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### Journal/Refereed Publications:

1. Cheng-Hung Wu, Wen-Chih Chen, and Hung-Chen Chiu, “Dynamic expansion of flexible capacity with and without pricing coordination”, *Computers and Industrial Engineering*, Accepted, 2021. (SCI)
2. Jefferson Huang, Douglas G. Down, Mark E. Lewis, and Cheng-Hung Wu, “Dynamically scheduling and maintaining a flexible server”, *Naval Research Logistics*, Accepted, 2021. (SCI)
3. Ywh-Leh Chou, Ju-Min Yang, and Cheng-Hung Wu, “An Energy-aware Scheduling Algorithm under Maximum Power Consumption Constraints”, *Journal of Manufacturing Systems*, Vol. 57, 182-197, 2020. (SCI)
4. Yi-Hsin Wu, Yu-Hsin Chang, Yin-Jing Tien, Cheng-Juei Yu, Sheng-De Wang, and Cheng-Hung Wu, “Using Partial Combination Models to Improve Prediction Quality and Transparency in Mixed Datasets”, *IEEE Access*, Vol. 8, 132106-132120, 2020. (SCI)
5. Ywh-Leh Chou, Te-Yu Lin, Jei-Zheng Wu, and Cheng-Hung Wu, “An Interactive Method for Multi-Criteria Dispatching Problems with Unknown Preference Functions”, *Computers and Industrial Engineering*, Vol. 144, 106462, 2020. (SCI)
6. Cheng-Hung Wu, Fang-Yi Zhou, Chi-Kang Tsai, Cheng-Juei Yu, and Stéphane Dauzère-Pérès, “A Deep Learning Approach for the Dynamic Dispatching of Unreliable Machines in Re-entrant Production Systems”, *International Journal of Production Research*, Vol. 58(9), 2822-2840, 2020. (SCI)
7. Cheng-Hung Wu, Yi-Chun Yao, Stéphane Dauzère-Pérès, Cheng-Juei Yu, “Dynamic Dispatching and Preventive Maintenance for Parallel Machines with Dispatching-dependent Deterioration”, *Computers & Operations Research*, Vol. 113, 104779, 2020. (SCI)
8. Margaux Nattaf, Stéphane Dauzère-Pérès, Claude Yugma, and Cheng-Hung Wu, “Parallel Machine Scheduling with Time Constraints on Machine Qualifications”, *Computers & Operations Research*, Vol. 107, 61-76, 2019. (SCI)
9. Cheng-Hung Wu and Soon-Tat Ong, “Scheduling and Cutting Parameters Optimization for Parallel Turning Machines with Energy Consumption and Tool Life Considerations”, *2019 IEEE International Conference on Smart Manufacturing, Industrial & Logistics Engineering (IEEE SMILE2019)*, 2019. (EI)
10. Wen-Chih Chen and Cheng-Hung Wu, “A trading decision support model to maximize the sustainability of a self-financed guaranteed farmgate price program”, *Computers and Electronics in Agriculture*, Vol. 158, 303 – 312, 2019. (SCI)
11. Jefferson Huang, Douglas G. Down, Mark E. Lewis, and Cheng-Hung Wu, “Dynamic scheduling and maintenance for a two-class queue with a deteriorating server”, *Proceedings of the 2018 Annual American Control Conference (ACC)*, 3197 – 3202, 2018. (EI)
12. Fang-Yi Zhou, Cheng-Hung Wu, and Cheng-Juei Yu, “Dynamic Dispatching for Re-Entrant

- Production Lines - a Deep Learning Approach”, *Proceedings of the 2017 13th IEEE Conference on Automation Science and Engineering (CASE)*, 347-363, 2017. (EI)
13. Yen-Shao Chen, Cheng-Hung Wu, and Shi-Chung Chang, “Decentralized Dispatching for Blocking Avoidance in Automated Material Handling Systems”, *Proceedings of the 2016 Winter Simulation Conference*, 2580-2586, 2016. (EI)
