

## Prof. Dr. Ming-Lang Tseng

Email: [tsengminglang@gmail.com](mailto:tsengminglang@gmail.com); [ml.tseng@mail.lhu.edu.tw](mailto:ml.tseng@mail.lhu.edu.tw)

**My Facebook** <http://www.facebook.com/minglang.tseng>

**Publication Summary:** Selected Journal Articles: **49**; Selected Conference papers: **67**;  
Projects: **18**  
(Scopus: **h-index: 18**; **Google h-index: 24**) (2005-2014)

### Current Position

- 2012/08~Present: Professor, Department of Business Administration (MBA), Lunghwa University of Science and Technology , Taiwan
- **Lecture in English IMBA program-** Strategic Management, Operations Management, Supply Chain Management, Innovation and Enterprise Management

### Academic Social Services

- 2006~ Present: Member; Chinese Institute of Industrial Engineering
- 2007-Present: Director, Asia Pacific Industrial Engineering and Management System Society <http://www.apiems.net>
- 2009/12~ Present: Chair & Executive Director; Asia Pacific Business Innovation and Technology Management Society <http://www.apbitms.net> <http://apbitm.org>
- 2011/07~ Present: Vice President & Executive Director; International Society of Business Innovation and Technology Management Society <http://is4bitm.org> <http://www.is4bitm.net>
- 2011/10~present: Director, International foundation for production research in Asia Pacific Region (IFPR-APR). <http://www.ifpr-apr.net/>
- 2009~2011Journal Editor Office, Asia Pacific Roundtable for Sustainable Consumption and Production Society <http://www.aprscp.net>

### Journal Editorial Member

- 2004-Present: International Editor, Journal of Philippines Institute of Industrial Engineers
- 2009-Present: Editor in Chief. International Journal of Asia Pacific Business Innovation and Technology Management (Asia Pacific Business Innovation and Technology Management Society)
- 2010-Present: Editor. Progress in Business Innovation and Technology Management
- 2011-2013: Guest Editor. Journal of Cleaner Production special issue volume 40 (**2011: SCI; IF:2.7**)
- 2012-2014: Member of the Editorial Board, The UPH Surabaya Research Review, Indonesia
- 2012-2013: Board Member, Applied Soft Computing Journal (**2011: SCI; IF:2.6**)
- 2013-Present Board Member, International Journal of Supply Chain and Operations Resilience (InderScience)

**Publications (2006~Present)**

**2015 Selected Journal Papers**

1. **Tseng, M.L.**, Lim, K. M., Wong, W.P.(2015/01/16). Sustainable supply chain management: a closed-loop network approach. **Industrial Management & Data System (SCI, IF:1.3) (Accepted)**
2. Wu, K.J., Liao, C.J., **Tseng, M.L.**, Chiu, A.S.F. (2014). Exploring Decisive Factors in Green Supply Chain Practices under Uncertainty. **International Journal of Production Economics** 159, 147-157 **(2011: SCI, IF:2.09) (Corresponding Author)**
3. **Tseng M.L.**, Lin, Y.H., Lim M., Teehankee, L.B. (2015). Using hybrid method to evaluate the service innovation in hotel industry. **Applied Soft Computing** 28,411-421 **(NSC-102-2410-H-262 -011) (2012:SCI, IF:2.67)**
4. Lin, Y.H., **Tseng, M.L.,\*** (2014). Assessing the competitive priorities within sustainable supply chain management under uncertainty. **Journal of Cleaner Production (2012: SCI, IF:3.4) (Accepted 2014/07/04) (Corresponding Author)** (NSC-102-2410-H-262 -011)
5. Chen, R.H., Lin, Y.H., **Tseng, M.L.,\*** (2014). Multi-criteria analysis of sustainable development indicators in the construction minerals industry in China. **Resources Policy (2013: SSCI, IF:1.391) (Accepted 2014/10/31)**
6. Gong, M.F., Tan, K., Pawar, K., Wong, W.P., **Tseng, M.L.** (2014). Information Communication Technology and Sustainable Food Supply Chain: A Resource-Based Analysis. **International Journal of Business Performance and Supply Chain Modeling (Inderscience) (Article in press)**

