

# Min-Tsai Lai 賴明材

Department of Business Administration

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## Education

- ◆ PhD, Industrial Engineering, National Tsing-Hua University, 1990/7
- ◆ Master, Industrial Engineering, National Tsing-Hua University, 1986/7
- ◆ B.S., Department of Statistics, National Cheng Kung University, 1984/7.

## Area of Specialty

Operations Research, Statistical Application, Operations Management

## Academic Experience

- ◆ Dean, College of Business, Southern Taiwan University, 2008/7 to present.
- ◆ Professor, Department of Business Administration, Southern Taiwan University, 2008/2 to present.
- ◆ Associate Professor & Chairman, Department of Business Administration, Southern Taiwan University, 2003/8 to 2008/1.
- ◆ Associate Professor, Department of Management and Information Technology, Southern Taiwan University, 2003/1 to 2003/7.
- ◆ Associate Professor, Department of Industrial Management; Dean, The General Affairs Office, Southern Taiwan University of Technology, 1998/8 to 2002/12.
- ◆ Associate Professor, Department of Industrial Management; Dean, The General Affairs Office, Nan-Tai Institute of Technology, 1996/8 to 1998/7.
- ◆ Associate Professor, Department of Industrial Engineering and Management, Dean, The General Affairs Office, Nan-Tai Junior College, 1996/2 to 1996/7.
- ◆ Associate Professor & Chairman, Department of Industrial Engineering and Management, Nan-Tai Junior College, 1992/8 to 1996/1.
- ◆ Associate Professor & Chairman, Department of Business Administration, Nan-Tai Junior College, Tainan, 1991/8 to 1992/7.
- ◆ Associate Professor, Department of Industrial Management, Chung Hua University, 1990/8 to 1991/7.

- ◆ Instructor, Department of Industrial Management, Van Nung Institute of Industry, 1988/8 to 1990/7.

## **Publications**

### **Journal Papers:**

1. Chien-Chung Huang, Pei-Juan Lai, Wen-Sheng Tzeng and Min-Tsai Lai, A Study on the Relationship among the Turnover Intention of the Radiological Technologists in Taiwan, Chinese Journal Of Radiologic Technology, Vol.34, NO.1, pp.68-73, 2010.
2. Min-Tsai Lai\* and Chung-Wen Hung, A Discrete Replacement Model for a Two-Unit System subject to Failure Rate Interaction and external shock, Journal of Southern Taiwan University, Vol.34, NO.3, pp.49-61, 2009.
3. Min-Tsai Lai\*, A discrete replacement model for a two-unit system subject to failure rate Min-Tsai Lai\*, A discrete replacement model for a two-unit parallel system subject to failure rate interaction, Quality & Quantity, Vol.43, No.3, pp.471-479, 2009. (2008 JCR Impact Factor=0.47). Nsc-94 - 2213-E-218-010. **[SSCI]**
4. Min-Tsai Lai and Hsin Chang, A study of the effect of Relationship Marketing, Service Quality and Customer Value on Customer Satisfaction--Taking the Mobile Communication Service in Tainan as an Example, Journal of business management · Vol.4, No.1, pp.21-34, 2008.
5. Chun-Mei Cheng, Pi-Yu Fan and Min-Tsai Lai · Improving Practice of Outpatient medical records management operations--Taking Chest hospital, Department of Health, Executive Yuan as an example, Journal of Taiwan Medical Record Management, Vol.7, No.2, pp.30-39, 2008.
6. Min-Tsai Lai\* and Ying-Chang Chen, Optimal replacement period of a two-unit system with failure rate interaction and external shocks, International Journal of Systems Science, Vol.39, No.1, pp.71-79, 2008. (2008 JCR Impact Factor=0.634). Nsc-94 - 2213-E-218-010. **[SCI]**
7. Min-Tsai Lai\*, A Periodical Replacement Model Based on Cumulative Repair Cost Limit, Applied Stochastic Models in Business and Industry, Vol.26, No.6, pp.455-464, 2007. (2008 JCR Impact Factor=0.351). **[SCI]**
8. Min-Tsai Lai\*, Periodical replacement model for a multi-unit system subject to failure rate interaction, Quality & Quantity, Vol.41, No.3, pp.401-411, 2007.(2008 JCR Impact Factor=0.47). Nsc-94-2213-E-218-010. **[SSCI]**
9. Chung-Ho Chen and Min-Tsai Lai, Determining the Optimum Process Mean based on Quadratic Quality Loss Function and Rectifying Inspection Plan, European Journal of Operational Research, Vol.182, No.2, pp. 755-763, 2007. ( 2008 JCR Impact Factor =1.627). **[SCI]**
10. Chung-Ho Chen and Min-Tsai Lai, Economic Manufacturing Quantity, Optimum Process Mean, and Economic Specification Limits Setting under the Rectifying Inspection Plan, European Journal of Operational Research, Vol.183, No.1, pp.336-344, 2007.(2008 JCR Impact Factor=1.627). **[SCI]**
11. Chung-Ho Chen and Min-Tsai Lai, Dodge-Romig Rectifying Single Sampling Plans Based on Inspection Error, Journal of Chung Cheng Institute of Technology (EI), Vol.35, No.2, pp.1-8, 2007. **[EI]**
12. Min-Tsai Lai\* and Ying-Chang Chen, Optimal periodic replacement policy for a two-unit system with failure rate interaction, International Journal of Advanced Manufacturing Technology, Vol.29, No.3-4, pp.367-371, 2006. (2008 JCR Impact Factor=0.743). Nsc-94-2213-E-218-010. **[SCI]**
13. Min-Tsai Lai\*, Wurong Shih and Kai-Yao Tang, Economic discrete replacement policy subject to increasing failure rate shock model, International Journal of advanced manufacturing Technology (SCI), Vol.27, No.11, pp.1242-1247, 2006.(2008 JCR Impact Factor=0.743). NSC 92 -2213 -E-218 -029. **[SCI]**
14. Chung-Ho Chen and Min-Tsai Lai, Minimum Average Fraction Inspected for CSP-M Plan, Tamkang Journal of Science and Engineering, Vol.9, No.2, pp.151-154, 2006. **[EI]**