  14. Cheng-Hung Wu, Wen-Chi Chien, Ya-Tang Chuang, Yu-Ching Cheng, “Multiple product admission control in semiconductor manufacturing systems with process queue time (PQT) constraints”, *Computers and Industrial Engineering*, Vol. 99, 347-363, 2016. (SCI)
  15. Yu-Ting Chen, Cheng-Hung Wu, Yin-Jing Tien, and Cheng-Juie Yu, “Production Control under Process Queue Time Constraints in Systems with a Common Downstream Workstation”, *International Journal of Industrial Engineering: Theory, Applications and Practice*, Vol. 23(5), 2016. (SCI)
  16. Chen-Fu Chien, Kuo-Yi Lin, Jih-Bing Sheu, and Cheng-Hung Wu, “Retrospect and Prospect on Operations and Management Journals in Taiwan: From Industry 3.0 to Industry 3.5 (台灣生產與作業管理之相關期刊文獻回顧與前瞻:從工業3.0到工業3.5)”, *Journal of Management (管理學報)*, Vol. 33(1), 2016. (TSSCI)
  17. Debby Isnaeni, Shuo-Yan Chou, Phan Phuc, and Cheng-Hung Wu, “Developing Acceptance Policies for a Stochastic Single-Resource Revenue Management Problem”, *Proceedings of the 2015 IEEE 39th Annual Computer Software and Applications Conference (COMPSAC 2015)*, DOI: 10.1109/COMPSAC.2015.218. (EI)
  18. Tzu-Li Chen, James T. Lin, and Cheng-Hung Wu, “Coordinated Capacity Planning in Two-stage Thin-Film-Transistor Liquid-Crystal-Display (TFT-LCD) Production Networks”, *Omega*, Vol. 42(1), 141-156, Jan. 2014. (SCI)
  19. James T. Lin, Cheng-Hung Wu, and Chih-Wei Huang, “Dynamic Vehicle Allocation Control for Automated Material Handling System in Semiconductor Manufacturing”, *Computers and Operations Research*, Vol. 40(10), 2329-2339, 2013. (SCI)
  20. Cheng-Hung Wu and Ya-Tang Chuang, “An Efficient Algorithm for Stochastic Capacity Portfolio Planning Problems”, *Journal of Intelligent Manufacturing*, Vol. 23(6), 2161 – 2170, Dec. 2012 (Aug. 2011 online). (SCI)
  21. Cheng-Hung Wu, Wen-Chi Chien, and James T. Lin, “Dynamic production control in parallel processing systems under process queue time constraints”, *Computers and Industrial Engineering*, Vol. 63(1), 192-203, Aug. 2012. (SCI)
  22. Chen-Fu Chien, Cheng-Hung Wu, and Yu-Shian Chiang, “Coordinated Capacity Migration and Expansion Planning for Semiconductor Manufacturing under Demand Uncertainties”, *International Journal of Production Economics*, Vol. 135(2), 860-869, Feb. 2012. (SCI)
  23. James T. Lin, Cheng-Hung Wu, Tzu-Li Chen and Shin-Hui Shih, “A Stochastic Programming Model for Strategic Capacity Planning in Thin Film Transistor-Liquid Crystal Display (TFT-LCD) Industry”, *Computers and Operations Research*, Vol. 38(7), 992-1007, 2011. (NSC97-2221-E-002-154-MY3 補助) (SCI)
  24. Hua-Hsuan Wu, Cheng-Hung Wu, and James T. Lin, “Dynamic Selling of Quality-graded Products under Demand Uncertainties”, *Computers and Industrial Engineering*, Vol. 61(1), 141–149, 2011. (SCI)

25. Lai-Yun Wu, Lap-Loi Chung, Cheng-Hung Wu, Hsu-Hui Huang, and Kun-Wei Lin, "Vibrations of Nonlocal Timoshenko Beams using Orthogonal Collocation Method", *Procedia Engineering*, Vol. 14, 2394–2402, 2011. (EI)
