

五、論文著述：

- (一) 請詳列個人最近五年內發表之學術性著作，包括：期刊論文、專書及專書論文、研討會論文、技術報告及其他等，並請依各類著作之重要性自行排列先後順序。
- (二) 各類著作請按發表時間先後順序填寫。各項著作請依作者姓名（按原出版之次序）、出版年、月份、題目、期刊名稱（專書出版社）、起迄頁數之順序填寫，被接受刊登尚未正式出版者請附被接受函。
- (三) 若期刊屬於 SCI、EI、SSCI 或 A&HCI 等時，請註明；若著作係經由國科會補助之研究計畫所產生，請於最後填入相關之國科會計畫編號。

A. 期刊論文

- [A1] Fu-Kwun Wang, Yeneneh Tamirat, Shih-Che Lo and Muhammad Aslam, "Dependent Mixed and Mixed Repetitive Sampling Plans for Linear Profiles," *Quality and Reliability Engineering International*, Vol. 33, Issue 8, pp. 1669-1683, 2017. [SCI] [Impact Factor = 1.718, Rank Factor M/N = 28/44 @2016, Engineering Industrial; Rank Factor M/N = 34/85 @2016, Engineering Multidisciplinary; Rank Factor M/N = 44/83 @2016, Operations Research & Management Science]
- [A2] Shih-Che Lo and Fransiskus Verdian Sudjatkma, "Solving multi-criteria supplier segmentation based on the modified FAHP for supply chain management - A case study," *Soft Computing*, Vol. 20, Issue 12, pp. 4981-4990, 2016. [SCI] (MOST103-2410-H-011-022) [Impact Factor = 2.472, Rank Factor M/N = 46/133 @2016, Artificial Intelligence, Computer Science; Rank Factor M/N = 33/105 @2016, Interdisciplinary Applications, Computer Science]
- [A3] Fu-Kwun Wang and Shih-Che Lo, "Single Mixed Sampling Plan Based on Yield Index for Linear Profiles," *Quality and Reliability Engineering International*, Vol. 32, Issue 4, pp. 1535-1543, June 2016. [SCI] [Impact Factor = 1.718, Rank Factor M/N = 28/44 @2016, Engineering Industrial; Rank Factor M/N = 34/85 @2016, Engineering Multidisciplinary; Rank Factor M/N = 44/83 @2016, Operations Research & Management Science]
- [A4] Hung-Hsu Tsai, Yen-Shou Lai, Shih-Che Lo, Pao-Ta Yu, "Perceived Effectiveness of Using the Life-like Multimedia Materials Tool," *Educational Technology & Society*, Vol. 18, Issue 3, pp. 89-99, 2015. [SSCI] [Impact Factor = 0.824, Rank Factor M/N = 94/219 @2013, Education & Educational Research]
- [A5] Hung-Hsu Tsai and Shih-Che Lo, "JND-based Watermark Embedding and GA-based Watermark Extraction with Fuzzy Inference System for Image Verification," *Informatica*, Vol. 25, No. 1, pp. 113-137, 2014. [SCI, EI] [Impact Factor = 0.901, Rank Factor M/N = 98/257 @2013, Applied Mathematics]
- [A6] Hung-Hsu Tsai, Yen-Shou Lai, and Shih-Che Lo, "A Zero-watermark Scheme with Geometrical Invariants using SVM and PSO against Geometrical Attacks for Image Protection," *Journal of Systems and Software*, Volume 86, pp. 335-348, 2013. [SCI, EI] [Impact Factor = 1.135, Rank Factor M/N = 30/100 @2012, Theory & Methods, Computer Science; Rank Factor M/N = 41/105 @2012, Software Engineering,

Computer Science]