**2014 Referred Journal Papers**

7. Lin, Y.H., Chen, C.C., Tsai, Chuck F.M., **Tseng M.L.\*** (2014). Balanced scorecard performance evaluation in a close-loop hierarchical model under uncertainty. **Applied Soft Computing** 24 , 1022–1032 **(Corresponding Author)** (NSC 100-2914-I-262-001-A1) **(2012:SCI, IF:2.67)**
8. Wong, W.P., Deng, Q., **Tseng, M.L.**, Lee, L.H., Hooy, C.W. (October/December 2014). A stochastic setting to bank financial performance for refining efficiency estimates. **Intelligent Systems in Accounting, Finance and Management** 21(4), 225–245 (wileyonlinelibrary.com)
9. **Tseng M.L.**, Tan, K., Chiu, ASF (2014). Foreword: Special Issue on OPERATIONAL EXCELLENCE TOWARDS GREEN GROWTH. **Industrial Engineering & Management Systems** 13 (2), 117-117**(AUSTRALIA Index System and Scopus)**
10. Tan, KH., Shi, L., **Tseng, ML.**, Cui, WJ (2014) Managing the Indirect Effects of Environmental Regulation and Performance Measurement. **Industrial Engineering & Management Systems** 13 (2), 148-153**(AUSTRALIA Index System and Scopus)**
11. **Tseng, M.L.**, Lin, R.J., Lin, Y.H., Chen, R.H., Tan K., (2014). Close-loop or open hierarchical structures in green supply chain management under uncertainty. **Expert Systems with Applications** 41(7), 3250-3260 **Q1 (2011: SCI, IF:1.854) (20140315 TOP 14<sup>th</sup> Downloaded)**
12. Wong, Y.P., **Tseng, M.L.**, Tan, K., (May, 12 2014). A business process management capabilities perspective on organization performance. **Total Quality Management & Business Excellence** 25(6), 602-617 **Q3 (2011: SSCI, IF:0.894)**
13. Lin, Y.H., **Tseng, M.L.,\*** Chiu, A.S.F., Wang, R. (2014) Implementation and performance evaluation of firm's green supply chain management in uncertainty. **Industrial**

**Engineering and Management Systems (IEMS), 13(1), 15-28 (AUSTRALIA Index System and Scopus)**

14. **Tseng, M.L.\***, Lin, R.J., Tan K., Geng, Y., Lim, M. (2014). Benchmarking eco-efficiency in green supply chain practices in uncertainty. **Production Plan & Control** 25(13-14), 1079-1090 **Q3 NSC101-2410-H-262 -004 - (April, in press) (2011:SCI, IF:0.725)**
15. **Tseng, M.L.\***Lin, Y.H., Tan, K., Chen, R.H., Chen, Y.H. (2013). Using TODIM to evaluate green supply chain management under uncertainty. **Applied Mathematical Modelling** 38 (2014) 2983–2995 **(2011: SCI, IF:1.534) NSC100-2914-I-262-001-A1**
16. Wu, K.J., Liao, C.J., **Tseng, M.L.** (2014). Using fuzzy DEMATEL to evaluate the performance of green supply chain practices. **Mitteilungen Klosterneuburg** 64(4), PP 57-83 **Q4. (2013: SCIE, IF:0.032)**

**2013 Referred Journal Papers**

1. Lin, Y.H., **Tseng, M.L.\***, Cheng, Y.L., Chiu, A.S.F., Geng, Y. (2013). Performance evaluation of technological innovation capabilities in uncertainty. **Scientific Research & Essays** 8(13), 501-514 (Corresponding Author)
2. **Tseng, M.L.\***, Chiu, A.S.F., Tan, R.R., Manalang, A.B. (Jan. 2013). Sustainable consumption and production for Asia: Sustainability through green design and practice. **Journal of Cleaner Production** 40, 1-5 **Q1 (2011: SCI, IF:2.7)**
3. **Tseng M.L.** (2013). Modeling the sustainable production indicators in linguistic preferences. **Journal of Cleaner Production** 40, 46-56 **Q1 (2011:SCI, IF:2.7)**
4. **Tseng M.L.** & Chiu, A.S.F. (2013). Evaluating firm's green supply chain management in linguistic preferences. **Journal of Cleaner Production** 40, 22-31 **Q1 NSC100-2914-I-262-001-A1 (2011:SCI, IF:2.7)**
5. **Tseng, M.L.**, Wang, R., Chiu, A.S.F., Geng, Y., Lin, Y.H.\* (2013). Improving performance of green innovation practices in uncertainty. **Journal of Cleaner Production** 40, 71-82 **Q1 (2011:SCI, IF:2.7)**
6. Chiu, A.S.F. and **Tseng, M.L.\*** (2013) Evaluation of New Product Development in the Management Capability of a Firm's Knowledge: A Novel Approach. **Journal of Philippines Institute of Industrial Engineers** 10(1), 1-13 **(Published by PIIE)** (Corresponding Author)

**2012 Referred Journal Papers**

7. **Tseng, M.L.**, Chen, Y.H., Geng, Y., (2012) Integrated model of hot spring service quality perceptions under uncertainty. **Applied Soft Computing** 12(8), 2352–2361 **(2011:SCI, IF:2.6)**
8. **Tseng, M.L.**, Geng, Y., (October, 2012). Evaluating the green supply chain management using life cycle assessment approach in uncertainty. **WSEAS transactions on Environment Development** 8(4), 133-157 **(SCOPUS)**
9. **Tseng, M.L.**, Lin, R.J. & Chiu, A.S.F. (June, 2012) Evaluating green supply chain management with incomplete information. **Industrial Engineering and Management Systems (IEMS)** 11(2), 164-168 **(AUSTRALIA Index System)**
10. **Tseng, M.L.**, Huang, F.H., Chiu, A.S.F. (2012). Performance drivers of green innovation under incomplete information. **Procedia - Social and Behavioral Sciences** 40, 2 234-250
11. **Tseng, M.L.**, Chiu, A.S.F. (2012). Grey-Entropy Analytical Network Process for Green Innovation Practices. **Procedia - Social and Behavioral Sciences** 57, 10-21
12. **Tseng, M.L.**, Lin, S.H. (MBA student), Vy, T.N.T. (MBA student) (2012). Mediate effect of technology innovation capabilities investment capability and firm performance in Vietnam. **Procedia - Social and Behavioral Sciences** 40, 817-829

