Tang "Cost-Sensitive Decision Tree with Multiple Resource Constraints."

3. Y. H. Fang; K. Tang, and C. C. Wu, "On Electronic Word-of-Mouth Diffusion in Social Networks: Curiosity and Influence."

CONFERENCE PROCEEDINGS AND TECHNICAL REPORTS:

1. Ringuest, J., K. Tang and P. Fry, "An Empirical Comparison of Three Simple Rules for Aggregating Forecasts," *Proceedings*, 18th Annual Conference, American Institute for Decision Sciences, 704-706.
2. Tang, K., H. Schneider and J. Tang, "Selection of a Screening Variable for a Complete Inspection Plan When Inspection Error is Present," *Proceedings*, 19th Annual Conference, Decision Sciences Institute, 1109-1111.
3. Tang, K. and J. Tang, "Economic Models for a Multi-Characteristic Screening Procedure," *Proceedings*, 1988 Annual Meeting, Decision Sciences Institute, 1109-1111.
4. Tang, K., H. Schneider and C.T. Kim, "Two-Stage Group Testing Based on Costs and Prior Distributions," *Proceedings*, 1989 Annual Meeting, Decision Sciences Institute, 1057-1059.
5. Tang, K. "Cost-Effective Screening Techniques for Automated Inspection System," *Proceedings, 1990 NSF Design and Manufacturing Systems Conference*, 379-383.
6. Tang, K. and C.T. Kim, "A Two-stage Procedure for Three-class Screening," *Proceedings, 1991 NSF Design and Manufacturing Systems Conference*, 921-926.
7. Tang, K. and K. Chou, "Burn-in Time and Change-point of Weibull-exponential Distribution," *Proceedings, 1992 NSF Design and Manufacturing Systems Conference*, 927-931.
8. Tang, K. and J. Tang, "Screening Procedures in Manufacturing: A Review," *Proceedings, 1993 NSF Design and Manufacturing Systems Conference*, 327-335.
9. Tang, K. and L. Gong, "Monitoring Machine Operations Using On-line Sensors," *Proceedings, 1994 NSF Design and Manufacturing Systems Conference*, 481-482.
10. Tang, K., J. Liu, and Y. Chun, "Container-Filling Problem under Capacity Constraints," *Proceedings*, 1995 Annual Meeting, Decision Sciences Institute.
11. Tang, K., "Quality Issues in Production and Business Decisions," *Proceedings*, The first International Conference on Pacific Basin Business and Economics, National Central University, Taiwan, June, 1996, 807-830.
12. Tang, K. and P. Chong, "Skilled Labor Worklife and Benefit: A Case Study of Divers in Oil and Gas Exploration".
13. Tang, K. and J. Tang, "Analysis of Purchasing Contracts When Product Value is a Function of Time," *Proceedings*, 1998 Annual Meeting, Decision Sciences Institute.
14. Lu, B. and K. Tang, "Coordination Strategies for Products with a Short Life Cycle in a Capacitated Channel," *Proceedings*, 2001 Annual Meeting, Decision Sciences Institute.
15. Tarakci, H. and K. Tang, "Incentive Maintenance Contracts for Optimizing Channel Profit," *Proceedings*, 2003 Annual Meeting, Decision Sciences Institute.

INVITED PRESENTATIONS:

1. "Multiattribute Bayesian Acceptance Sampling Plans for Screening and Scrapping Rejected Lots," Department of Management Science, University of Minnesota, January 1984.
2. "Maintaining a Beta Process Distribution for Bayesian Quality Audit Systems," Department of Management Science, University of Minnesota, February, 1985.
3. "Screening Procedures for Multi-characteristic Products," Department of Industrial Engineering, University of Michigan, March 1988.

