

## 鄭辰仰 兼任教授 Adjunct Prof. Cheng, Chen-Yang

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### 學歷 ( Education )

美國賓州州立大學工業工程博士, 2008  
Ph.D. Industrial Engineering, The Pennsylvania State University, University Park, PA, USA, 2008  
東海大學工業工程碩士, 2000  
M.S., Industrial Engineering, Tunghai University, Taichung, Taiwan, 2000  
東海大學工業工程學士, 1998  
B.S., Industrial Engineering, Tunghai University, Taichung, Taiwan, 1998

### 最初受聘於管院的日期 ( Date of First Appointment )

Feb., 2020

### Normal Professional Responsibilities

MT

### 經歷 ( Work Experience )

#### Academic Experience

國立臺北科技大學管理學院副院長, 2017 年迄今  
Associate Dean, College of Management, National Taipei University of Technology, 2017 to present  
國立臺北科技大學工業工程與管理系教授, 2017 年迄今  
Professor, Department of Industrial Engineering and Management, National Taipei University of Technology, 2017 to present  
國立臺北科技大學工業工程與管理系副教授, 2014 年~2017 年  
Associate Professor, Department of Industrial Engineering and Management, National Taipei University of Technology, 2014 to 2017  
東海大學產學與創新育成中心主任, 2012 年~2013 年  
Director, Industry Collaboration and Incubation Center, Tunghai University, 2012 to 2013  
東海大學工業工程與經營資訊學系副教授, 2012 年~2014 年  
Associate Professor, Department of Industrial Engineering and Enterprise Information, Tunghai University, 2012 to 2014  
東海大學工業工程與經營資訊學系助理教授, 2009 年~2012 年  
Assistant Professor, Department of Industrial Engineering and Enterprise Information, Tunghai University, 2009 to 2012

### 研究領域 ( Research Interests )

電腦整合製造  
Computer-Integrated Manufacturing  
生產排程系統  
Production Scheduling System  
行動計算  
Mobile Computing

### 授課 ( Teaching )

商業數據分析 Big Data Analytics for Business Intelligence

### 學術期刊著作 ( Publications )

#### (A) 期刊論文 ( Peer Reviewed Journal Articles )

1. Kuo-Liang Chiang, Fang-Chuan Kuo, Chen-Yang Cheng, Kai-Ping Chang (2019, Jan). Prevalence and demographic characteristics of comorbid epilepsy in children and adolescents with cerebral palsy: a nationwide population-based study. Child's Nervous System, 2018, 1-8. (SCI).