26. Cheng-Hung Wu and Ya-Tang Chuang, "An Innovative Approach for Strategic Capacity Portfolio Planning under Uncertainties", *European Journal of Operational Research*, Vol. 207(1), 1002–1013, 2010. (SCI)
27. Cheng-Hung Wu, James T. Lin, and Wen-Chih Chien, "Dynamic Production Control in a Serial Line with Process Queue Time Constraint", *International Journal of Production Research*, Vol. 48(13), 3823–3843, 2010. (SCI)
28. Cheng-Hung Wu, James T. Lin and Hua-Hsuan Wu, "Robust Production and Transportation Planning in Thin Film Transistor-Liquid Crystal Display (TFT-LCD) Industry under Demand and Price Uncertainties", *International Journal of Production Research*, Vol. 48(20), 6037–6060, 2010. (SCI)
29. James T. Lin, I-Hsuan Hong, Cheng-Hung Wu and Kai-Sheng Wang, "A Model for Batch Available-to-promise in Order Fulfillment Processes for TFT-LCD Production Chains", *Computers and Industrial Engineering*, Vol. 59(4), 720–729, 2010. (SCI)
30. Cheng-Hung Wu and Yu-Ching Cheng, "Production Control under Processes Queue Time Constraints – A Case Study in Semiconductor Manufacturing", *Automation Quarterly*, Sep. 2010, in Chinese.
31. Lai-Yun Wu, Cheng-Hung Wu, and Hsu-Hui Huang, "Shear Buckling of Thin Plates Using the Spline Collocation Method", *International Journal of Structural Stability and Dynamics*, Vol. 8(4), 645–664, 2008. (SCI)
32. Cheng-Hung Wu, Douglas Down and Mark E. Lewis, "Heuristics for Allocation of Reconfigurable Resources in a Serial Line with Reliability Considerations", *IIE Transactions*, Vol. 40(6), 595–611, 2008. (NSC96-2221-E-002-315補助) (SCI)
33. Cheng-Hung Wu, Douglas Down and Mark E. Lewis, "An available-to-promise model for TFT-LCD production chain", *Proceedings of the 14<sup>th</sup> International Conference on Industrial Engineering and Engineering Management*, 23–28, 2007. (EI)
34. Cheng-Hung Wu, Mark E. Lewis and Michael Veatch, "Dynamic Allocation of Reconfigurable Resources in a Two-Stage Tandem Queueing System with Reliability Considerations", *IEEE Transactions on Automatic Control*, Vol. 51(2), 309–314, 2006. (SCI)

## **Dissertation**

Cheng-Hung Wu, "Flexible Resource Allocation in Complex Processing Networks with Reliability Considerations", Industrial and Operations Engineering, 2006, University of Michigan - Ann Arbor

## International Conference Proceedings and Presentations

1. Christian John Immanuel S. Boydon, Yi-Hsin Wu, and Cheng-Hung Wu, "Data-driven Scheduling for High-mix and Low-volume Production in Semiconductor Assembly and Testing," IEEE 17th International Conference on Automation Science and Engineering (CASE 2021), Lyon, France. Aug. 2021
2. Yang Yang and Cheng-Hung Wu, "Pricing and Technology Competition with Switching Costs", 31st European Conference on Operational Research (EURO2021), Athens, Greece. Jul. 2021
3. Bin Zhang and Cheng-Hung Wu, "A dynamic dispatching method for large-scale manufacturing systems based on the linear programming decomposition", 23th Decision Analysis Symposium (DAS2021), Taipei, Taiwan. Jan. 2021
4. Yang Yang and Cheng-Hung Wu, "An Agile Dynamic Pricing Framework for Demand Learning", International Conference on Service Science and Innovation 2020 (ICSSI 2020), Hsinchu, Taiwan. Oct. 2020
