

# ***Michael Chuan Pang***



Position : Professor  
Faculty : **Rector's Office / School of Graduate Studies / School of Business**  
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## ***Teaching and Research Areas :***

Management Science, Statistics, Information Systems, E-Commerce

## ***Academic Qualifications***

2000.9 – 2003.7 Ph.D / Management Science and Engineering /Fudan University  
1996.9 – 1999.7 Master / Management Science /Fudan University  
1989.9 – 1993.7 Bachelor / Physical Electronics /Fudan University

## ***Teaching Experiences***

2016.3 - Present Vice President / Macau University of Science and Technology  
2013.9 - Present Dean of School of Graduate Studies / Macau University of Science and Technology  
2017.9 – 2019.4 Dean of Faculty of Hospitality and Tourism Management / Macau University of Science and Technology  
2015.9 – 2017.1 Director of Institute for Social and Cultural Research/ Macau University of Science and Technology  
2013.7 Professor / School of Business / Macau University of Science and Technology  
2013.7 – 2016.3 Associate Vice President / Rector's Office / Macau University of Science and Technology  
2009.7 – 2016.3 Associate Dean / School of Business / Macau University of Science and Technology  
2007.7 – 2013.6 Associate Professor / School of Business / Macau University of Science and Technology  
2003.8 – 2007.6 Assistant Professor / School of Business/ Macau University of Science and Technology  
2001.9 – 2002.6 Lecturer / School of Business/ Macau University of Science and Technology

## ***Representative Publications***

### ***Journal Articles:***

1. Fan Zeng, Chuan Pang, Huajun Tang, The impacts of natural marine disasters on shipping industry in China: An event study, *Journal of Sea Research*, Volume 204, 2025.
2. Zheng Wan, Anwei Nie, Jihong Chen, Chuan Pang, Yusheng Zhou, Transforming ports for a low-carbon future: Innovations, challenges, and opportunities, *Ocean & Coastal Management*, Volume 264, 2025.
3. Jihong Chen, Yulong Zhang, Jia Shi, Chuan Pang, Siyang She, Xizhi Chen, Jianghao Xu, Cost-benefit analysis of ships NOx Emission Control Areas (NECA) along China's coastal area, *Marine Pollution Bulletin*, Volume 215, 2025.