2. Chen-Yang Cheng (2018, Nov). A novel approach of information visualization for machine operation states in industrial 4.0. *Computers & Industrial Engineering*, Volume 125, pp. 563-573. (SCI).
3. Gen-Han Wu, Chen-Yang Cheng, Hong-In Yang, Chung-Te Chen (2018, Oct). An improved water flow-like algorithm for order acceptance and scheduling with identical parallel machines. *Applied Soft Computing*, 71, 1072-1084. (SCI, 21/133, COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
4. Shu-Kai S. Fan, Chuan-Jun Su, Han-Tang Nien, Pei-Fang Tsai, Chen-Yang Cheng (2018, Sep). Using machine learning and big data approaches to predict travel time based on historical and real-time data from Taiwan electronic toll collection. *Soft Computing*, 22(17), pp. 5707–5718. (SCIE, 46/133, Computer Science Artificial Intelligence).
5. Tzu-Li Chen, Chen-Yang Cheng, Yi-Han Chou (2018, Jul). Multi-objective genetic algorithm for energy-efficient hybrid flow shop scheduling with lot streaming. *Annals of Operations Research*, 2018, pp. 1-24. (SCI).
6. Yin-Yann Chen\*, Chen-Yang Cheng, Jia-Ying Li (2018, Jul). Resource constrained assembly line balancing problems with multi-manned workstations. *Journal of Manufacturing Systems*, 48, 107-119. (SCI).
7. Suriyaphong Nilsang, Chumpol Yuangyai, Chen-Yang Cheng, Udom Janjarassuk (2018, Jun). Locating an ambulance base by using social media: a case study in Bangkok. *Annals of Operations Research*. (SCI).
8. Suriyaphong Nilsang, Chumpol Yuangyai, Chen-Yang Cheng, Udom Janjarassuk (2018, Jun). Determining of ambulance base using Social media: a case study in Bangkok. *Annals of Operations Research*, 1-20. (Accepted). (SCI).
9. Ranon Jientrakul, Chumpol Yuangyai, Chen-Yang Cheng, Pholchai Chotiprayanakul, Sunpasit Limnararat (2018, May). Investigating Multiple Human Performance Measures in Teleoperation Task: A Translation Task in a Tele-Sandblasting Maintenance System. *Human Factors and Ergonomics in Manufacturing & Service Industries*, 28(3), 104-116. (SCI, 41/44, ENGINEERING, MANUFACTURING).
10. Chen-Yang Cheng, Kuo-Ching Ying, Hsia-Hsiang Chen & Hsiao-Shan Lu (2018, Apr). Minimising makespan in distributed mixed no-idle flowshops. *International Journal of Production Research*, 2018, pp. 1-13. (SCI).
11. Chen-Yang Cheng, Kuo-Ching Ying, Hsia-Hsiang Chen, Jia-Xian Lin (2018, Mar). Optimization algorithms for proportionate flowshop scheduling problems with variable maintenance activities. *Computers & Industrial Engineering*, 117, pp. 164-170. (SCI).
12. José Chiu-C Chen, Chen-Yang Cheng\* (2018). Solving social loafing phenomenon through lean-Kanban: A case study in non-profit organization. *Journal of Organizational Change Management*, 31(5), pp. 984-1000. (SSCI, 164/194, MANAGEMENT).
13. Chen-Yang Cheng, Iuon-Chang Lin\*, Hao-Ju Wu (2017, Nov). Recommendation System to Identify Collusive Users in Online Auctions Using the Pollution Diffusion Method. *Journal of Internet Technology*. (Accepted). (SCI, 69/146, COMPUTER SCIENCE, INFORMATION SYSTEMS).
14. Chen-Yang Cheng\*, Shu-Fen Li, and Yu-Cheng Lin (2017, Nov). Self-adaptive parameters in differential evolution based on fitness performance with a perturbation strategy. *Soft Computing*, (2017)1-16. (SCI, 46/133, COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
15. Yi-Wen Chen, Cheng-Ting Shih, Chen-Yang Cheng\*, Yu-Cheng Lin (2017, Sep). The Development of Skull Prosthesis Through Active Contour Model. *Journal of Medical Systems*, 41(10), 164. (SCI, 10/24, MEDICAL INFORMATICS).
16. Kuo-Ching Ying, Shih-Wei Lin, Chen-Yang Cheng, Cheng-Ding He (2017, Jun). Iterated reference greedy algorithm for solving distributed no-idle permutation flowshop scheduling problems. *Computers & Industrial Engineering*. (Accepted). (SCIE, 9/44, ENGINEERING INDUSTRIAL).
17. Shu-Fen Li, Chen-Yang Cheng (2017, Jun). Particle Swarm Optimization with Fitness Adjustment Parameters. *Computers & Industrial Engineering*. (SCIE, 9/44, ENGINEERING INDUSTRIAL).
18. Ja-Hao Chen\*, Chun-Kai Yang, Chen-Yang Cheng, Cheng-Chi Yu, Cheng-Hsing Hsu (2017, Mar). Gain enhancement of a compact 2.4-GHz meander antenna using inductive feed and capacitive load. *Microwave and Optical Technology Letters*, 2598-2604. (SCI, 216/262, ENGINEERING, ELECTRICAL & ELECTRONIC).
19. Chen-Yang Cheng, Lu-Wei Huang (2017, Jan). Minimizing Total Earliness and Tardiness through Unrelated Parallel Machine Scheduling Using Distributed Release Time Control. *Journal of Manufacturing Systems*, 42, pp. 1-10. (SCI).
20. Tsung-Yin Ou, Chen-Yang Cheng, Po-Jung Chen, Chayun Perng (2016, Nov). Dynamic cost forecasting model based on extreme learning machine - A case study in steel plant. *Computers & Industrial Engineering*, 101 (2016): 544-553.. (SCI).
21. Chen-Yang Cheng; Kuo-Liang Chiang; Meng-Yin Chen (2016, Aug). Intermittent Demand Forecasting in a Tertiary Pediatric Intensive Care Unit. *Journal of Medical Systems*, 40(10), 1-12. (SCI).
22. Piraya Kaewsuan, Chumpol Yuangyai, Chen-Yang Cheng and Udom Janjarassuk (2016, Jun). Image Analysis and High Dimensional Control Chart for Inspection of Sausage Color Homogeneity and Uniformity. *International Journal of Food Engineering*. (SCI, 94/124).
23. Chun-Cheng Lin, Jia-Rong Kang, Chung-Chih Hou, Chen-Yang Cheng (2016, Mar). Joint Order Batching and Picker Manhattan Routing Problem. *Computers & Industrial Engineering*, 95 (2016), 164-174. (SCI, 9/44).