### 2011 Referred Journal Papers

13. **Tseng, M.L. (2011).** Green supply chain management with linguistic preferences and incomplete information. **Applied Soft Computing** 11(8), 4894-4903 **Q2 NSC-100-2622-H-262-001-CC3 (SCI, IF: 2.05)**
14. **Tseng, M.L. (2011).** Using hybrid MCDM to evaluate the service quality expectation in linguistic preference. **Applied Soft Computing** 11(8), 4551-4562 **Q2 (SCI, IF: 2.05)**
15. **Tseng M.L.** (Jan. 2011) Using a hybrid MCDM method to evaluate firm environmental knowledge management in uncertainty. **Applied Soft Computing** 11(1), 1340~1352, **Q2 NSC -98-2410-H-451-001-(SCI, IF: 2.05)**
16. **Tseng M.L.** (2011) Importance-performance analysis on municipal solid waste management in uncertainty. **Environmental Monitoring and Assessment** 172(1-4), 171-187 **Q2 (SCI, IF:1.43)**
17. **Tseng M.L.,** Lan, L.W., Wang, R., Chiu, A.S.F.; Cheng, H.P. (2011). Using hybrid model to evaluate the green performance in uncertainty. **Environmental Monitoring and Assessment** 175(1), 367-385 **Q2 NSC99-2410-H-262-017-(SCI, IF:1.43)**
18. **Tseng, M.L.,** Wu, W.W. Lee, C.F. (2011) Knowledge Management Strategies in Linguistic Preferences. **Journal of Asia Pacific Business Innovation & Technology Management** 1(2), 60-73 **NSC98-2914-I-451-004-A1**
19. **Tseng, M.L.,** Divinagracia, L., Shi Lei (July, 2011). Achieving green outsourcing performance in uncertainty. **African Journal of Business Management** 5(14), 5946-5959
20. **Tseng, M.L.,** Lin, Y.H. (2011). Modeling a Hierarchical Structure of Municipal Solid Waste Management Using Interpretive Structural Modeling. **WSEAS transactions on Environment & Development** 7(11) , 337-348 **(SCOPUS)**
21. Lin, Y.H.; **Tseng M.L.;** Chen, C.C.; Chiu, A.S.F. (March, 2011). Positioning strategic competitiveness of green business innovation capabilities using hybrid method. **Expert systems with applications** 38(3), 1839-1849 **Q1 (Corresponding Author) (SCI, IF:2.9)**

### 2010 Referred Journal Papers

22. **Tseng M.L.,** Lin, R.J., Chen, H.P. (2010). Evaluating the effectiveness of e-learning system in uncertainty. **Industrial Management & Data System** 111(6), 869-889 **Q2 (SCI, IF:1.5)**
23. Chen, Y.H., **Tseng, M.L.\*,** Lin, R.J., (2010). Evaluating the customer perceptions on in-flight service quality. **African Journal of Business Management** 5(7), 2865-2873 (Corresponding Author)
24. **Tseng M.L.** (August, 2010). Implementation and performance evaluation using fuzzy network balanced scorecard. **Computers & Education** 55(1), 188-201 **Q1 (SSCI, IF:2.19) (99-2914-I-451-001-A1)**
25. **Tseng, M.L.,** Louie Divinagracia, Rochelle Divinagracia (December, 2009). Evaluating firm's sustainable production indicators in uncertainty. **Computer and Industrial Engineering**, 57,1393-1403 **Q2 (SCI, IF:1.05)**
26. Wu, W.W; Lee, Y.T.; **Tseng M.L.;** Chiang, Y.H. (2010). Data mining for exploring hidden patterns between KM and its performance. **Knowledge-Based Systems** 23(5), 397-401**(SCI, IF: 1.4)**
27. **Lin, Y.H.,** Cheng, H.P., **Tseng, M.L.,** Tsai, C.C. (2010). Using QFD and ANP to analyze the environmental production requirements in linguistic preferences. **Expert Systems With Applications** 37(3), 2186-2196 **Q1 (SCI, IF:2.9) (Corresponding Author)**
28. **Cheng, H.P;** Lin, Z.H.; Hsiao, H.F. and **Tseng, M.L.** (2010). Designing an Artificial Immune System-Based Machine Learning Classifier for Medical Diagnosis. **Lecture Notes in**

**Computer Science 6377, 333–341 (EI)**

29. **Tseng, M.L.** (2010). An assessment of cause and effect decision making model for firm environmental knowledge management capacities in uncertainty. **Environmental Monitoring and Assessment** 161, 549-564 **Q2 (SCI, IF:1.3)(副教授審核之代表著作)**
30. **Tseng, M.L.** (2010). Using linguistic preferences and grey relational analysis to evaluate the environmental knowledge management capacities. **Expert systems with applications** 37(1), 70-81 **Q1 (SCI, IF:2.9)**