15. Chung-Ho Chen and Min-Tsai Lai, Determining the Optimum Process Mean Under the Product Rework, Tamkang Journal of Science and Engineering, Vol.9, No.3, pp.205-214, 2006. **[EI]**
16. Ching-Shan Yeh, Min-Tsai Lai, Wen-Sheng Tzeng, Wen-Yu Lee and Min-Jung Wang, Research of Constructs Radio Diagnostic Balanced Scorecard to Medicinal Management, Taiwanese Journal of Applied Radiation and Isotopes, Vo.2, No.2, pp.137-149, 2006.
17. Ta-Chung Chu and Min-Tsai Lai, Selecting distribution center locating using an improved fuzzy MCDM approach, International Journal in Advanced Manufacturing Technology, Vol. 26, No.3, pp.293-299, 2005. (2008 JCR Impact Factor=0.743). **[SC/I]**
18. Min-Tsai Lai\* and Bor-Yuh Leu, An economic discrete replacement policy for a shock damage model with minimal repairs, Microelectronics and Reliability, 36, pp.1347-1355, 1996. (NSC-85-2213-E-218-005). **[EI]**
19. Bor-Yuh Leu and Min-Tsai Lai, Effect of cell transfer batches on group scheduling in a flow shop cellular system, Journal of the Chinese Institute of Industrial Engineers (EI), 13, pp.391-399, 1996. **[EI]**
20. Min-Tsai Lai\* and John Yuan, Cost-optimal replacement period for a single-unit system subject to shocks, Journal of the Chinese Institute of Industrial Engineers (EI), 10, pp.57-62, 1993. (NSC-80-0415-E-216-01). **[EI]**
21. Min-Tsai Lai\* and John Yuan, Cost-optimal periodical replacement policy for a system subjected to shock damage, Microelectronics and Reliability (EI), 33, pp.1159-1168, 1993 (NSC -80 -0415-E-216-01). **[EI]**
22. Min-Tsai Lai\* and John Yuan, An optimal replacement period for a parallel system with single and multiple failures, Stochastic Models, 9, pp.81-89, 1993. **[SC/I]**
23. Min-Tsai Lai\*, Cost-optimal discrete replacement policy for a system subject to shock, Nan-Tai Junior College of Engineering and Business, Vol.15, pp.433-442, 1992.
24. Min-Tsai Lai\* and John Yuan, Periodic replacement model for a parallel system with independent and common cause shock failures, Reliability Engineering and System Safety, 31, no.3, pp.355-367, 1991. **[SC/I]**
25. Min-Tsai Lai\* and John Yuan, Cost-optimal replacement policy ( $N^*, n^*$ ) for a parallel system with common cause failures, Reliability Engineering and System Safety, 32, no.3, pp.339-347, 1991. **[SC/I]**
26. Min-Tsai Lai\* and John Yuan, Optimal replacement policy ( $N^*, n^*$ ) for a parallel system with common cause failures and geometric repair time, Microelectronics and Reliability, 30, 973-982, 1990. **[EI]**
27. John Yuan, Min-Tsai Lai and K.L. Ko, Evaluation of system reliability with common-cause failures, by a pseudo-environments model, IEEE Transaction on Reliability, R-38, 328-332, 1989. **[SC/I]**