24. Iuon-Chang Lin, Chen-Yang Cheng (2016, Mar). Case study of physical internet for improving efficiency in solar cell industry. *Journal of Ambient Intelligence and Humanized Computing*, (2016)1-10. (SCI, 101/143,COMPUTER SCIENCE, INFORMATION SYSTEMS).
25. Chen-Yang Cheng, Yin-Yann Chen, Tzu-Li Chen, John Jung-Woon Yoo (2015, Dec). Using a hybrid approach based on the particle swarm optimization and ant colony optimization to solve a joint order batching and picker routing problem. *International Journal of Production Economics*, 170, 805-814. (SCI).
26. Li-Chih Wang, Chen-Yang Cheng, Wen-Kuan Wang (2015, Nov). Flexible supply network planning for hybrid shipment: A case study of memory module industry. *International Journal of Production Research*. (Accepted). (SCI).
27. Li-Chih Wang, Chen-Yang Cheng, Ya-Tsai Tseng, Yi-Fang Liu (2015, Nov). Demand-Pull Replenishment Model for Hospital Inventory Management: A Dynamic Buffer-Adjustment Approach. *International Journal of Production Research*, 53(24), 7533-7546. (SCI).
28. Chumpol Yuangyai, Chung-Yu Pan, Yi-Jou Lin,Chen-Yang Cheng (2015, Sep). Investigating of antenna selection for the adaptive centroid localization systems. *International Journal of Production Economics*. (SCI). MOST 101-2221-E-029-021.
29. Cheng-Yang Cheng, Iuon-Chang Lin and Shu-Yan Huang (2015, Aug). An RSA-Like Scheme for Multi-User Broadcast Authentication in Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*. (Accepted). (SCI).
30. Iuon-Chang Lin, Hao-Ju Wu, Shu-Fen Li, Chen-Yang Cheng (2015, Apr). A fair reputation system for use in online auctions. *Journal of Business Research*. (SSCI).
31. Chen, Tzu-Li, Cheng, Chen-Yang, Chen, Yin-Yann, Chan, Li-Kai (2015, Jan). An efficient hybrid algorithm for integrated order batching, sequencing and routing problem. *International Journal of Production Economics*, 159,158-167. (SCI).
32. Li-Chih Wang, Chen-Yang Cheng (2014, Nov). Development of an integrated demand-supply balancing system for supply chain exception handling. *International Journal of Information Systems and Change Management*. (EI).
33. Chen-Yang Cheng, Tsung-Yin Ou, Tzu-Li Chen, Yin-Yann Chen (2014, Oct). Transferring cognitive apprenticeship to manufacturing process knowledge management system: A case study of small- and medium-sized coating industry.. *VINE: The journal of information and knowledge management systems*, 44(3), 420-444. .
34. Li-Chih Wang, Yin-Yann Chen, Tzu-Li Chen, Chen-Yang Cheng, Chin-Wei Chang (2014, Oct). A Hybrid Flowshop Scheduling Model Considering Dedicated Machines and Lot-splitting for the Solar Cell Industry. *International Journal of Systems Science*. (Accepted). (SCI, 33/77, OPERATIONS RESEARCH & MANAGEMENT SCIENCE ).
35. Iuon-Chang Lin; Hung-Huei Hsu; Chen-Yang Cheng (2014, Sep). A Cloud-Based Authentication Protocol for RFID Supply Chain Systems. *Journal of Network and Systems Management*. (SCI).
36. Kuo-Liang Chiang, Chen-Yang Cheng\* (2014, Jul). Prevalence and neuro-psychiatric comorbidities of pediatric epilepsy in Taiwan: a national population-based study. *Epilepsy Research*. (SCI).
37. Cheng, Chen-Yang\*, Tzu-Li Chen, and Yin-Yann Chen (2014, May). An analysis of the structural complexity of supply chain networks. *Applied Mathematical Modelling*. (SCI).
38. Cheng, Chen-Yang. (2014, May). Indoor localization algorithm using clustering on signal and coordination pattern. *Annals of Operations Research*, 216(1),83-99. (SCI).
39. John Jung-Woon Yoo, Krishnaveni Gnanasekaran, Chen-Yang Cheng (2014, May). A Collaborative Healthcare Service Framework and Performance Evaluation. *American Journal of Industrial and Business Management*, 4, 274-283.
40. Cheng, C. Y. \*, Li, S. F., Chu, S. J., Yeh, C. Y., & Simmons, R. J. (2013, Aug). Application of fault tree analysis to assess inventory risk: a practical case from aerospace manufacturing. . *International Journal of Production Research*, 51(21), 6499-6514. (SCI).
41. Chen-Yang Cheng, Vittal Prabhu (2013, Jun). An approach for research and training in enterprise information system with RFID technology. *Journal of Intelligent Manufacturing*, DOI 10.1007/s10845-011-0595-4. (SCI).
42. Chen-Yang Cheng, Tzu-Li Chen, Li-Chih Wang & Yin-Yann Chen (2013, May). A genetic algorithm for the multi-stage and parallel-machine scheduling problem with job splitting – A case study for the solar cell industry. *International Journal of Production Research*. (Accepted). NSC 100-2221-E-029-011.
43. Li-Chih Wang, Chen-Yang Cheng & Sian-Kun Lin (2013, May). Distributed feedback control algorithm in an auction-based manufacturing planning and control system. *International Journal of Production Research*. (SCI, 25/77, OPERATIONS RESEARCH & MANAGEMENT SCIENCE ).
44. Chen-Yang Cheng, Tsuo-Hung Lan, Chin-Hong Chan (2013, Feb). An Improved Localization Algorithm with Wireless Heartbeat Monitoring System for Patient Safety in Psychiatric Wards. *Engineering Applications of Artificial Intelligence* . (Accepted). (SCI, 10/90, ENGINEERING, MULTIDISCIPLINARY).
45. Morgan, J. H., Cheng, C.-Y. , Pike, C., & Ritter, F. E. (2013, Feb). A design, tests, and considerations for improving keystroke and mouse loggers. . *Interacting with Computers*. (SSCI, 6/15, ERGONOMICS).