**2009 Referred Journal Papers**

31. **Tseng, M.L.** and Lin, YH. (2009). Application of Fuzzy DEMATEL to develop a cause and effect model of municipal solid waste management in Metro Manila. **Environmental monitoring and assessment** 158, 519-533 **(SCI, IF:1.03)**
32. **Tseng, M.L.** (September, 2009). Application of ANP and DEMATEL to evaluate the decision-making of municipal solid waste management in Metro Manila. **Environmental monitoring and assessment** 156(1-4), 181-197 **(SCI, IF:1.03)**
33. **Tseng, M.L.**, J.H. Chiang; Lawrence W. Lan (2009). Selection of optimal supplier in supply chain management strategy with analytic network process and choquet integral. **Computer & Industrial Engineering** 57(1) , 330-340 **(SCI, IF:1.05)**
34. **Tseng, M.L.**, Lin, Y.H., and Chiu, A.S.F. (May 2009). FAHP based study of cleaner production implementation in PCB manufacturing firms, Taiwan. **Journal of Cleaner Production** 17(14),1249-1256 **(SCI, IF:1.36)** NSC 96-2218-E-451 -001
35. **Tseng, M.L.** (2009). Using extension of DEMATEL to integrate hotel service quality perceptions into a cause-effect model in uncertainty. **Expert systems with applications** 36(5), 9015-9023 **(SCI, IF:2.59)**
36. **Tseng, M.L.** (2009). A causal and effect decision-making model of service quality expectation using grey-fuzzy DEMATEL approach. **Expert systems with applications** 36(4), 7738-7748 **(SCI, IF:2.59)**
37. Lin, Z.P., Wang R., and **Tseng, M.L.** (2009). Determination of a cause and effect service quality model for leisure farms in Taiwan: an aspect from Beijing tourists. **WSEAS transactions on business and economics** 6(2), 73-86 **(Scopus)** (Corresponding Author)
38. Lin, KM., Chang, C.M., Lin, Z.P., **Tseng, M.L.**, Lan, L.W., (2009). Application of Experiential Marketing Strategy to Identify Factors Affecting Guests' Leisure Behavior in Taiwan Hot-Spring Hotel. **WSEAS transactions on business and economics** (Corresponding Author) 5(12) **(Scopus)** (Corresponding Author)
39. Liao, C.H., and **Tseng, M.L.** (2009). Using interpretive structural modeling and AHP to evaluate the worker productivity criteria in uncertainty. **WSEAS transaction on business and economics** 6(8), 435-445 **(Scopus)** NSC 97-2410-H-233-004

**2008 Referred Journal Papers**

40. **Tseng, M.L.**, Lin, Y.H., Chiu, A.S.F. and Liao, C.H. (Feb. 2008). Using FANP approach on selection of competitive priorities based on cleaner production implementation: a case study in PCB manufacturer, Taiwan. **Clean Technologies and Environmental Policy** 10(1), 17-29 **(SCI, IF:1.016)**
41. **Tseng, M.L.\***, Lin, Y.H., (March, 2008). Selection of competitive advantage in TQM implementation using fuzzy AHP and sensitivity analysis". **Asia Pacific management review**, 13(3) , 583-599 **(TSSCI)**
42. **Tseng, M.L.**; Wu, W.W.; Lin, YH; Liao, CH., (2008). An exploration of relationships between environmental practice and manufacturing performance using the PLS path modeling. **WSEAS transactions on environment and development** 4(6), 487-502

**(Scopus)**

43. **Tseng, M.L.**, Wu, W.W. Lee, Y.T. and Liao, C.H.\*, (2008). An explorative model of customers' service quality perceptions for Leisure Farms in Taiwan. **WASEA transactions on business and economics** 5(12), 507-523 **(Scopus)**
44. Huang, C.H. Lin, Y.H. and **Tseng, M.L.\*** (2008). Application of Cost- Benefit Analysis and Data Envelopment Analysis to Evaluate the Municipal Solid Waste Management Projects in Metro Manila. **WSEAS transactions on business and economics** 5(12), 524-540 **(Scopus)** (Corresponding Author)
45. **Tseng, M.L.\***, Lin, Y.H., ASF Chiu, CY Chen (June, 2008). Fuzzy AHP approach to TQM strategy evaluation. **Industrial Engineering and Management System Journal** 7(1), p.34-43 **(Australia Index)**

**2007 Referred Journal Papers**

46. **Tseng, M.L.**, Lin, Y.H., Chiu, A.S.F., Liao, C.H.\*, (March, 2007). A structural equation model of total quality management and cleaner production implementation. **The Journal of American Academy of Business, Cambridge**, 10(2),55-65 **(ABI/INFORM)**