5. Bin Zhang and Cheng-Hung Wu, "Capacity planning and risk analysis under the consideration of continuing operations ", 1st International Conference on Intelligent Production and Operations (IPO 2020), Taipei, Taiwan Jun. 2020
6. Yang Yang and Cheng-Hung Wu, "Dynamic Pricing and Technology Competition with Switching Costs", 1st International Conference on Intelligent Production and Operations (IPO 2020), Taipei, Taiwan. Jun. 2020
7. Ywh-Leh Chou, Cheng-Juei Yu and Cheng-Hung Wu, "A Hierarchical Yield and Throughput Rate Forecasting Method for Backend Semiconductor Manufacturing", 20th Asia Pacific Industrial Engineering and Management Systems (APIEMS 2019), Ishikawa, Japan. last update:2019/09/08 Dec. 2019
8. Bin Zhang and Cheng-Hung Wu, "Dynamic Capacity Planning with Sustainability and Risk Considerations", 14th International Congress on Logistics and SCM Systems (ICLS 2019), Taipei, Taiwan. Aug. 2019
9. Cheng-Hung Wu and Jia-Ning Hu, "A Computational Study on Price and Switching Costs Competition in Duopoly", 14th International Congress on Logistics and SCM Systems (ICLS 2019), Taipei, Taiwan. Aug. 2019
10. Yang Yang and Cheng-Hung Wu, "Price and switching costs competition in Duopoly", 14th International Congress on Logistics and SCM Systems (ICLS 2019), Taipei, Taiwan. Aug. 2019
11. Tan Yu, and Cheng-Hung Wu, "Dynamic facility location problems for time-variant demands", 14th International Congress on Logistics and SCM Systems (ICLS 2019), Taipei, Taiwan. Aug. 2019
12. Wen-Chih Chen, and Cheng-Hung Wu, "A Decision Support System for Job Dispatching in the Weaving Process - a Case Study in Taiwan", 30th European Conference on Operational Research (EURO 2019), Dublin, Ireland. Jun. 2019
13. Yang Yang and Cheng-Hung Wu, "Competition and Market Dynamics in Duopoly: The Effect of Switching Costs", 21st Decision Analysis Symposium (DAS2019), Taipei, Taiwan. Jan. 2019
14. Cheng-Hung Wu, Fang-Yi Zhou, and Cheng-Juei Yu, "A deep learning approach for dispatching problems in Large Flexible Manufacturing Systems", 29th European Conference on Operational Research (EURO 2018), Valencia, Spain. Jul. 2018
15. Cheng-Hung Wu, "Capacity and Partnership Management under Conflict of Interests with Customers", 14th Viennese Conference on Optimal Control and Dynamic Games, Jul. 2018

- Vienna, Austria
16. Jefferson Huang, Douglas G. Down, Mark E. Lewis, and Cheng-Hung Wu, “Dynamic scheduling and maintenance for a two-class queue with a deteriorating server”, 2018 Annual American Control Conference (ACC), 3197 – 3202, Milwaukee, Wisconsin. Jun. 2018
  17. Jefferson Huang, Douglas Down, Mark E. Lewis, and Cheng-Hung Wu, “Dynamic Scheduling and Maintenance of a Deteriorating Server”, INFORMS International 2018, Taipei, Taiwan. Jun. 2018
  18. Li-Heng Chang, To-Liang Hsu, and Cheng-Hung Wu, “An Efficient Algorithm for Pickup and Delivery Problems with Ride-sharing and Multiple Transfers”, INFORMS International 2018, Taipei, Taiwan. Jun. 2018
  19. Chih-Chuan Chang and Cheng-Hung Wu, “Dynamic Production Scheduling in Multi-stage Tandems Systems with Machine Health Information”, INFORMS International 2018, Taipei, Taiwan. Jun. 2018