4. "Design of Multi-stage Screening Procedures for a Serial Production System," Department of Business Administration, University of Illinois, March 1989; Division of Analytical Methods and Software Systems, Bellcore, February, 1991; Department of Experimental Statistics, Louisiana State University, October 1991.
5. "Research Habits and Productivity," New Faculty Workshop, Decision Sciences Institute Annual Conference, Miami, November, 1991.
6. "Recent Development in Quality Management and Inspection Methods in Manufacturing," Department of Mathematics, University of Southwestern Louisiana, April, 1992.
7. "Data Analysis using Regression Analysis," Louisiana Legislative Auditor's Office, July 1993.
8. "Today's Competitive Business World," Keynote speech, Annual Joint Meeting of the Presidents of Chinese Student Associations of the Southern States, September, 1994.
9. "Design of Quality Control Methods in Manufacturing," Department of Quantitative Analysis and Operations Management, University of Cincinnati, February, 1995, Department of Information and Management Sciences, Hong Kong University of Science and Technology, June, 1995, National Central University, Taiwan, July, 1995.
10. "Integration of Quality Control and Production Activities," Department of Industrial Engineering and Institute of Statistics, National Tsing Hua University, June 1997, Institute of Management Science, National Chiao Tung University, July 1997.
11. "Design of Quality Control Methods and Related Issue," Department of Industrial Engineering, Louisiana State University, February 18, 1999.
12. "Enterprise Systems and Knowledge Management," Keynote Speech, 2001 International Conference on Interdisciplinary and Multifunctional Business Management, Taipei, Taiwan, May 2001.
13. "Quality Control Methods in Dynamic Environment," Institute of Management Science, National Chiao Tung University, Taiwan, May 2001.
14. "Maintenance Contracts," Institute of Industrial Management, National Central University, Taiwan, April 2005.
15. "Globalization and Business Schools," CTUAAA Reunion, Chicago, July 2005.
16. Panelist, Deans' Panel (consisting of Deans from HKUST, Tsinghua University, National University of Singapore, and National Chengchi University), Academy of Management Annual Meeting, the Alumni Reunion for Chinese Management Scholars, 2011, San Antonio.
17. Keynote speaker, National Governance and Autonomy Pilot Program, Forum on the future of higher education in Taiwan, Ministry of Education and National Cheng Kung University, 2011, Taipei.

BOOK REVIEW:

1. *Guide to Acceptance Sampling*, by Wayne A. Taylor, Lake Villa, IL: Taylor Enterprises, 1992, *Technometrics*, Vol. 35, No. 4, 458, 1993.
2. *Statistics - Principals and Methods*, third edition, by Richard A. Johnson and Gouri K. Bhattacharyya, Wiley and Sons, 1996, *IIE Transactions*, Vol. 29, No. 9, 799-800, 1997.

CONFERENCE PRESENTATIONS:

1. "Multiattribute Bayesian Acceptance Sampling Plans for Screening and Scrapping Rejected Lots," (with R. Plante and H. Moskowitz) ORSA/TIMS Joint National Meeting, November 1983.
2. "Planning Horizon Results for a Dynamic Location Problem," (with S. Chand) invited paper, ORSA/TIMS Joint National Meeting, May 1984.