**2006 Referred Journal Papers**

47. **Tseng, M.L.**, Chiang, J.H., Chiu, A.S.F.\*, (February, 2006). Development of manufacturing strategy: influence of technology orientation and customer orientation- An empirical study, **Material Science Forum** 505-507, 783-789**(SCI IF:0.36)**
48. **Tseng, M.L.**, Chiang, J.H., Hung, R.Y.Y. , Chiu, A.S.F. (September, 2006). The impact of the work design and occupational health and safety on worker productivity under customer focus textile industry in the Philippines. **Psychology & Health** 21 (supplement issue- 1), p155 **(SSCI) IF: 2.126**
49. **Tseng, M.L.\***, Chiu, A.S.F., Lin, Y.H., Chiang, J.H. (August, 2006). The relationship of continuous improvement and cleaner production on operational performance: an empirical study in electronic manufacturing firms, Taiwan. **International Journal of Management Science and Engineering Management (UK)**, 1(1), 71-80

**Selected Conference papers**

**2014 Conference Papers**

1. **M.L. Tseng,\*** Ru-Jen Lin, Ming Lim and Anthony SF Chiu (February 24-28, 2014). **Identifying the competitive determinants of firms' green supply chain capabilities: a study of the electronic manufacturing industry in Taiwan.** The 18th International Working Seminar on Production Economics, Innsbruck, Austria
2. **M.L Tseng.\*** and Y.H. Lin (May 17-19, 2014). **The corporate social responsibility in hotel industry: a novel approach**, 2013 International Conference of Asia Pacific Business Innovation and Technology Management Conference, Phuket, Thailand**(OUTSTANDING PAPER AWARD)**
3. **M.L Tseng.\***, Ru-Jen Lin, Nguyen Vu Huong Nhi, Luong Duy Binh, Tran Trung Hieu, Dinh Thanh Cong. (May 17-19, 2014) **Supply Chain Strategy in Tea industry: Perception of Suppliers**, 2014 International Conference of Asia Pacific Business Innovation and Technology Management Conference, Phuket, Thailand
4. **M.L Tseng.\***, Ru-Jen Lin, Nguyen Hong Thuy Tien, Pham Kim Truong, Huynh Phuong Quy, Vo Duc Phuong Truc. (May 17-19, 2014) **Supply Chain Strategy in Tea industry: Perception of Manufacturers.** , 2014 International Conference of Asia Pacific Business Innovation and Technology Management Conference, Phuket, Thailand

5. **M.L Tseng**.\*, Ru-Jen Lin, Minh Huy, Pham; Quoc Cuong, Dang; Dinh Khiem, Mai. (May 17-19, 2014) **Supply Chain Strategy in Tea industry: Perception of Customers**, 2014 International Conference of Asia Pacific Business Innovation and Technology Management Conference, Phuket, Thailand
6. Ru-Jen Lin, **M.L Tseng**. **Sustainable Development: a performance measure in Taiwan**, 2014 (May 27-30) Technology Innovation and Industrial Management, International Conference, Seoul, South Korea
7. **M.L. Tseng**.\* Anthony SF Chiu and Ming Lim (October, 12-14, 2014) **Sustainable supply chain management in competitiveness environment**. Asia pacific Business Innovation and Technology Management Conference, Jeju, Korea

#### 2013 Conference Papers

8. **M.L. Tseng**.\* A. S.F. Chiu , Kai Chen, Kung Sung Chiu (Dec. 03/ 2013). **Implementation and performance evaluation of firm's green supply chain management in uncertainty**. Proceeding of 12th Asia Pacific Industrial Engineering and Management System (APIEMS), **Cebu, Philippines**
9. **M.L Tseng**.\*, YH Lin, K.H. Tan (August 11-13, 2013). **Evaluating green supply chain capabilities in gain and loss functions**, 2013 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Cebu, Philippines**
10. K.H. Tan, L. Shi, **M.L Tseng**.\* A. S.F. Chiu (July 01-03, 2013). **Unpacking the Unintended Effects of Sustainable Development Regulation and Performance Measurement**. European Business Innovation & Technology Management, Derby, UK
11. C.M. Su, **M.L. Tseng**.\* F.H. Huang, A.SF Chiu (May 17-19, 2013). **Evaluating the close loop hierarchical model in green supply chain management under uncertainty**. IEEE Explore Business Innovation & Technology Management. Beijing
12. F.H. Huang, **M.L. Tseng**.\* C.M.Su, A.SF Chiu (May 17-19, 2013). **Evaluating hotel performance using fuzzy network balance scorecard**. IEEE Explore Business Innovation & Technology Management. Beijing
13. **M.L. Tseng** and R.J. Lin. (Jan. 20-22, 2013). **Evaluating the service innovation in hotel industry using fuzzy TODIM**. 2013 International Conference on Business Innovation and Technology Management Conference. **Taipei, Taiwan**

#### 2012 Conference Papers

14. **M.L. Tseng**, F.H. Huang, A.S.F. Chiu (January 13-15, 2012) **Performance drivers of green innovation under incomplete information**. 2012 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Pattaya, Thailand**. NSC 101-2914-I-262-001-A1
15. **M.L. Tseng**, I. Zhang(MBA), S.H. Lin(MBA), (January 13-15, 2012) **Mediate effect of technology innovation capabilities investment capability and firm performance in Vietnam** . 2012 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Pattaya, Thailand (OUTSTANDING PAPER AWARD)**
16. K.J. Wu(MBA), **M.L, Tseng**, ASF. Chiu, (July, 01~03, 2012) **Optimal Strategic Selection Practices in Philippines**. 2012 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Genting, Malaysia**
17. **M.L., Tseng** (July, 01~03, 2012) **Grey-entropy analytical network process for green innovation practices**. 2012 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Genting, Malaysia(OUTSTANDING PAPER AWARD)**
18. **M.L., Tseng** (Oct. 07~10, 2012) **Using TODIM to evaluate green supply chain practices**