  20. Martin Starker and Cheng-Hung Wu, “Storage Location Assignment in a Rack-moving Mobile Robots Warehouse through Item Clustering”, INFORMS International 2018, Taipei, Taiwan. Jun. 2018
  21. Yi-Chun Yao, Chih-Chuan Chang, and Cheng-Hung Wu, “Dynamic Dispatching of Inequivalent Machines with Dispatching-Dependent Deterioration”, 2018 International Symposium on Semiconductor Manufacturing Intelligence (ISMI 2018), Hsinchu, Taiwan (Best Paper Award) Feb. 2018
  22. Cheng-Hung Wu, “A Novel Dynamic Scheduling Method for Manufacturing Systems with Unreliable Machines and Time Window Constraints”, The 19<sup>th</sup> INFORMS Applied Probability Society Conference, Evanston, Illinois, USA Jul. 2017
  23. Yen-Shao Chen, Cheng-Hung Wu, and Shi-Chung Chang, “Decentralized Dispatching for Blocking Avoidance in Automated Material Handling Systems”, 2016 Winter Simulation Conference (WSC 2016), Washington DC, USA Dec. 2016
  24. Cheng-Hung Wu, Ching-Jung Tang, Yi-Ju Ting and Yeni Ouyang, “Inventory management for items under product classification”, The 17th Asia Pacific Industrial Engineering and Management System Conference (APIEMS 2016), Taipei, Taiwan Dec. 2016
  25. Chao-Yang Hung, Elaine Lee, and Cheng-Hung Wu, “Dynamic optimization of shared capacity under demand uncertainties and price differentiation”, The 17th Asia Pacific Industrial Engineering and Management System Conference (APIEMS 2016), Taipei, Taiwan Dec. 2016
  26. Wen-Chih Chen, Cheng-Hung Wu and Ping-Chung Chi, “A commodity trading policy to maximize the survival probability”, The 17th Asia Pacific Industrial Engineering and Management System Conference (APIEMS 2016), Taipei, Taiwan Dec. 2016
  27. Ya-Hua Huang and Cheng-Hung Wu, “Production Control under Sequential Process Queue Time Constraints”, The 17th Asia Pacific Industrial Engineering and Management System Conference (APIEMS 2016), Taipei, Taiwan Dec. 2016
  28. Cheng-Hung Wu, Bo-Chen Pan, and Fang-Yi Zhou, “Dynamic Production Control with Real Time Equipment Health Considerations”, The 2015 International Symposium on Semiconductor Manufacturing Intelligence (ISMI2016), Hsinchu, Taiwan Aug. 2016
  29. Cheng-Hung Wu, “Dynamic Production Control with Real Time Equipment Health Considerations”, 2016 INFORMS International Meeting (INFORMS2016), Hawaii, USA Jun. 2016
  30. Cheng-Hung Wu and Yi-Chun Yao, “Dynamic Production Scheduling of Inequivalent Machines with Real-Time Machine Health Information”, 2016 Annual Meetings of Asian Association for Algorithms and Computation (2016 AAAC), Taipei, Taiwan May. 2016

31. Yu-Ting Chen, Cheng-Hung Wu, Yin-Jing Tien, and Cheng-Juei Yu “Dynamic Load Balance for Common Downstream Capacity with Equipment Health Consideration under Process Queue Time Constraints”, 2015 International Symposium on Semiconductor Manufacturing Intelligence (ISMI2015), Daejeon, Korea Oct. 2015
32. Cheng-Hung Wu, Chun-Ni Shen, and Tien-Ju Wu, “Preannouncement of Next Generation Products in Duopoly under Technology Capability Uncertainties”, 2015 Manufacturing and Service Operations Management (MSOM 2015), Toronto, Canada Jun. 2015