3. "Multiattribute Bayesian Acceptance Sampling Plans under Nondestructive Inspection," (with R. Plante and H. Moskowitz) ORSA/TIMS Joint National Meeting, November 1984.
4. "Maintaining a Beta Process Distribution for Bayesian Quality Audit Systems," (with J. Tang and M. Peters) ORSA/TIMS Joint National Meeting, April 1986.
5. "Economic Design of Product Specifications for a Complete Inspection Plan," invited paper, ORSA/TIMS Joint National Meeting, April 1986.
6. "Stepwise Inspection in Bayesian Multiattribute Acceptance Sampling," (with R. Plante and H. Moskowitz) ORSA/TIMS Joint National Meeting, April 1986.
7. "Multistage Multiattribute Acceptance Sampling in Serial Production Systems," (with R. Plante and H. Moskowitz) invited paper, ORSA/TIMS Joint National Meeting, April 1986.
8. "An Economic Modelling Approach for the Determination of Materiality in Auditing," (with R. Plante and M. Crosby) invited paper, ORSA/TIMS Joint National Meeting, April 1986.
9. "Economic Effects of Inspection Error on a Complete Inspection Plan," (with H. Schneider) invited paper, ORSA/TIMS Joint National Meeting, October 1986.
10. "Joint Determination of Optimal Inventory and Quality Control Policy," (with M. Peters and H. Schneider) invited paper, ORSA/TIMS Joint National Meeting, May 1987.
11. "Optimal Control of a Production Process Subject to Random Deterioration," (with H. Schneider and C. O'Conneide) invited paper, ORSA/TIMS Joint National Meeting, May 1987.
12. "The Effects of Consumer's Risk Preference on Designing a Warranty Policy," (with H.C. Chun), ORSA/TIMS Joint National Meeting, May 1987.
13. "Renewal Function Estimation When Data Are Censored," (with B.S. Lin and H. Schneider) ORSA/TIMS Joint National Meeting, October 1987.
14. "Screening Procedures Using Several Correlated Variables," (with J. Tang and M. Peters) ORSA/TIMS Joint National Meeting, April 1988.
15. "Design of Multi-Characteristic Grading Procedures," (with Y. Lo) ORSA/TIMS Joint National Meeting, May 1989.
16. "Sequential Screening as a Stopping Rule Problem," (with M. Peters and J. Park) ORSA/TIMS Joint National Meeting, May 1989.
17. "Design of a Two-Stage Product Grading Procedure," (with C.T. Kim and M. Peters) ORSA/TIMS Joint National Meeting, October 1989.
18. "Estimation of the Change-point of a Weibull-exponential Distribution," (with K. Chou, J. Tang and H. Schneider), ORSA/TIMS Joint National Meeting, October 1990.
19. "A Pictorial Approach to Poor-Quality Cost Management," (with Y. Chen), ORSA/TIMS Joint National Meeting, Nashville, May 1991.
20. "Bayesian Estimation of System Reliability," (with J. Tang and H. Moskowitz), ORSA/TIMS Joint National Meeting, Nashville, May 1991.
21. "On Inspection Errors in Sampling Plans for Defectives," (with J. Tang), ORSA/TIMS Joint National Meeting, Anaheim, November 1991.
22. "Optimal Machine Maintenance to Minimize Cost," (with F. Barbera and H. Schneider), Production and Operations Management Society Conference, Orlando, October 1992.
23. "Bayesian Confidence Intervals for Reliability of Series Systems with Highly Reliable Components," (with J. Tang and H. Moskowitz), ORSA/TIMS National Conference, San Francisco, November 1992.
24. "Detecting a Fault in a Multicomponent Product," (with Y. Chun), ORSA/TIMS National Conference, San Francisco, November 1992.

25. "Control of a Random Deteriorating Production Process through Indirect Process State Measurement," (with L. Gong), ORSA/TIMS National Conference, San Francisco, November 1992.
26. "Determine the Optimal Process Mean in a Two-echelon Production-Inventory System," (with J. Roan and L. Gong), ORSA/TIMS National Conference, Phoenix, 1993.
27. "Using On-line Sensors in Statistical Process Control," (with W. Jwo and L. Gong), ORSA/TIMS National Conference, Detroit, 1994.
28. "Design of Process Control Chart When the System is Monitored by Unreliable Automatic Equipment," (with L. Gong and J. Tang), INFORMS, New Orleans, 1995.
29. "Production Process Monitoring Using On-line Sensors," (with L. Gong and J. Tang), INFORMS, Atlanta, 1996.