**under uncertainty.** 2012 International Roundtable Conference of Asia Pacific Business Innovation and Technology Management Conference, **Manila, Philippines (OUTSTANDING PAPER AWARD)**

19. **M.L., Tseng K. Tan, ASF Chiu (December 02-05, 2012) Exploring decisive factors affecting eco-innovation under uncertainty.** Proceeding of 12th Asia Pacific Industrial Engineering and Management System (APIEMS), **Phuket , Thailand**

#### **2011 Conference Papers**

20. **M.L. Tseng, N.F.S. Lin (MBA), Ru-Jen Lin (January, 2011). Construct and evaluate a hierarchical structure of municipal solid waste management.** 2011International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Bali, Indonesia** (January 24~26, 2011) (ISSN : 2094-506X) **(OUTSTANDING PAPER AWARD)** 龍華科技大學 **100-2914-I-262-001-A1**
21. **M.L. Tseng, J.J.C. Wu(MBA), T.L. Ju (January, 2011). Achieving green outsourcing performance using fuzzy network QFD.** 2011 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Bali, Indonesia** (January 24~26, 2011) (ISSN : 2094-506X) **(OUTSTANDING PAPER AWARD)**龍華科技大學
22. Y.H. Lin; Yi-Li Cheng; **M.L. Tseng** (January, 2011). **Evaluating the effectiveness of e-learning system in uncertainty.** 2011 International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Bali, Indonesia** (January 24~26, 2011) (ISSN : 2094-506X) 龍華科技大學
23. **M.L. Tseng** (April 8-9 2011). **Evaluating green supply chain management with incomplete information.** International conference on the contribution of social science and humanities to the social economic development. Vietnam National University, Ha Noi - VNU 龍華科技大學
24. **M.L. Tseng** (2011). **Evaluation of firm's green supply chain management in grey-fuzzy system: a novel approach.** Technology Innovation and Industrial Management (TIIM) June 28-30, 2011 Oulu, Finland 龍華科技大學
25. Y.H. Chen and **M.L. Tseng** (July, 2011). **Modeling the hierarchical structure of reverse logistic using driving and dependence power analysis.** 2011 IEEE International Conference of Asia Pacific Business Innovation and Technology Management Conference, Dalian China 龍華科技大學 **(EI), 188-192 (OUTSTANDING PAPER AWARD)**
26. K.J.Wu (MBA), Chiu, Anthony S.F. **M.L. Tseng (July, 10-12 2011) Supply chain management strategy practices in Taiwan .** 2011 IEEE International Conference of Asia Pacific Business Innovation and Technology Management Conference, Dalian China 龍華科技大學 **(EI), 215-220**
27. C.H. Liao **M.L. Tseng (July 2011)A study on corporate social responsibility application in environment .** 2011 IEEE International Conference of Asia Pacific Business Innovation and Technology Management Conference, Dalian China 龍華科技大學 **(EI), 313-318**
28. **M.L. Tseng, H.P. Chen and R.J. Lin (July, 2011). Hierarchical model of corporate social responsibility in environment.** 2011 IEEE International Conference of Asia Pacific Business Innovation and Technology Management Conference, Dalian China 龍華科技大學 **(EI), 341-345**
29. **M.L. Tseng, K.J. Wu (MBA) and T.T. Nguyen(MBA) (October 02-04, 2011). Information technology in supply chain management: a case study.** (Elsevier) 2011 International Conference on Asia Pacific Business Innovation & Technology Management, Lausanne, Switzerland. Procedia of Social science & behavior **(OUTSTANDING PAPER AWARD)**



龍華科技大學

30. **M.L. Tseng**, A.S.F. Chiu and M.P. Nguyen Vo(MBA) (October 02-04, 2011). **Evaluating the tourist's demand to develop Vietnamese tourism performance** (Elsevier) 2011 International Conference on Asia Pacific Business Innovation & Technology Management, Lausanne, Switzerland. Procedia social and behavioral sciences **(OUTSTANDING PAPER AWARD)** 龍華科技大學
31. **M.L. Tseng**, A.S.F. Chiu (October 14-17, 2011). **Evaluating Green Supply Chain Management with Incomplete Information**. Proceeding of 12th Asia Pacific Industrial Engineering and Management System (APIEMS), Beijing, China 龍華科技大學
32. **M.L. Tseng**, A.S.F. Chiu (November 09-11, 2011). **Implementation and performance evaluation of firm's green supply chain management in uncertainty**. Proceeding of 10th Asia Pacific Roundtable of Sustainable Production & Consumption (APRSCP), Yogyakarta, Indonesia 龍華科技大學。
33. K.J., Wu (MBA), **M.L. Tseng** , **T. Vy**(July, 10-12 2011) **Evaluating the drivers of green supply chain management practices in uncertainty** 2011 International Conference on Asia Pacific Business Innovation & Technology Management, Lausanne, Switzerland. Procedia social and behavioral sciences 25, 384-397