- [A7] Shih-Che Lo and Wei-Jea Chang, "Design of Real-time Fuzzy Bus Holding System for the Mass Rapid Transit Transfer System," *Expert Systems With Applications*, Volume 39, Issue 2, pp. 1718–1725, February 2012. [SCI, EI] (NSC98-2410-H-011-025) [Impact Factor = 1.854, Rank Factor M/N = 13/79 @2012, Operations Research & Management Science; Rank Factor M/N = 56/243 @2012, Electrical & Electronic, Engineering; Rank Factor M/N = 31/115 @2012, Artificial Intelligence, Computer Science]
- [A8] Shih-Che Lo and Randolph W. Hall, "The Design of Real-time Logistics Information System for Trucking Industry," *Computers & Operations Research*, Volume 35, Issue 11, pp. 3439–3451, November 2008. [SCI, EI] (Impact Factor = 2.116, Rank Factor M/N = 2/37 @2009, Industrial Engineering)
- [A9] Shih-Che Lo and Randolph W. Hall, "Effects of the Los Angeles transit strike on highway congestion," *Transportation Research Part A: Policy and Practice*, Vol. 40, Issue 10, pp. 903–917, December 2006. [SSCI, SCI, EI] (Impact Factor = 1.634, Rank Factor M/N = 2/22 @2006, Transportation Science & Technology)
- [A10] 游寶達、羅士哲, "電子商務的網路建設," 資訊與教育, 1999。

B. 專書及專書論文

- [B1] Shih-Che Lo, Doctorial Dissertation: *Integrated Model for Highway-based Travel Time Forecasting with Application to Truck Transportation*, University of Southern California, 2004.
- [B2] 羅士哲, 碩士論文, 秩序式類神經網路濾波器與 JAVA 程式設計, 國立中正大學, 1997。

C. 研討會論文

- [C1] Sheng-Siang Kao and Shih-Che Lo, "Production Quality Prediction in Smart Manufacturing based on the Big Data Predictive Analytics with AI," the Manufacturing and Service Operations Management 2019 Conference, Singapore, Singapore, 2019.
- [C2] Shih-Che Lo, "Design of a Real-time Intelligent Healthcare Dispatching System based on the Big Data Predictive Analytics," the Manufacturing and Service Operations Management 2019 Conference, Singapore, Singapore, 2019.
- [C3] Shih-Che Lo, Tzung-Shian Li, "Using Big Data Analytics for Money Laundering Detection - A Case Study" Proceedings of the Asia Pacific Industrial Engineering & Management Systems Conference 2016, Taipei, Taiwan, 2016.
- [C4] Hung-Hsu Tsai, Cheng-Yu Tsai, Pao-Ta Yu, Shih-Che Lo, "A Flipped-Classroom Instructional Design Using the Ebook Software with the Dual-Coding Display for Learning Mathematics," the Sixth Annual Asian Conference on the Social Sciences, Kobe, Japan, 2015.