46. Li-Chih WANG, Chen-Yang CHENG\*, Shih-Lun HSU (2013, Jan). A Closed-loop Feedback Simulation for RFID-based Manufacturing Planning and Control System. *International Journal of Information Technology and Management*. (Accepted). (EI).
47. Y. Y. Chen, C. Y. Cheng\* , L.C. Wang, T. L. Chen (2013, Jan). A hybrid approach based on the variable neighborhood search and particle swarm optimization for parallel machine scheduling problems- A case study for solar cell industry. *International Journal of Production Economics*. (SCI, 8/77, OPERATIONS RESEARCH & MANAGEMENT SCIENCE ).
48. YiWen Chen & Chen-Yang Cheng & Hsin-Yuan Miao & Mei Zhang & Richard Liang & Chuck Zhang Li-Chih Wang & Ben Wang (2013, Jan). Application of response surface methodology in the optimization of laser treatment in buckypaper lighting for field emission displays. *International Journal of Advanced Manufacturing Technology*. (SCI, 12/37, ENGINEERING, MANUFACTURING).
49. Chen-Yang Cheng\*, Jyh-Wen Chai (2012, Dec). Deployment of RFID in Healthcare Facilities-Experimental Design in MRI Department. *Journal of Medical Systems*, DOI 10.1007/s10916-011-9796-9. (SCI), NSC 99-2221-E-029-010.
50. Chen-Yang Cheng\*, Vittal Prabhu (2012, Aug). Evaluation models for service oriented process in spare parts management. *Journal of Intelligent Manufacturing*. (SCI), NSC 98-2218-E-029-001.
51. Chen-Yang Cheng, Tanna Pugh, Ling Rothrock, Vittal Prabhu (2012, Mar). Enterprise Transformation for Enabling University-Industrial Collaboration – A Case Study in Complexity and Usability. *Service Science*. (Accepted).
52. Chen-Yang Cheng\*, Bu-Yuan Zhang (2012, Mar). Implementation of the Lean Six Sigma Framework in Non-Profit Organizations: a Case Study. *Total Quality Management & Business Excellence*. (Accepted). (SSCI).
53. Chen-Yang Cheng, Byungho Jeong, Yu-Jen Chang (2012). RFID-based e-Manufacturing for Real-time ATP. *Communications in Information Science and Management Engineering* , 2(5), 22-29.
54. Chen-Yang Cheng, Dave Barton, Vittal Prabhu\* (2010, Oct). The servicisation of the cutting tool supply chain. *International Journal of Production Research*, 48(1)1-19. (SCI).
55. Li-Chih Wang\*, Chen-Yang Cheng, Li-Pin Huang (2010, Sep). A Genetic Algorithm for Directed Graph-based Supply Network Planning in Memory Module Industry. *Industrial Engineering & Management Systems*, 9(3), 227-241.. NSC 98-2221-E-029-018-MY3.
56. Byungho Jeong, Chen-Yang Cheng, Vittal Prabhu\* (2009, Oct). Modeling and Analysis of Surgery Patient Identification Using RFID:. *International Journal of Information Systems in the Service Sector*, Vol. 1, No. 4, 1-14.