#### 2010 Conference Papers

34. C.C. Chen; **M.L. Tseng**; Y.H Lin; Z.S. Lin, (December, 2010) Implementation of green supply chain management in uncertainty. The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), **Macau, China** (December, 07-10, 2010) (IEEEExplore) **(EI)** 龍華科技大學
35. **M.L. Tseng** and A.S.F. Chiu. Importance municipal solid waste management aspects and criteria in uncertainty using hybrid method. International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Cebu, Philippines** (January 24~26, 2010) **(NSC-99-2914-I-451-001-A1)**
36. C.F. Lee; **M.L. Tseng**, Performance evaluation: implementing network balanced scorecard in uncertainty. International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Cebu, Philippines** (January 24~26, 2010)
37. **M.L. Tseng** & W.T. Hsu(MBA) Evaluation of New Product Development in the Management Capability of a Firm's Knowledge: A Novel Approach. International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Cebu, Philippines** (January 24~26, 2010)
38. **M.L. Tseng**. Using fuzzy grey possible degree to evaluate the green supply chain management. International Conference of Asia Pacific Business Innovation and Technology Management Conference, **Beijing, China** (July 25~27, 2010)
39. **M.L. Tseng** and ASF Chiu. Network importance-performance analysis on municipal solid waste management in uncertainty. 9th APRSCP, **Sri-Lanka** (June 10~12, 2010)
40. **M.L. Tseng**. Evaluating firm's green supply chain management in uncertainty. 2010 Research Symposium on Green Production (July 06, 2010, **Manila**)
41. S.L. Lin (MBA). Evaluating firm's green supply chain management in linguistic preferences. international Conference of Asia Pacific Business Innovation and Technology Management Conference, **Beijing, China** (January 24~26, 2010) **(Funded NT20,000)** (ISSN : 2094-506X)
42. **M.L. Tseng** & ASF. Chiu Modeling a hierarchical structure of municipal solid waste management using ISM. international Conference of Asia Pacific Business Innovation and Technology Management Conference, **Beijing, China** (January 24~26, 2010) (ISSN : 2094-506X)

43. CH. Liao & **M.L. Tseng** The relationship between environmental technology and quality control techniques on organizational performance, international Conference of Asia Pacific Business Innovation and Technology Management Conference, **Beijing, China** (January 24~26, 2010) (ISSN : 2094-506X)

#### **2009 Conference Papers**

44. **M.L. Tseng**, C.H. Liao, Remen C.W. Lin, Bob N.S. Yang (July 06-08, 2009). Using ANP to approach knowledge management strategy in linguistic preferences. BAI 2009 International Conference on Business and Information, Kuala Lumpur, Malaysia (**NSC-98-2914-I-451-004-A1**)
45. **M.L. Tseng** and ASF Chiu (August 02-06, 2009). Using QFD and ANP to analyze the environmental production requirements in linguistic preferences. 21st International Conference on Production Research, Shanghai, China
46. C.C. Chen; **M.L. Tseng**; W.T. Hsu (July 28-August 05, 2009). A promising method of knowledge acquisition using a combination of Bayesian network and Rough set theory. The 3<sup>RD</sup> International Conference of Operations and Supply Chain Management, Wuhan, China (**Funded NSC-98-2922-I-451-002**)
47. C.C. Chen; **M.L. Tseng**; Z.S. Lin (2009) , "Determination of leisure farm service quality perceptions into a cause-effect model in Taiwan" ,Athens Institute For Education And Research 5th International Conference on Tourism, Athens, Greece
48. **M.L. Tseng** (Dec. 14-16 2009). An assessment of firm environmental knowledge management capacities in uncertainty using hybrid MCDM method. Proceeding of 10th Asia Pacific Industrial Engineering and Management Society Conference (APIEMS) , Japan (**NSC-98-2410-H-451-001-**)
49. **M.L. Tseng** and C.H. Liao (Dec. 14-16 2009). A grey - triangular fuzzy numbers based decision making for supplier evaluation in supply chain management. Proceeding of 10th Asia Pacific Industrial Engineering and Management Society Conference, Japan (**NSC-98-2410-H-233-002-**)