### **Conference Papers:**

1. Min-Tsai Lai, Replacement Model with Cumulative Repair Cost Limit for A Two-Unit System Under Failure Rate Interaction between Units, 2011 International Conference on Business and Information, 2011/07, Bangkok, Thailand.
2. Min-Tsai Lai and Chung-Wen Hung, Optimal replacement period with cumulative repair-cost limit for a system under increasing failure rate shock mode, 2010 International Conference on Business and Information, 2010/07, Kitakyushu, Japan.
3. Chia-Jung Chen\*, Min-Tsai Lai, Chung-Wen, Hung, and Hsing-Chou Chen, The Effect of Negative News Announcements on The Investment Return of PHD, 2009 International Conference on Knowledge-Based Economy & Global Management, 2009/10, Southern Taiwan University, Taiwan.
4. Chia-Jung Chen\* and Min-Tsai Lai, Application of Fuzzy theory on Evaluation of Business Performance, The seventh management thinking and practice Symposium, 2009/06, Ming Chuan University.

5. Chen Yen Ling, Min-Tsai Lai and Xie Hsiu Hsiung, The relationships between leisure motivation, leisure constraint and leisure satisfaction of employees in financial service industry – for example in the Tainan area, 2009 Symposium on sports and leisure industry management, 2009/04, Chienkuo Technology University.
6. Mei-chung Yang, Min-Tsai Lai and Xie Hsiu Hsiung, A study on the Relationships among Family Socio- Economic Status, Leisure Attitudes, and Leisure Constraint: The Analysis of Vocational High School in Tainan Country, 2009 Symposium on sports and leisure industry management, 2009/04, Chienkuo Technology University.
7. Min-Tsai Lai and Hsing-Chou Chen, The relationship between internal and external mechanism of corporate government, 2009 finance accounting and business management decision-making Conference, 2009/03, Southern Taiwan University.
8. Ling-Yu Liang and Min-Tsai Lai, A Study of Economic Value Added (EVA) on Taiwan Headlamp Manufacturing Industry, The 7th Conference on Services and Innovation Management, 2008/10, Southern Taiwan University.
9. Chien-Chung Huang, Min-Tsai Lai and Wen-Sheng Tzeng, A Study on the Relationship among the Personality Trait, Job Stressor, Organizational Commitment and Turnover Intention of the Radiological Technologists in Taiwan, The 7th Conference on Services and Innovation Management, 2008/10, Southern Taiwan University.
10. Shih-Chang Sun and Min-Tsai Lai, Association of personality with performance and satisfaction: Survey analysis of medical technologists of phlebotomy team of teaching hospitals in Taiwan, 2008 conformity assessment and certification conference, 2008/09, Taiwan Accreditation Foundation.
11. Min-Tsai Lai and Hsin Chang, A study of the effect of Relationship Marketing, Service Quality and Customer Value on Customer Satisfaction–Taking the Mobile Communication Service in Tainan as an Example, 2008 Taiwan Business Management Theory and Practice Conference, 2008/05, Far-East University.
12. Min-Tsai Lai, Ru-Hui Chang and Pao-Lien Chen, Relationship between organizational identity, organizational identification and organizational commitment–A case study of domestic professional baseball relational enterprises, 2007 Annual Conference of Chinese Association of Business and Management Technology, 2007/10, Southern Taiwan University.
13. Min-Tsai Lai, Sy-Tang Chiu and Xian Zhi Chiu, Innovation incentive system of Patent partial monopoly--Taking the mold industry as an example, International Conference on 40th anniversary celebration, 2007/05, Chungyu Institute of Technology.
14. Min-Tsai Lai and Chang-Shun Guan, A Periodical Replacement Model Based on an Cumulative Repair Cost Limit, 2006 Annual Conference of Chinese Institute of Industrial Engineers, 2006/12, TungHai University.
15. Jing-Yi Lin, Hsinan Hsu and Min-Tsai Lai, The Temporal Relationship between the Four Taiwanese Index Futures, 2006 Management Academic Conference, 2006/05, Leader University.
16. Chong-Hong Chen and Min-Tsai Lai, The study of Service Quality, Service Failure, Service Recovery, and Customer Satisfaction —Take an example from the warehouse store in Tainan, The 7th Conference on Small and Medium Enterprise Management, pp.186-203, 2006/05, National Chung-Cheng University.
17. Min-Tsai Lai, Sheng-Te Kao, and Ying-Chung Chen, Optimal number of Minimal Repairs for a Two-Unit System subject to Failure Rate Interaction and external shocks, 2005 Annual Conference of Chinese Institute of Industrial Engineers, 2005/12, Chung Hua University.
18. Min-Tsai Lai, Ying-Chung Chen and Sheng-Te Kao, Periodical Replacement Model for a Multi-Unit System Subject to Failure Rate Interaction, The 22nd National Conference on Mechanical Engineering, 2005/11, National Central University.