**(B) 學術會議論文 ( Conference Papers )**

1. Chang, Chun-Chou, and Chen-Yang Cheng (2018, Jul). The Adaptive Balloon Forces for Active Surface Models in Skull Repair Technique. The 4th International Conference on Engineering, Applied Sciences and Technology (ICEAST), Phuket, Thailand .
2. Hung, Chia-Yu, and Chen-Yang Cheng (2018, Jul). The research of hidden Markov models for overall equipment effectiveness analysis in smart manufacturing system. The 4th International Conference on Engineering, Applied Sciences and Technology (ICEAST) , Phuket, Thailand .
3. Yu Cheng Chiang, Chumpol Yuangyai, Chen-Yang Cheng (2018, Jul). Intelligent Robot of Inclined Assembly Sequence Planning in Industrial 4.0. The 4th International Conference on Engineering, Applied Sciences and Technology (ICEAST), Phuket, Thailand .
4. Chia-Yu Hung, Chen-Yang Cheng and Shih-Pin Chao (2017, Dec). The research of current signal analysis for overall equipment effectiveness in cyber-physical system. THE 18TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE, Indonesia. MOST 106-2221-E-027-083.
5. Ting-Hua Chen, Chen-Yang Cheng, Chumpol Yuangyai (2017, Dec). Application of experimental design method to design antenna. THE 18TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE, Indonesia. MOST 106-2221-E-027-083.
6. Chi-Hsin Wang, Chen-Yang Cheng (2016, Dec). Development a Collide-Based automated assembly sequence algorithm in Industry 4.0. THE 17TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE, Taipei.
7. Chumpol Yuangyai, Sarusakorn Booranadiloak, Wan-Chen Chiang, Chen-Yang Cheng (2016, Dec). Using Particle Swarm Optimization Algorithm in Manpower Planning for a Call Center in Healthcare Service. THE 17TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE, Taipei.
8. Yu-Cheng Lin, Chen-Yang Cheng, Yi-Wen Cheng, Cheng-Ting Shih (2016, Dec). Using Differential Evolution in Skull Prosthesis Modelling by Superellipse. THE 17TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE, Taipei.