33. Cheng-Hung Wu, Yu-Ching Cheng, and Wen-Chi Chien, “Dynamic Production Control in Serial Productions Systems with Queue Time Constraint Considerations”, 2014 International Symposium on Semiconductor Manufacturing Intelligence (ISMI2014), Taipei, Taiwan Aug. 2014
34. Cheng-Hung Wu and Wen-Lan Hsu, “Capacity Planning and Partnership Management”, Asia Pacific Industrial Engineering & Management Systems Conference 2014, Jeju, Korea Oct. 2014
35. Cheng-Hung Wu and Chia-Yu Chang “Dynamic Demand Differentiation for Partially Flexible Health Care Service Systems”, The 9th International Conference on Optimization: Techniques and Applications (ICOTA 9), Taipei, Taiwan Dec. 2013
36. Cheng-Hung Wu and Ying-Hsia Chou “Dynamic Admission Control and Flexible Resource Allocation for Re-entrant Healthcare Service”, 17th International Conference on Industrial Engineering Theory, Applications and Practice, Busan, Korea Oct. 2013
37. Chiao Fu and Cheng-Hung Wu, “Coordination of Long-term, Short-term Supply Contract and Capacity Investment Strategy”, The Institute of Industrial Engineers Asian Conference 2013, Taipei, Taiwan Jul. 2013
38. Chun-Ni Shen and Cheng-Hung Wu, “New Product Preannouncement Strategy in Duopoly”, The 4th International Conference on Industrial Engineering and Management Innovation (IEMI’2013), Taipei, Taiwan Jul. 2013
39. Cheng-Hung Wu and Doris Chou “Dynamic Resource Allocation for Health Care Service under Uncertainties”, The Fourth POMS-HK International Conference, Hong Kong Jan. 2013
40. Cheng-Hung Wu, Yu-Ching Cheng, Ping-Ju Tang, and Jiun-Yu Yu, “Optimal Batch Process Admission Control in Tandem Queueing Systems with Queue time Constraint Considerations”, Winter Simulation Conference, Berlin, Germany Dec. 2012
41. Cheng-Hung Wu and Po-Hsin Lin, “Dynamic Demand Differentiation for Partially Flexible Manufacturing and Service Systems”, The 21st International Conference of Flexible Automation and Intelligent Manufacturing (FAIM 2011), Taichung, Taiwan. Jun. 2011
42. Cheng-Hung Wu, “The Coordination of Production Scheduling and Preventive Maintenance Scheduling under Uncertainties”, The 7th International Conference on Intelligent Manufacturing Logistics Systems, Chungli, Taiwan. Feb. 2011
43. Cheng-Hung Wu and Andrea H. Chiu, “Dynamic Capacity Planning under Centralized and Decentralized Pricing Decisions”, The Second POMS-HK International Conference, Hong Kong. Jan. 2011
44. Cheng-Hung Wu, Wen-Chih Chien, and Yu-Ching Cheng, “Dynamic Production Control under Queue Time Constraints”, The Second POMS-HK International Conference, Hong Kong. Jan. 2011
45. Cheng-Hung Wu, Iris Chia-Yu Chang, Po-Hsin Lin and Chiao-Ru Hung, “Dynamic Demand Differentiation for Health Care Service under Uncertainties”, International Conference on Mass Customization and Personalization, Taipei, Taiwan. Dec. 2010
46. Cheng-Hung Wu and Ya-Tang Chuang, “Dynamic Multi- Generation Capacity Jul. 2010

- Planning under Uncertainties”, The 40<sup>th</sup> International Conference on Computers and Industrial Engineering, Awaji, Japan.