4. Quande Qin, Lan Luo, Fengjie Liao, Yongzhang Liu, Jihong Chen, Chuan Pang, Tracking offshore wind technological evolution through patent text mining: A macro-micro analysis framework, *Ocean & Coastal Management*, Volume 269, 2025.
5. Xin Li, Hari Balasubramanian, Yan Chen, Chuan Pang, Managing conflicting revenue streams from advertisers and subscribers for online platforms, *European Journal of Operational Research*, Volume 314, Issue 1, 2024, Pages 241-254.
6. Yuxin Huang; Yanwei Chen; Chuan Pang; Huajun Tang, Optimisation of evacuation and emergency materials distribution under natural disaster, *International Journal of Shipping and Transport Logistics (IJSTL)*, Vol. 18, No. 2, 2024.
7. Zeng, F., Pang, C., & Tang, H. (2024). Sensors on Internet of Things Systems for the Sustainable Development of Smart Cities: A Systematic Literature Review. *Sensors*, 24(7), 2024.
8. Xu, Y., Tian, Y., Pang, C., & Tang, H. (2024). Manufacturer vs. Retailer: A Comparative Analysis of Different Government Subsidy Strategies in a Dual-Channel Supply Chain Considering Green Quality and Channel Preferences. *Mathematics*, 2024, 12(10), 1433.
9. Yuxin Huang, Pengfei He, T.C.E. Cheng, Senyu Xu, Chuan Pang, Huajun Tang, Optimal strategies for carbon emissions policies in competitive closed-loop supply chains: A comparative analysis of carbon tax and cap-and-trade policies, *Computers & Industrial Engineering*, Volume 195, 2024.
10. 胡波, 萧展辉, 庞川, 毛承洁. 基于改进 BP 网络和 AHP 模型的区域多能系统协同优化方法. *沈阳工业大学学报*. 2023, 45(2): 193-199 <https://doi.org/10.7688/j.issn.1000-1646.2023.02.13>
11. Wang, XP, Lai, IKW, Tang, HJ, Pang, C, Coordination Analysis of Sustainable Dual-Channel Tourism Supply Chain with the Consideration of the Effect of Service Quality, *SUSTAINABILITY*, Published 2022, Volume 14, Issue 11, SCI/SSCI
12. Gui, Renzhou, Zheng, Huilin, Ji, Xiaohong, Chen, Tongjie, Pang, Chuan, Liu, Chengkun , Sustainable Development of Urban Agglomeration Industrial Layout Based on Big Data and Deep Learning, *Progress in Electromagnetics Research Symposium*[1559-9450], Published 2021, Volume 2021-November, Pages 2492-2498 , SCI
13. Li, X, Lian, ZT, Pang, C, Efficient coordination of supply contracts with demand learning and two production modes, *INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS*[0925-5273], Published 2020, Volume 225, SCI
14. Morente-Molinera, JA, Kou, G, Pang, C, Cabrerizo, FJ, Herrera-Viedma, E, An automatic procedure to create fuzzy ontologies from users' opinions using sentiment analysis procedures and multi-granular fuzzy linguistic modelling methods, *INFORMATION SCIENCES*, Published 2019, Volume 476, Pages 222-238, SCI
15. Huang, Y, Wang, K, Zhang, T, Pang, C, Green supply chain coordination with greenhouse gases emissions management: a game-theoretic approach, *JOURNAL OF CLEANER PRODUCTION*, Published 2016, Volume 112, Pages 2004-2014
16. Qing Yang, Chuan Pang, Liu Liu, David C. Yen, J. Michael Tarn, Exploring Consumer Perceived Risk and Trust for Online Payments: An Empirical Study on China's Younger Generation, *Computers in Human Behavior*, Volume 50, September 2015, Pages 9-24, SSCI/SCI
17. Huajun Tang, Chuan Pang, C.T. Ng, Optimization of Vehicle Population and Reduction of CO2 Emission, *International Journal of Shipping and Transport Logistics*, 2014, 6(4): 412-421, SSCI
18. Mong-Yuan Chang, Kuanchin Chen, Chuan Pang, Chien-Min Chen, David C. Yen, "A Study on the Effects of Service Convenience and Service Quality on Maintenance Revisit Intentions",