19. Min-Tsai Lai, Ying-Chung Chen and Sheng-Te Kao, Discrete replacement model for a Two-Unit System subject to Failure Rate Interaction, The 2nd conference on Operational Research Theory, Application, and Practice, 2005/11, National Cheng Chi University.
20. Min-Tsai Lai and Xiu-Qin Yi, Using Quality Function Deployment to clinically nurses teaching, 2005 Conference on Healthy leisure and hospitality Management, 2005/05, Leader University.
21. Min-Tsai Lai, Ying-Chung Chen and Sheng-Te Kao, Optimal Periodical Replacement Policy for a Two-Unit System with Failure Rate Interaction and External Shocks, 2004 Annual Conference of Chinese Institute of Industrial Engineers, 2004/12, National Cheng Kung University.
22. Min-Tsai Lai, Sheng-Te Kao, and Ying-Chung Chen, Optimal Periodical Replacement Policy for a Two-Unit System with Failure Rate Interaction, The first conference on Operational Research Theory, Application, and Practice, pp.151-160, 2004/11, National Taipei University of Technology.
23. Min-Tsai Lai and Ting-Yu Zhang, Optimal replacement period in a shock damage model with minimal repairs, 2003 Annual Conference of Chinese Institute of Industrial Engineers, 2003/12, Chien-Kuo Institute of Technology.
24. Min-Tsai Lai and Kai-Yao Tang, Discrete replacement policy for increasing failure rate shock model, 2003 Annual Conference of Chinese Institute of Industrial Engineers, 2003/12, Chien-Kuo Institute of Technology.
25. Min-Tsai Lai and Kai-Yao Tang, Discrete replacement policy for increasing failure rate shock model, The 20nd National Conference on Mechanical Engineering, pp.1213-1220, 2003/11, National Taiwan University.
26. Min-Tsai Lai and Ying-Chung Chen, Optimum screening limits for minimizing expected total cost – Weibull distribution case, pp.1207-1212, The 20nd National Conference on Mechanical Engineering, 2003/11, National Taiwan University.
27. Min-Tsai Lai, An economic preventive replacement period in a shock damage model with minimal repairs, pp.225-232, The 14th National Technical and Vocational Education Conference, 1999/04.
28. Maw-Sheng Chern and Min-Tsai Lai, Optimum Replacement Policy for Multi-Tool Operations, pp.452-471, 1986 Annual Conference of Chinese Institute of Industrial Engineer, 1986/12, National Sun Yat-sen University.

## **Dissertation**

1. Min-Tsai Lai (1990), "Studies on optimal replacement policies in terms of stochastic process methodologies," Ph.D. Dissertation, National Tsing-Hua University.
2. Min-Tsai Lai (1986), "Optimum replacement policy for multi-tool operations," Master's thesis, National Tsing-Hua University.

