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Dept/Fields: Decision Sciences

Academic Qualification

2002-2006 Ph.D.: Arizona State University, Industrial Engineering;
1996-1999 Master: Xiamen University, Systems Engineering;
1992-1996 BS: Xiamen University, Systems Engineering.

Working Experience

2013-Present Associate Professor / Macao University of Science and Technology
2006-2013 Assistant Professor / Macao University of Science and Technology

Teaching Activities

Business Forecasting, Advanced Operations Management, Quality Management, Research Methodology

Research Interest

Behavioral operations management, Modeling and Simulation, routing and scheduling
Applied Statistics

Selected Journal Papers (*corresponding author indicated with * and students with ^s*)

- Nie, T., Cai, M. ^s, & Chen, Y. * (2023). An Investigation of Helicopter Parenting and Interpersonal Conflict in a Competitive College Climate. In *Healthcare* (Vol. 11, No. 10, p. 1484).
- Li, X., Wu, M. ^s, Shi, C., & Chen, Y. * (2023). Impacts of green credit policies and information asymmetry: From market perspective. *Resources Policy*, 81, 103395.

- Zhang, j.^s, Kuo, Y.H., Li, X., & Chen, Y.* (2021). Coordinating Supply Chain Financing for E-commerce Companies through a Loan Contract. *SAGE Open*, 11(4), 21582440211065455. [SSCI, 2021 IF: 2.032, ranking: 53/111 in SOCIAL SCIENCES, INTERDISCIPLINARY, Q2]
- **Chen, Y.**, Tang, T.^s, Li, Y., & Fan, D.* (2021). Does Interest Alignment between Hotels and Online Travel Agencies Intensify Review Manipulations? *Industrial Management & Data Systems*, Accepted. [SCI, 2021 IF: 4.803, ranking: 20/50 in ENGINEERING, INDUSTRIAL, Q2]
- Kuo, Y. H., Balasubramanian, H., & **Chen, Y.*** (2020). Medical Appointment Overbooking and Optimal Scheduling Tradeoffs between Schedule Efficiency and Accessibility to service. *Flexible Services and Manufacturing Journal*, 1-30. [SCI]
- **Chen, Y.**, Kuo, Y. H.*, Fan, P.^s, & Balasubramanian, H. (2018). Appointment overbooking with different time slot structures. *Computers & Industrial Engineering*, 124, 237-248. [SCI]
- **Chen, Y.**, Tang, H.*, Nie, T., & Lin, X.^s (2015). Integration of Congestion-related Emissions in a Transit Bus Scheduling Problem During Rush Hours. *Environmental Engineering & management Journal*, 14(8). [SCI]
- **Chen, Y.***, Pfund, M.E., Montgomery, D.C. and Fowler, J.W. (2010). Robust Scaling Parameters for Composite Dispatching Rules, *IIE Transactions* , 42(11) · 842-853 [SCI]
- Pfund, M.E., Fowler, J.W.*, Gadkari, A., and **Chen, Y.** (2008). Scheduling jobs on parallel machines with ready times and setup times, *Computers & Industrial Engineering*, 54, 764 – 782 [SCI]
- **Chen, Y.**, Toni, F. and Ye, N.* (2004). Quality of service requirements of network applications on the internet, *Information · Knowledge · Systems Management*, 4, 55-76

Major Conference Papers (*students indicated with ^s*)

- Li, Y.^s, **Chen, Y.**, Guo, G.^s, Wu, H.^s, & Yuan, Z. (2022). Integrated routing for a vehicle-robot pickup and delivery system with time constraints. arXiv preprint arXiv:2202.04550, Best Oral Presentation.
- Li, C. N.^s, **Chen, Y.**, Luan, H. J.^s, Wang, L. S.^s, Sun, L. X.^s, Wang, T. X.^s, & Li, X. (2020, December). Launch Strategies for Upgraded Products with Consideration of Self cannibalization. In 2020 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) (pp. 166-170). IEEE, shortlisted for the best paper (top 3%).
- Tang, T.^s, Huang, L.^s, & **Chen, Y.** (2020, December). Evaluation of Chinese Sentiment Analysis APIs Based on Online Reviews. In 2020 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) (pp. 923-927). IEEE.

- Liu, Y. ^s, Li, Q. Y. ^s, & **Chen, Y.** (2020, December). What Makes Consumers More Strategic? Evidence from an Experimental Study. In 2020 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) (pp. 660-664). IEEE.
- Fang, Y. ^s, **Chen, Y.**, & Li, X. (2017, December). Joint decision making about price and duration of discount airfares. In 2017 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) (pp. 31-34). IEEE.
- Fan, P., Fan, D. ^s, Kuo, Y. H., & **Chen, Y.** (2016, December). Modeling and evaluation of overbooking rules for primary health care clinic with different patient behavior. In 2016 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) (pp. 861-865). IEEE.
- **Chen, Y.**, Kuo, Y. H., Balasubramanian, H., & Wen, C. (2015, December). Using simulation to examine appointment overbooking schemes for a medical imaging center. In Proceedings of the 2015 Winter Simulation Conference (pp. 1307-1318). IEEE Press.
- **Chen, Y.**, Zhang, J. ^s, Yang, Y. ^s, Li, X., & Kuo, Y. H. (2014, July). 3-Party Loan Contract Based Purchase-Order Financing. In 2014 Seventh International Joint Conference on Computational Sciences and Optimization (pp. 163-167). IEEE.
- **Chen Y.**, Chow K.H. , and Nie T. (2012). The ways for improving the operations of hospital industry- The case in Macau. International Conference on Low-carbon Transportation and Logisticss, and Green Buildings, Beijing, China, 2012
- **Chen Y.**, Fowler, J.W., Wu T., Callarman T., Ambrose E. and Hargaden V. (2006). An adaptive distributed simulation framework for a server fulfillment supply chain. The 2nd IEEE Conference on Automation Science and Engineering (CASE 2006), Shanghai, China, October, 2006

Research Projects

2019 - 2021	Service Operations Management with Bounded Rational Consumers under Sharing Economy
2020 - 2020	新冠肺炎疫情對澳門居民生活模式的影響
2018 - 2019	就社會須具備什麼條件才能開展工會法的討論調研服務
2014 – 2017	Simulation Optimization for Health-care Management: A Polyhedral Investigation
2013 – 2015	Travel Demand Survey of Residents in Public Housings
2010 - 2015	Annual survey on taxi service level and passenger satisfaction in Macau
2009 – 2011	Evaluate economic impacts of MICE(meetings, incentives, conventions and exhibitions) tourism on Macao
2009 – 2010	Evaluation of Socioeconomic Impacts of Macao LRT
2005 – 2006	Distributed Decision Support Framework for Adaptive Supply Chain
2004 - 2005	Dynamic Business Rules for Supply Chain Optimization
2003 – 2004	Scheduling of Semiconductor Wafer Fabrication Facilities