47. Cheng-Hung Wu and Ya-Tang Chuang, “An Efficient Dynamic Programming Algorithm for Multiple Generation Capacity Planning”, The 6th International Conference on Intelligent manufacturing & Logistics Systems, Hsinchu, Taiwan. Feb. 2010
  48. Cheng-Hung Wu, Hung-Chen Chiu, and I-Ling Lee, “Stochastic Dynamic Capacity Planning under Price Discrimination”, The 6th International Conference on Intelligent manufacturing & Logistics Systems, Hsinchu, Taiwan. Feb. 2010
  49. Cheng-Hung Wu and Ya-Tang Chuang, “An Innovative Approach for Strategic Capacity Portfolio Planning under Uncertainties”, The 15<sup>th</sup> INFORMS Applied Probability Conference, 2009, Ithaca, NY, USA. Jul. 2009
  50. Cheng-Hung Wu and Ya-Tang Chuang, “Portfolio Optimization of Multi- Generation Capacity under Demand and Price Uncertainties”, The 4<sup>th</sup> Sino-Japanese Optimization Meeting, 2008, Tainan, Taiwan Aug. 2008
  51. Cheng-Hung Wu, Hua-Hsuan Wu, and James T. Lin, “Production and Transportation Planning in a Thin Film Transistor Liquid Crystal Display (TFT-LCD) Product Chain”, IIE Annual Conference and Expo, IERC 2008, Vancouver, Canada May 2008
  52. Wen-Chi Chien, Cheng-Hung Wu, and James T. Lin, “Optimal Admission Control in Tandem Queueing Systems with Queue Time Constraint Considerations”, IIE Annual Conference and Expo, IERC 2008, Vancouver, Canada (Invited Session Chair: Production Planning and Scheduling II) May 2008
  53. Cheng-Hung Wu, Hua-Hsuan Wu, “A Robust Optimization Approach for Production and Transportation Control in Thin Film Transistor Liquid Crystal Display (TFT-LCD) Industry”, The 8<sup>th</sup> Asia Pacific Industrial Engineering & Management System(APIEMS 2007), Kaohsiung, Taiwan, (refereed) Dec. 2007
  54. James T. Lin, Cheng-Hung Wu, Tzu-Li Chen, and Yi -Ching Chang, “A Stochastic Programming Model for Strategic Capacity Planning in TFT-LCD Production Chain”, The 8<sup>th</sup> Asia Pacific Industrial Engineering & Management System(APIEMS 2007), Kaohsiung, Taiwan Dec. 2007
  55. James T. Lin, Kai-Sheng Wang, I-Hsuan Hong, Cheng-Hung Wu, “An available- to-promise (ATP) model for TFT-LCD production chain”, The 14th International Conference on Industrial Engineering and Engineering Management (IE&EM’07), Tianjin, China Oct. 2007
  56. Cheng-Hung Wu, Douglas Down, and Mark E. Lewis, “Heuristics for Resource Allocation in a Serial Line with Reliability Considerations”, INFORMS Annual Meeting, Pittsburgh, United States (invited) Nov. 2006
  57. Mark E. Lewis and Cheng-Hung Wu, “Flexible Resource Allocation in Complex Processing Networks with Reliability Considerations”, 2006 NSF Design, Service, and Manufacturing Grantees and Research Conference, St. Louis, Missouri, United States (invited) Jul. 2006