## **Grants**

1. Metal Industries Research & Development Center, Technology Care Project of Academia to Assist SMEs – Diagnosis of production processes and inventory management improvement, NT. 60,000, 2011/8 – 2011/12.
2. National Science Council, No: NSC-100-2410-H-218-006-MY2, "Preventive Maintenance Models for a Two-unit System with both failure rate interactions and external shocks", NT. 1,010,000, 2011/8 - 2013/7.
3. Ministry of Education-Characteristics model program, No:1000041444Y, Service technology innovation and Entrepreneurship experiment park establishment project (3rd Year), NT.5,811,250, 2011/03 – 2011/12.
4. Ministry of Education, 2011 Information and Communication Security Program Project, NT.1,125,000, 2011/2 – 2012/1.
5. National Science Council, No: NSC-99-2410-H-218-016, "Preventive Maintenance Models for a Two-unit System with both failure rate interactions and external shocks", NT. 404,000, 2010/8 – 2011/7.

6. Metal Industries Research & Development Center, Technology Care Project of Academia to Assist SMEs – Enterprise Lean manufacturing reforming plan, NT.72,000, 2010/12 – 2011/5.
7. Metal Industries Research & Development Center, Technology Care Project of Academia to Assist SMEs – Assessment of e-job description of production line, NT.72,000, 2010/7 – 2010/12.
8. Ministry of Education, 2010 Information and Communication Security Program Project , NT.950,000, 2010/2 – 2010/12.
9. Ministry of Education-Characteristics model program, No:0990045921e, Service technology innovation and Entrepreneurship experiment park establishment project (2nd Year), NT.7,470,000,2010/02 – 2010/12.
10. Metal Industries Research & Development Center, Technology Care Project of Academia to Assist SMEs – Diagnosis of Business Situation and assessment of business process re-engineering, NT.72,000, 2010/01 – 2010/06.
11. Ministry of Education, 2009 Information and Communication Security Program Project,, NT.881,250, 2009/09 – 2010/01.
12. Ysd Technology Co., Ltd., Promoting and importing of ERP, NT. 60,000, 2009/08 – 2010/01.
13. National Science Council, No: NSC-97-2410-H-218-014-MY2, “Preventive Maintenance Models for a Two-unit System with both failure rate interactions and external shocks”, NT. 1,098,000, 2008/8 – 2010/7.
14. Ministry of Education-Characteristics model program, No:0980055254U, Service technology innovation and Entrepreneurship experiment park establishment project (1st Year), NT.7,799,400, 2009/04 – 2009/12.
15. So-Easy International Co., Ltd., Testing of business process management system software platform, NT. 50,000, 2008/08 – 2008/12.
16. National Science Council, No: NSC-94-2213-E-218-010, “Preventive Maintenance Models for a Two-unit System with both failure rate interactions and external shocks”, NT. 398,000, 2005/8 – 2006/7.
17. National Science Council, No: NSC-93-2213-E-218-017, “A Delta--Preventive Maintenance Model Using the Length of Inter-failure Times as Decision Variable “, NT. 499,500, 2004/8 – 2005/7.
18. National Science Council, No: NSC-92-2213-E-218-029, “Condition-Based Preventive Maintenance/inspection Model for a System subject to Shocks”, NT. 481,800, 2003/8 – 2004/7.

## **Honors and Awards**

1. The Best Paper(Group G – Medical Laboratory), Association of personality with performance and satisfaction: Survey analysis of medical technologists of phlebotomy team of teaching hospitals in Taiwan, 2008 conformity assessment and certification conference, Taiwan Accreditation Foundation, 2009/09/16.
2. The best creative team Leadership Award (The field of biomedical innovation), 8th TiC100 Competition – Entrepreneurship Innovating Life, Advantec Foundation/ITRI, 2007/08/27.
3. National Science Council, A Award of Research Award, Cost-Optimal Replacement Period for a single-unit system subject to shocks, NT.120,000, 1994/08 – 1995/07.
4. National Science Council, A Award of Research Award, An Optimal Replacement period for a Parallel system with Single and Multiple Failures, NT.120,000, 1993/08 – 1994/07.
5. National Science Council, Excellence Award in Research Award, Cost-Optimal Policy (N,n) for a Parallel System with Common Cause Failure, NT.180,000, 1992/08 – 1993/07.
6. National Science Council, Excellence Award in Research Award, Periodical Replacement Model for a Parallel System with Independent Common Cause Failure, NT.180,000, 1991/08 – 1992/07.

7. National Science Council, A Award of Research Award, Studies on optimal replacement policies in terms of stochastic process methodologies, NT.120,000, 1990/08 – 1991/07.