#### **2008 Conference Papers**

50. C.C. Chen, **M.L. Tseng**, Y.H., Lin (December 8-11, 2008). Using Fuzzy DEMATEL to Develop a Causal and Effect Model of Hot Spring Service Quality Expectation. Proceeding of Industrial Engineering and Engineering Management, Singapore, IEEEExplore (**EI**)
51. **M.L. Tseng** and Anthony SF Chiu (2008). A grey- fuzzy approach to the customer perception of in-flight service , Proceeding of 9th Asia Pacific Industrial Engineering and Management Society Conference, Bali, Indonesia
52. **M.L. Tseng**; CH Liao\* and YH Lin (August 7-9, 2008). Hybrid MCDM analysis of flexibility manufacturing competence and managerial performance: a case study. 14th ISSAT Conference, Orlando, Florida, USA (**SCI**)
53. **M.L. Tseng**; CH\*. Huang; YH Lin; ASF Chiu. (July 17~19, 2008). Application of Cost-Benefit Analysis and Data Envelopment Analysis to Evaluate the Municipal Solid Waste Management Projects in Metro Manila. Asia-Pacific Productivity Conference (APPC) 2008, The institute of economics academia SINICA, Taiwan
54. ASF Chiu 、XM Bai 、**M.L. Tseng** \* 、Y.H. Lin. (September 21-23, 2008). Application of ANP and DEMATEL to evaluate the decision-making of municipal solid waste management in Metro Manila. 14th Annual International Sustainable Development Research Conference September 21-23, 2008, India Habitat Center New Delhi, India (Corresponding author)

55. **M.L. Tseng** ;CH Liao\* (2008) , A case study of flexibility manufacturing competence and managerial performance using MCDM analysis" ,9th International conference on cross strait economy and trade management, 新竹

### 2007 Conference Papers

56. **M.L. Tseng\***, Lin, Y.H., Chiang, J.H., Guo, J.H. (December, 2007). Environmental practices for manufacturing performance: FANP approaches, Proceeding of Industrial Engineering and Engineering Management, Singapore, IEEEExplore (**EI**)
57. C.H. Liao, **M.L. Tseng\***, Y.H., Lin and P.L. Ho, (December, 2007). The synergetic impact of manufacturing strategy development on operations based non-financial performance, Proceeding of Industrial Engineering and Engineering Management, Singapore, IEEEExplore (**EI**) (Corresponding Author) Session Chair
58. Y. L. Cheng, **M.L\*.Tseng**, Y.H. , Lin and A.S.F. Chiu (December, 2007). Evaluation of worker productivity improvement using ISM and FAHP. Proceeding of Industrial Engineering and Engineering Management, Singapore, IEEEExplore (**EI**) (Corresponding Author) Session Chair
59. Lin, Y. H., , **M.L. \*Tseng**, Chiang, J.H. and Chen, Y.M. (December, 2007). Prioritization of competitive priority in cleaner production implementation, Proceeding of Industrial Engineering and Engineering Management, Singapore, IEEEExplore (**EI**) (Corresponding Author) Session Chair
60. **M.L. Tseng**, Y.H. Lin, A.S.F. Chiu (December 2007). A strategic decision framework for eco-efficient system design: fuzzy analytical network approaches, Proceeding of 8th Asia Pacific Industrial Engineering and Management Society Conference, Kaohsiung, Taiwan. (Oral Presented and Session Chair)
61. Y.H. Lin and **M.L. Tseng** and Y.M. Chen (December, 2007). Prioritization of competitive advantage in TQM implementation using fuzzy AHP, Proceeding of 8th Asia Pacific Industrial Engineering and Management Society Conference, Kaohsiung, Taiwan. (Oral Presentation) Session Chair
62. **M.L. Tseng**, Y.H. Lin and A.S.F. Chiu (March 18-19, 2007). Using fuzzy analytical network process approach on selection of competitive priorities based on cleaner production implementation. Proceeding of 3rd Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment and Management (HNICEM) International Conference, Philippines Chapter (Oral Presentation)
63. Y.H. Lin and **M.L. Tseng** (June 02, 2007). Fuzzy analytic network process approaches on selection of managerial performance: a case study of PCB manufacturing firm, Taiwan. Proceeding of the 2007 International Conference in Management Sciences and Decision Making, TamKang University, Taiwan (Oral Presentation)

### 2006 Conference Papers

64. Y.H. Lin and **M.L. Tseng\*** (December 17-20, 2006). Toward sustainable production organization via total quality management and cleaner production principles on financial performance: A study of electronic manufacturing firms, Taiwan. Proceeding of 7th Asia Pacific Industrial Engineering and Management Society Conference, Bangkok, Thailand, December 17th-20<sup>th</sup> (Paper ID 15) (Oral Presentation and Session Chair)
65. **M.L. Tseng\***, J.H. Chiang and A.S.F. Chiu (December 17-20, 2006). The relationship of continuous improvement and cleaner production on operational performance: an empirical study in electronic manufacturing firms, Taiwan. Proceeding of 7th Asia Pacific Industrial Engineering and Management Society Conference, Bangkok, Thailand,

- December 17th-20<sup>th</sup> (**NSC-95-2919-I-224-001-A1**) (Oral Presentation and Session Chair)
66. **M.L. Tseng\***; J.H. Chiang, R.Y.Y. Hung, and A.S.F. Chiu (September, 2006). The impact of the work design and occupational health and safety on worker productivity under customer focus textile industry in the Philippines. Proceeding of the 20<sup>th</sup> European Health Psychology Society (EHPS) Conference 2006, Warsaw University ,Poland
  67. **M.L. Tseng** and Y.H. Lin\* (November 11, 2006). The synergetic impact on manufacturing strategy development on the operations based non-financial performance. Proceeding of Society of Manufacturing Engineers 2006 (SME 2006) in National Kaohsiung University of Applied Science (Paper ID A6-000003)