- [C5] Jung-Wei Chang, Xin-Yi Jiang, Xiu-Ru Chen, Chia-Chen Lin, Shih-Che Lo, “Service Quality for the YouBike System in Taipei,” the 2013 IIE Asian Conference, Taipei, Taiwan.
- [C6] Chia-Chen Lin, Xiu-Ru Chen, Jung-Wei Chang, Xin-Yi Jiang, Shih-Che Lo, “Replenishment Strategies for the YouBike System in Taipei,” the 2013 IIE Asian Conference, Taipei, Taiwan.
- [C7] 王朝慶, 羅士哲, “兩階段禁忌搜尋法求解物流管理中具接駁式轉運之車輛運途問題,” 2011 第七屆台灣作業研究學會年會暨學術研討會, (OR2011), 台北市, 台灣, 2011. (研討會最佳論文獎)
- [C8] 黃峻威, 羅士哲, “具月台限制之模糊公車停等系統設計,” 2011 第七屆台灣作業研究學會年會暨學術研討會, (OR2011), 台北市, 台灣, 2011.
- [C9] 賴諺霆, 羅士哲, “結合 RFID 技術的數位學習系統設計,” 2011 商管與資訊研討會, 新北市, 台灣, 2011.
- [C10] Yi-Cheng Chang and Shih-Che Lo, “Flower Replenishment Logistics for Flora Exposition,” the 6th International Congress on Logistics and SCM Systems (ICLS 2011), Kaohsiung, Taiwan.
- [C11] Chia-Hsiang Yeh, Chia-Hao Chung, Shih-Che Lo, and Chiang-Sheng Lee, “Design of Cloud Inventory Management System Based on RFID Technology - A Case Study on Taipei Flora Exposition,” the 7th International Conference on Intelligent Manufacturing & Logistics Systems (IML 2011), Chungli, Taiwan.
- [C12] Shih-Che Lo and Ching-Yu Wang, “A PSO approach for the Vehicle Routing Problem with Cross-docking in Logistics Management,” the 2010 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'10), Las Vegas, Nevada, USA.
- [C13] Shih-Che Lo, Wei-Jie Chang, Peng-Cheng Kuo and Chun-Yun Kuo, “The Simulation of MRT Transfer System Based on Bus Holding Strategies with platform constraints,” *Proceedings of the 2009 IEEE International Conference on Systems, Man, and Cybernetics*, Volume 1, pp. 137–142, October 2009. [EI] (NSC97-2410-H-011-017)
- [C14] Shih-Che Lo and Bei-Ming Li, “The Design of a Quality Control System of PCB with SMT based on RFID and AOI,” *Proceedings of the 2008 Eighth International Conference on Intelligent Systems Design and Applications*, Vol. 1, pp. 649–653, November 2008. [EI]
- [C15] 林祐亘, 羅士哲, “應用基因演算法於考量運輸成本情況下之共同補貨週期研究,” 第五屆流通與全球運籌論文研討會論文集, 台中, 台灣, 2008.
- [C16] 林冠廷, 羅士哲, “多點 TFT-LCD 模組廠之智慧型物料規劃系統設計,” 第十九屆物件導向技術及應用研討會, 雲林, 台灣, 2008.
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- [C19] Jih-Chun Lee, Guan-Ting Lin and Shih-Che Lo, "A Hybrid Model for Single Machine Scheduling Problem Based on Fuzzy Theory and Genetic Algorithm," the 8th Asia Pacific Industrial Engineering & Management System (APIEM) and 2007 Chinese Institute of Industrial Engineers (CIIE) Conference, Kaohsiung, Taiwan, 2007.
- [C20] 郭俊昀, 郭蓬政, 羅士哲, "大眾運輸轉乘系統之電子化公車停等策略," 第四屆流通與全球運籌論文研討會論文集, 台中, 台灣, 2006.
- [C21] Shih-Che Lo, "An Application of FCA to Vendor Selection Decisions," the 36th International Conference on Computers and Industrial Engineering, Taipei, Taiwan, 2006.
- [C22] 羅士哲, "快捷服務－預測式貨運行車時間估計," 第三屆流通與全球運籌論文研討會論文集, 台中, 台灣, 2005.
- [C23] S.-C. Lo, and R. W. Hall, "The Impact of the Los Angeles Transit Strike on Highway Transportation," INFORMS 2004 Annual Meeting, Denver, CO, USA.
- [C24] R. W. Hall, and S.-C. Lo, "Real-Time Web-Based System for Ground-to-Air Scheduling," Transportation Research Board 2004 Annual Meeting, Washington D. C., USA.
- [C25] H.-H. Tsai, S.-C. Lo, and P.-T. Yu, "Rank Order Neural Network Filters for Image Restoration," the 1997 IEEE Workshop on Nonlinear Signal and Image Processing, Michigan, USA.

D. 技術報告

- [D1] R. W. Hall, and S.-C. Lo, 2002, "Truck Scheduling for Ground to Air Connectivity," PATH research project final report.