  58. Mark E. Lewis and Cheng-Hung Wu, "Dynamic Allocation of Flexible Resources in a Serial Line with Reliability Considerations", INFORMS Annual Meeting, San Francisco, United States (invited) Nov. 2005
  59. Mark E. Lewis, Cheng-Hung Wu and Michael Veatch, "Dynamic Allocation of Reconfigurable Resources with Reliability Considerations", Thirteenth INFORMS Applied Probability Conference, Ottawa, Canada Jul. 2005
  60. Cheng-Hung Wu and Mark E. Lewis “Dynamic Part Re-routing and Scheduling with Reliability Considerations”, ERC TAC meeting, Michigan, United States Apr. 2005
  61. Cheng-Hung Wu and Mark E. Lewis, "Dynamic Resources Allocation in a Tandem Oct. 2004

- Queueing with Reliability Considerations”, INFORMS Annual Meeting, Denver, Colorado, United States (invited)
62. Cheng-Hung Wu and Mark E. Lewis “Dynamic Resources Allocation in a Tandem Queueing System with Server Configuration Costs”, ERC TAC meeting, Michigan, United States Oct. 2004
63. Cheng-Hung Wu and Mark E. Lewis “Reconfigurable Resources Allocation in Tandem Queueing Systems”, ERC TAC meeting, Michigan, United States Oct. 2003

### Domestic Conference Proceedings and Presentations (Last Update: Jan. 2019)

1. 邱繼群、楊洋、吳政鴻, “科技演進不確定之產品線決策”, 2018 第十四屆台灣作業研究學會年會暨國際研討會及第十六屆管理學術研討會, 台中 Nov 2018
2. 陳聖歲、吳政鴻, “基於神經網路的時間限制下動態價格決策”, 工業工程學會年會, 高雄 Dec. 2017
3. 呂思達、陳彥劭、吳政鴻, “自動物料搬運系統分散式優化”, 工業工程學會年會, 高雄 Dec. 2017
4. 唐靚容、孫巧儒、吳政鴻、宋經天, “結合機器學習與統計預測之動態庫存管理”, 台灣作業研究學會年會暨學術研討會, 桃園 Oct. 2017
5. 姚怡均、吳政鴻、余承歡, “考量即時機台健康資訊下非等效平行機台生產系統之動態排程與預防保養策略”, 決策分析研討會, 新竹 Jan. 2017
6. 丁奕如、吳政鴻、藍俊宏, “半導體元件特性與系統組裝不良率之相關性分析”, 決策分析研討會, 新竹 Jan. 2017
7. 周芳屹、吳政鴻, “基於神經網路的生產系統控制”, 決策分析研討會, 新竹 Jan. 2017
8. 楊儒旻、吳政鴻、林志杰、朱智寬, “生產系統能耗與排程管理”, 科技管理學會論文研討會, 台中 Nov. 2016
9. 呂儒、吳政鴻, “零售業者來客率預測：以台北市大安區為例”, 科技管理學會論文研討會, 台中 Nov. 2016
10. 姚怡均、吳政鴻, “考量即時機台健康資訊下非等效平行機台製造系統之動態排程”, 台灣作業研究學會年會暨學術研討會, 台北 Oct. 2016
11. 邱繼群、吳政鴻, “科技演進不確定下之研發與產品線決策”, 決策分析研討會, 新竹 Jan. 2016
12. 何江中匯、吳政鴻, “結合飢餓行銷模式之定價與產能規劃研究”, 決策分析研討會, 新竹 Jan. 2016
13. 蕭諭陽、吳政鴻、吳典育, “靜脈支架手術癒後差異性分析”, 決策分析研討會, 新竹 Jan. 2016
14. 陳渝婷、吳政鴻, “作業等候時間限制下之共用下游產能多產品製造系統控制”, 台灣作業研究學會年會, 臺北 Oct. 2015
15. 方思云、吳政鴻, “考慮營運資金限制的產能規劃”, 決策分析研討會, 新竹 Jan. 2015
16. 高源懋、吳政鴻、鄭世盼, “考量平行輸入影響下分權式供應鏈管理”, 決策分析研討會, 新竹 Jan. 2015
17. 高源懋、吳政鴻、鄭世盼. “分權式供應鏈系統下平行輸入產品分析”, 工業工程學會年會, 新北 Dec. 2014
18. 許文蘭、吳政鴻, “產能規劃與合作關係管理研究”, 決策分析研討會, 新竹 Jan. 2014
19. 吳政鴻、吳鈺芳, “考慮轉換成本及市占率之新產品動態定價策略”, 作業研究學會年會, 新竹 Oct. 2013
20. 潘柏辰、吳政鴻, “作業等候時間限制下之兩產品製造系統控制”, 作業研究學會年會, 新竹 Oct.. 2013



21. 沈君寬、吳政鴻, “考慮消費者行為之新產品預告策略研究”, 決策分析研討會, 桃園 Jan. 2013
22. 黃嘉博、吳政鴻, “二階供應鏈之產能與合作關係管理”, 工業工程學會年會, 彰化 Dec. 2012
23. 周吟霞、吳政鴻, “具回流性質之醫療系統允入控制”, 工業工程學會年會, 彰化 Dec. 2012
24. 吳政鴻、王琮銘, “考慮現貨市場之長期供應契約設計”, 決策分析研討會, 新竹 Jan. 2012
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