## **Academic Service**

1. Reviewer, Communications in Statistics–Theory and Methods, 2011/09 – 2011/12.
2. Reviewer, Communications in Statistics–Theory and Methods, 2011/05 – 2011/07.
3. Reviewer, International Journal of Systems Science, 2011/02 – 2011/06.
4. Director, Chinese Society for Management of Technology in Kaohsiung, 2011/01 – 2013/01.
5. Committee Member of self-evaluation, Department of Business Administration in Nan Jeon Institute of Technology, 2010/10 – 2010/10.
6. Committee Member, Project Evaluation of 99 school year College of Technology, 2010/09 – 2010/10.
7. Committee Member of self-evaluation, College of Management in Minghsin University of Science and technology , 2010/09 – 2010/10.
8. Reviewer, International Journal of Production Research, 2010/09 – 2011/01.
9. Committee Member of self-evaluation, Graduate school of Business and Management in Vanung University, 2010/09 – 2010/09.
10. Reviewer, International Journal of Systems Science, 2010/08 – 2010/12.
11. Reviewer, Journal of the Chinese Institute of Industrial Engineers, 2010/05 – 2010/07.
12. Best Paper Reviewer, International Conference on Business and Information (BAI2010), 2010/05 – 2010/06.
13. Committee Member of self-evaluation, Department of Industrial Engineering and Management in National Kaohsiung University of Applied Sciences, 2010/05 – 2010/05.
14. Committee Member of self-evaluation, College of Management in National Formosa University, 2010/04 – 2010/05.
15. Committee Member of self-evaluation, Graduate school of Business and Management in Vanung University, 2010/04 – 2010/04.
16. Committee Member of self-evaluation, Administrative Support Unit of Min-Hwei College of Health Care Management, 2009/10 – 2009/10.
17. Reviewer, International Journal of Systems Science , 2009/09 – 2010/05.
18. Editor, Journal of Southern Taiwan University, 2009/08 – until now.
19. Reviewer, Journal of Risk and Reliability, 2009/06 – 2009/07.
20. Reviewer, International Journal of Systems Science, 2009/02 – 2009/03.
21. Reviewer, IEEE Transactions on Reliability, 2009/02 – 2009/03
22. Reviewer, International Journal of Information and Management Sciences, 2009/02 – 2009/03.
23. Committee Member of self-evaluation, Administrative Support Unit of Chang Gung Institute of Technology, 2007/12 – 2007/12.
24. Committee Member of self-evaluation, Department of Business Administration in Nan Jeon Institute of Technology, 2007/06 – 2007/07.
25. Reviewer, IIE-Transactions(SCI), 2006/09 – 2006/12.
26. Reviewer, IIE-Transactions(SCI), 2005/12 – 2006/03.
27. Reviewer, Electronic Commerce Studies, 2005/12 – 2006/02.
28. Secretary-General, Chinese Society Service Management, 2006/11 until now.
29. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2003/01 until now.

30. Committee Member, Project Evaluation of 95 school year College of Technology, 2006/10—2007/06.
31. Committee Member, Project Evaluation of 94 school year College of Technology, 2005/10—2006/06.

### **Professional Certifications**

1. Business Intelligence Planners, No: BIP11CE00608, Chinese Enterprise Resource Planning Society, 2011/03.
2. MOS -Excel 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
3. MOS-Word 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
4. MOS-PowerPoint 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
5. MOS-Outlook 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
6. Microsoft Office 2007 Master, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
7. IC3 Certification, CERTIPORT, 2009/10.
8. Microsoft Office PowerPoint 2003, Microsoft Corporation/Elite Information Technology Company, 2009/02.
9. Microsoft Office Access 2003, Microsoft Corporation/Elite Information Technology Company, 2009/01.
10. Microsoft Office Word 2003, Microsoft Corporation/Elite Information Technology Company, 2009/01.
11. Microsoft Office Excel 2003, Microsoft Corporation/Elite Information Technology Company, 2009/01.
12. Microsoft Office Specialist 2003 Master, Microsoft Corporation/Elite Information Technology Company, 2009/02.

### **Professional Service**

1. Advisory Committee, Department of International Business in Chang Jung Christian University , 2010/10—2012/07.
2. Advisory Committee, Enhancing school management Project of Yu Da Institute of Technology, 2006/04—2006/06.
3. Instructor and Consulting, Burnon Technology Co., Ltd. In Incubation Center of Southern Taiwan University, 2008/08—2009/07.
4. Review Committee, Small Business Innovation Research Program (SBIR), 2007/06/12.