

VITA

KWEI TANG

University Chair Professor
Chia-Lun Lo Chair
College of Commerce
National Chengchi University
Taipei, Taiwan 11605, ROC
Phone: 886-2-29393091 Ext. 81027
E-mail: ktang@nccu.edu.tw

MARRIED: Anna, four children

HOME ADDRESS: 9F, No. 62-1, XinGuang Rd., Sec. 1
Taipei 11652, Taiwan

EDUCATION

- 1981-1984 Ph.D., Krannert 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

- 2018- Chia-Lun Lo Chair, National Chengchi University, Taipei, Taiwan
- 2014- Allison and Nancy Schleicher Chair Emeritus, Purdue University, West Lafayette, Indiana
- 2011- University Chair Professor, College of Commerce, National Chengchi University, Taipei, Taiwan
- 2011-2017 Dean, 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

Quality Management
 Decision Analysis
 Supply Chain Management
 Data Mining/Big Data Analytics and Applications
 Production and Inventory Management

TEACHING INTEREST

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

AWARDS AND HONORS

John S. Day Distinguished Alumni Academic Service Award, Krannert School of Management, Purdue University, 2019

Sixty Influential Alumni, Celebration for the Sixtieth Anniversary of Re-establishment in Taiwan, National Chiao Tung University, Hsinchu, Taiwan, 2018

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

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

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

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

GRANTS AND DEVELOPMENT

Mr. Chun-Ji Chou, \$20 million (NT\$600 million) for rebuilding the Center for Public and Business Administration, National Chengchi University, 2011-2017

Sinyi Realty, \$4 million for supporting business ethics education and MBA program, National Chengchi University, 2012

Ruentex, \$1.6 million for new faculty recruitment, National Chengchi University, 2011-2016

WPG Holdings, \$1 million for research and education programs in supply chain management, 2011-2019, National Chengchi University.

E-Shan Bank, \$1 million for renovation of a lecture hall, National Chengchi University, 2016

Sinyi Realty and a private donor, \$100,000 for 2 termed professorships, National Chengchi University, 2016

Advantech, \$16,000, for developing 25 Taiwan and China business cases, National Chengchi University, 2014

Principal Investigator, "Establishment and Operation Plan of the Financial Technology Innovation Research Center," \$903,200, Ministry of Science and Technology, Taiwan, 2017-2021

Principal Investigator, "Center for Business Value Creation," \$600,000, Ministry of Education, 2018-2020.

Principal Investigator, "Incentive Outsourcing Contracts for Usage-Based Maintenance Policy," \$79,900, Ministry of Science and Technology, Taiwan, 2018-2021

Principal Investigator, "Effective Strategies for Active Feature-Value Acquisition for Managing Missing Values in Online User-Generated Product Reviews," Ministry of Science and Technology, Taiwan, \$93,700, 2015-2018

Principal Investigator, "The Power of Information on Social Network Sites," Ministry of Science and Technology, \$59,000, 2012-2014

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
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
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

PROFESSIONAL EXPERIENCE

Founding President, Association of Taiwan Business Schools, 2018-
Production and Operations Management, Senior Editor, 2003-; Area Editor, 1999-2003; Member of Editorial Review Board, 1993-1999
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
IIE Transactions Special Issue on Data Mining and Web Mining, Co-editor, 2003-2006
Decision Sciences, Member of Editorial Board, 2005-2010
Georgia State Board of Regents review team, Georgia Institute of Technology, DuPree School of Business, March 2002
Plenary Session Panelist, EFMD Deans and Directors Conference, Istanbul, 2013
Member, EFMD Asia Advisory Board, 2012-2015
Member, EQUIS Peer Review Team: Renmin University, 2013
IIE Transactions Best Paper Award Selection Committee, 2002
Member, Advisory Board, INFORMS session on Data Mining, 2004-2018
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

AACSB SERVICES

Member, Initial Accreditation Committee, 2013-
Session Speaker, Asia Pacific Annual Conference, Beijing, 2012
Session Speaker, ICAM, Singapore, 2014
Conference Chair and Plenary Speaker, Asia Pacific Annual Conference, Kuala Lumpur, 2012
Member, Asia Pacific Advisory Council, 2014-2017
Mentor: IIM Calcutta (2013), Xiamen University (2015-2018), Southwest University of Finance and Economics (2015-2017), CKGSB (2018-), Khon Kaen University (2019-)
Chair, Peer Review Team: Renmin University (2018), University of Gadjah Mada (2019), Shanghai University of Science and Technology (2018), Shanghai University of Finance and Economics (2021)
Member, Peer Review Team: University of Gadjah Mada (2014), Hong Kong Polytechnic University (2015), Xian Jiao Tong University (2016), Chulalongkorn University (2014), Nagoya University of Commerce and Business (2015)
CIR Seminar Facilitator: Shanghai (2015), Seoul (October, 2019)

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. Pruet, 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. Chen, Y. L., 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. Chen, Y.L., C.C. Wu, and K. Tang (2016), "Time-constrained Cost Sensitive Decision Tree Induction," *Information Sciences*, 354, 140-152.
82. Fang, Y.H. and K. Tang (2016), "Involuntary migration in cyberspaces: The case of MSN messenger discontinuation," *Telematics and Informatics*, 34(1), 177-193.
83. Fang, Y.H., K. Tang, Chia-Ying Li, and Chia-Chi Wu (2018), "On Electronic Word-of-Mouth Diffusion in Social Networks: Curiosity and Influence," *International Journal of Advertising*, 37(3), 360-384.
84. Wu, C. C., Y. L. Chen, and K., Tang (2019), "Cost-Sensitive Decision Tree with Multiple Resource Constraints." *Applied Intelligence*, 49(10), 3765-3782.

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. Pruetz, "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.

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.

DEPARTMENT, COLLEGE, AND UNIVERSITY ACTIVITIES

NCCU

University Assembly, 2011-2017
University Academic Evaluation Committee, 2011-2017, 2019-2021
University Campus Planning Committee, 2011-2017
University Development Committee, 2011-2017
University Academic Award Committee, 2013-
Chair, College Academic Evaluation Committee, 2011-2017
Chair, College Affairs Committee, 2011-2017

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 Mgyuen)
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

Reviewer, Aim for the Top University Project, Ministry of Education, Republic of China, 2010, 2013, 2014
 Reviewer, Academic Award, Ministry of Education, Republic of China, 2008, 2016
 Reviewer, National Chair Professorship, Ministry of Education, Republic of China, 2008, 2010, 2013
 Reviewer, Distinguished Research Awards, National Research Council, Republic of China, 2008-2010
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.
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, 2004-2019
 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

NCCU

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

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

CONSULTING

Bellcore, Shell, Interlink, ITRI, Exxon, Zimmer

PROFESSIONAL AFFILIATIONS

INFORMS
Decision Sciences Institute