DEPARTMENT, COLLEGE, AND UNIVERSITY ACTIVITIES

Purdue

Graduate Education Association, 2009-2011
 International Programs Officer, 2006-2011
 Internationalization Task Force, 2008-2010
 Strategic Research Initiative, 2009-2011
 Student Learning Outcome Assessment Workgroup, 2007-2010
 Associate Dean Council, 2006-2011
 Management Policy Committee, 2001-2006
 School Grievance Mediator, 2005-2006
 MBA Option in Analytical Consulting Committee (Chair), 2004-2005
 Search Committee for Accenture Professor of Information Technology, 2001-2002
 Search Committee for Susan Bulkeley Butler Chair in Operations Management, 2002-2003
 Area Committee, 2002-2006, 2009, 2010
 Krannert Research Faculty Appointment Committee, 2005
 MBA Asian Business Club, Faculty Advisor, 2004-
 MBA Review Committee, 2003-2004

LSU

University Council on Research, 1998-2000
 University Faculty Senate, 1995-1998
 University Courses and Curricula Committee, 1996-1999
 Ad Hoc Task Force on Prioritization, Office of Executive Vice Chancellor and Provost, 1999
 College Ad Hoc Committee on Appointment and Evaluation of Chairs and Professorships, 1999
 Review Panel for the Chancellor's Distinguished Lectureship Series, 1999
 College Promotion and Tenure Committee, 1994-1998, 1999-2000
 College Policy and Planning Committee, 1995-1996
 Human Resources and Services Development Group, Council on Research, Chair, 1998-2000, member, 1995-1998
 University Council on Research Review Committee for the Institute for Entrepreneurial Education and Family Business Studies, 1998
 R. E. McNair Graduate Advancement Program, Mentor, 1998 (Tho Mguyen)
 Ad Hoc Committee on International Student Recruitment, Office of Academic Affairs, 1995
 Peer Review Team for University Summer Research Grants, 1995, 1998, 1999
 Search Committee for Business Dean, 1994-1995
 College Committee on Research, 1991-1994
 Advisory Committee, Placement & Co-op Center, 1993
 College M.S. & Ph.D. Advisory Committee, 1988-1990
 Search Committee for Department Chairman, 1987-1988
 Department Faculty Recruiting Committee, 1987-1988

Ph.D. General Examination Committee, 1985-1987
 M.S. Final Examination Committee, 1985-1988
 College Curricula Committee, 1987-1988
 Planning Group for International Students' Concerns, 1993
 Faculty Advisor, LSU Chinese Student Association, 1993, 1997-2000

OTHER PROFESSIONAL EXPERIENCE:

AACSB, Asia-Pacific Advisory Board, 2013-
 EFMD, Asia Advisory Board, 2012-
 President, International Business Academics Consortium, 2006-2010
 International Conference on Business and Information, Honor Program Chair, 2006-2010
Decision Sciences, Member of Editorial Board, 2005-2010
Production and Operations Management, Senior Editor, 2003-; Area Editor, 1999-2003; Member of Editorial Review Board, 1993-1999
 Reviewer, National Scholarship Awards, Ministry of Education, Republic of China, 2008
 Reviewer, National Chaired Professor, Ministry of Education, Republic of China, 2008, 2010, 2013
 Reviewer, Distinguished Research Awards, National Research Council, Republic of China, 2008-2010
IIE Transactions Special Issue on Data Mining and Web Mining, Co-editor, 2003-2006
IIE Transactions, Department Editor, On-line Quality Control, 2001-2005; Department Editor, Design of Experiments and Robust Designs, 1997-2000; Member of Editorial Board, 1996-1997; Associate Editor, 1991-1996
International Journal of Business and Information (official publication of the Academy of Taiwan Information System Research), Founding Editor, 2004-
International Journal of Operations and Quantitative Management, Area Editor, 1994-2009
Hong Kong Journal of Business Management, Member of International Review Board, 1996-2000
International Journal of Management Theory and Practice, Track Editor, 1999-2002
Industrial Management and Data Systems Journal, Member of the Editorial Advisory Board, 2003-2004.
 Georgia State Board of Regents review team, Georgia Institute of Technology, DePree School of Business, March 2002.
IIE Transactions Best Paper Award Selection Committee, 2002
 Reviewer for *Management Science*, *Operations Research*, *Technometrics*, *IIE Transactions*, *Naval Research Logistics*, *IEEE Transactions on Engineering Management*, *IEEE Transactions on Systems, Man and Cybernetics*, *Decision Sciences*, *Journal of Quality Technology*, *Journal of Intelligent Manufacturing*, *International Journal of Production Research*, *Opsearch*, *The Engineering Economist*, *Canadian Journal of Statistics*, *Journal of Operations Management*, *Production and Operations Management*, *Production Planning and Control*, *International Journal of Production Economics*, *International Journal of Reliability, Quality and Safety Engineering*, Irwin, Wadsworth & Brooks/Cole, Kluwer Academic Publishers, Indian Institute of Technology/Kharagpur (outside dissertation examiner), Indian Statistical Institute (outside dissertation examiner), City Polytechnic of Hong Kong (external reviewer for University Research Committee, review panelist for academic programs), City University of Hong Kong (external reviewer for University Research Committee), Hong Kong City Government University and Polytechnic Grants Committee, and National Science Foundation.
 Chairman, Invited Paper Cluster "Quality Control," ORSA/TIMS Joint National Meeting, New Orleans, May 1987.
 Chairman, Invited Paper Cluster "Quality Control and Management," ORSA/TIMS Joint National Meeting, San Francisco, November 1992.
 Co-chairman, Invited Paper Cluster, "Quality Management," INFORMS, Miami, November 2001.
 Chairman, Invited Paper Session "Economic Models for Quality Control," ORSA/TIMS Joint National Meeting, October 1986
 Chairman, Invited Paper Sessions "Quality Control," ORSA/TIMS Joint National Meeting, April 1991

Member, Advisory Board, INFORMS session on Data Mining, 2004-
Panelist, New Faculty Workshop, 1991 DSI National Conference
Member, DSI Case Studies Competition Committee, 1998, 1999
Member, DSI Programs and Meetings Committee, 2003-2005
Member, DSI Publication Committee, 2004-2006
Track Co-Chair, "Quality," 2005 DSI National Conference
Member, DSI Strategic Planning for International Affairs Committee, 2006-2008
Vice President, America Chinese Management Educators Association, 1990

GRADUATE COMMITTEE:

Ph.D. Dissertation - 6
M.S. Thesis - 3
Ph.D. Dissertation Committee - 21
M.S. Thesis Committee - 7

COURSES TAUGHT:

Purdue

Data Mining (MBA)
Quantitative Methods I & II (EMBA)
Quantitative Methods I (MBA)
Quantitative Methods II (MBA)
Quantitative Methods III (MBA)
Tools and Methods for Total Quality Management (undergraduate)
Management Science (Ph.D.)
Seminar in Quantitative Methods in Management Research (Ph.D.)

LSU

Statistical Methods and Models I and II (undergraduate)
Introduction to Management Science (undergraduate)
Operations/Production Management (undergraduate)
Introduction to Operations Research Methods (MBA)
Managerial Statistics (MBA)
Advanced Statistical Analysis for Research I & II (Ph.D.)
Multivariate Data Analysis
Applied Linear Models
Sample Survey Methods
Fundamentals of Operations Research
Advanced Operations Management
Seminar in Operations Management

National Chengchi University

Business Quantitative Methods (IMBA)
Multivariate Analysis (MBA)
Business Analytics (MBA)

CONSULTING

Bellcore, Shell, Interlink, ITRI, Exxon, Zimmer

PROFESSIONAL AFFILIATIONS:

INFORMS

Decision Sciences Institute
International Business Academics Consortium
America Chinese Management Educators Association