9. Chia-Chi Hsu and Chen-Yang Cheng (2015, Dec). Importing Lean production improvement research status - semiconductor packaging plant, for example . THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
10. Chun-Hsiung Lai, Yu-Ren Wang, Chen-Yang Cheng (2015, Dec). Sequencing-Coordinate-Capacity Particle Swarm Optimization Algorithm for Solving the Open Vehicle Routing Problem with Time Windows . THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
11. Piraya Kaewsuan; Kantapit Kaewsuan; Chen-Yang Cheng; Chumpol Yuangyai (2015, Dec). Principal component analysis for homogeneity detection in sausage color using image analysis. THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
12. Shao-Chun Hung, Chen-Yang Cheng (2015, Dec). Intermittent Demand Classification and Demand Forecasting for Medical Materials . THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
13. Wei-Chieh Hsiao, Chin-Chang Yu, Chen-Yang Cheng (2015, Dec). APPLICATION OF KALMAN FILTER AND ADAPTIVE-NETWORK-BASED FUZZY INFERENCE SYSTEM IN INDOOR LOCALIZATION . THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
14. Shu-Fen Li , Chen-Yang Cheng (2015). A Novel Particle Swarm Optimization with Parameter Evolution . THE 16TH ASIA PACIFIC INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS CONFERENCE .
15. Chi-Wei Shih, Chen-Yang Cheng (2014, Oct). APPLICATION OF CLOUD-BASED KANBAN SYSTEM IN PROJECT MANAGEMENT. 15th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2014).
16. Chia-Leng Lee, Jose Chiu-C Chen, Chen-Yang Cheng (2014, Oct). Enhancing the Service Quality of Non-Profit Organizations through Lean Thinking. 15th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2014).
17. Chun Hsiung Lai, Chen-Yang Cheng (2014, Oct). Mixed Integer Linear Programming for Un-related Parallel Machine Problems to Minimize Total Earliness and Tardiness - A Case Study of Precision Metal Tools Industry. 15th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2014).
18. Li Shu-Fen, Chen-Yang Cheng (2014, Oct). A Hybrid Particle Swarm Optimization and Variable Neighborhood Search for Multiprocessor Scheduling in Hybrid Flow Shop: A Case in Solar Cells Manufacturing. 15th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2014).
19. Chun-Hsiung Lai, Tzu-Li Chen, Yin-Yann Chen, Chen-Yang Cheng (2013, Sep). An efficient hybrid algorithm for integrated order batching, sequencing and routing problem. 14th Asia Pacific Industrial Engineering and Management System Conference.
20. Chun-Wei Wang, Chen-Yang Cheng, Pu-Yuan Chang, Chi-Chang Hsu (2012, Dec). The Application of Lean Six Sigma to Nonprofit Organizations : a case study of Maria's Bakery . Proceedings of the Asia Pacific Industrial Engineering & Management Systems Conference 2012.
21. Tzu-Hao Hung, Pu-Yuan Chang, Chen-Yang Cheng (2012, Dec). Development of Knowledge Management System for Architectural Coating Manufacturing Process. Proceedings of the Asia Pacific Industrial Engineering & Management Systems Conference 2012.
22. Yi-Lou Lin, Chen-Yang Cheng, Chumpol Yuangyai (2012, Dec). Experimental Analysis of Antennas Selection for Wireless Localization. Proceedings of the Asia Pacific Industrial Engineering & Management Systems Conference 2012.
23. Chen-Yang Cheng, Li-Chih Wang\*, Shih-Lun Hsu (2010, Nov). Simulation and Multi-Agent-Based Integrated Solution for Manufacturing. Industrial Engineering and Engineering Management,.
24. Chen-Yang Cheng, Li-Chih Wang\*, Shih-Lun Hsu (2010, Jun). Development of an Iterative Bidding Mechanism for Multi-agent Planning and Manufacturing Control System. The 14th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2010.
25. \*Li-Chih Wang, Chen-Yang Cheng, Sian-Kun Lin, Yu-Yun Lee (2009, Dec). Directed-Graph Based Supply Network Planning: Memory Module Industry Case Study. The Asian Pacific Industrial Engineering and Management Systems (APIEMS).
26. \*Chen-Yang Cheng, Vittal Prabhu (2009, Aug). Experimental Investigation of EMI on RFID in Manufacturing. 5th Annual IEEE Conference on Automation Science and Engineering.