- Computer Standards & Interfaces, Vol. 35, Issue 2, February 2013. SCI
19. Chuan Pang, Hsing Hung Chen, "Evolution of Dynamic Manufacturing Systems and its Corresponding Operations Priorities and Corporate Performance", *Advances in Information Sciences and Service Sciences*, Vol. 4, No. 18, 2012. EI
  20. Chuan Pang, Hsing Hung Chen, "Learning Effects of Environmental Management Systems on the Performance of IT Manufacturing Enterprises", *Advances in Information Sciences and Service Sciences*, Vol. 4, No. 17, 2012. EI
  21. Chao Ma, Chuan Pang and Hsing Hung Chen, "The Development of Information Systems and its Corresponding Financial Operations and Corporate Performance", *Information: an International Interdisciplinary Journal*, 15(2), 2012. SCI
  22. Hsing Hung Chen, Chuan Pang, "Organizational forms for knowledge management in photovoltaic solar energy industry", *Knowledge-Based Systems*, 23, 2010. SCI
  23. J. Michael Tarn, Chuan Pang, David C. Yen, Jon Chen, "Exploring the implementation and application of Bluetooth technology in the shipping industry", *Computer Standards & Interfaces* 31 (2009), 48-55. SCI
  24. Chuan Pang, David C. Yen, J. Michael Tarn, "Exploring online shoppers' e-trust in China", *Human Systems Management*, Vol. 26, 2007, 193-198. EI
  25. Chuan Pang, Zhengchuan Xu, J. Michael Tarn, "A web services based framework for knowledge management in a peer-to-peer environment", *Communications of the ICISA*, Vol. 8(1), 2006, 39-54
  26. 龐川,《經濟適度多元化發展:政策導向與實施途徑》,發表於《澳門經濟社會發展報告(2015~2016)》(主編:吳志良、郝雨凡),社會科學文獻出版社,2016年6月第1版
  27. 龐川、宋宇,《澳門旅客消費(不含博彩業)的現狀、特徵及對策》,發表於《澳門旅遊休閒發展報告(2017~2018)》(主編:林廣志、郝雨凡),社會科學文獻出版社,2017年5月第1版
  28. 龐川、宋宇,《澳門旅客消費(不含博彩業)的現狀、特徵及對策》,發表於《澳門旅遊休閒發展報告(2017~2018)》(主編:林廣志、郝雨凡),社會科學文獻出版社,2018年6月第1版;
  29. 龐川、宋宇,《澳門旅客消費(不含博彩業)的現狀、特徵及對策》,發表於《澳門旅遊休閒發展報告(2018~2019)》(主編:林廣志),社會科學文獻出版社,2019年10月第1版。
  30. 龐川,《為澳門青年參與大灣區建設創造條件》,發表于《粵港澳大灣區發展報告(2018~2019)》(主編:龐川、林廣志),廣東人民出版社,2019年9月第1版
  - 31.

*Academic Books / Monographs:*

- 龐川、林廣志(主編),《粵港澳大灣區發展報告(2018~2019)》,廣東人民出版社,2019年9月第1版
- 龐川,《電子商務商業模式研究》,澳門科技大學出版社,ISBN 978-99937-53-12-4,2007年

*Book Chapters:*

- 管理信息系統(原書第9版),機械工業出版社,ISBN:7-111-21589-9,翻譯第5、6、7、8章

### *Conference Proceedings:*

1. Matthew Tingchi Liu, Michael Chuan Pang, "A Research Note on The Practical 10 Ps for Internet Marketing", *Advances in Information Theories and Technologies (English Part)*, ISBN: 9787121040788, 42-47
2. Chuan Pang, "Factors Affecting Consumers' Trust Building in B-to-C e-Commerce Market of China", *Joint Conference on Information Systems*, Salt Lake City, USA, 2005/07
3. Chuan Pang, "An empirical study on the factors affecting consumers' trust building in B-to-C e-Commerce Markets of China", *5th International Conference on Management*, Vol.1, May 2004. ISBN: 99937-53-07-6, 540-548

### *Research Projects*

2018	“澳門特別行政區五年發展規劃(2016-2020 年)”社會評估之問卷調查{澳門特別行政區政策研究室(現稱政策研究和區域發展局)}
2018	2017“社區消費無限 Fun”消費者與商戶意見調查服務調研服務(經濟局)
2018	澳門非高等教育階段「國民教育」調查研究(澳區全國政協委員)
2018	澳門特區政府危機管理模式調查研究(行政公職局)
2017	澳門居民食品安全風險認知研究{民政總署(現稱市政署)}
2017	粵澳養老保險關係銜接研究(社會保障基金)
2017	澳門特別行政區能源效益狀況 2017(能源業發展辦公室)
2017	中國銀行澳門分行自助設備和中銀卡使用情況調查研究(中國銀行澳門分行)
2016	中國銀行澳門分行客戶滿意度調查(中國銀行澳門分行)
2016	“市民對經濟適度多元化”的意見調查(澳門發展策略研究中心)
2014 - 2015	Research on Macao Human Resources(II) (Macao Foundation)
2013 - 2014	Research on Macao Human Resources(I) (Macao Foundation)
2008 - 2010	Research on the Risk Management and Risk Supervision of Internet Payment based on Consumer Behavior (National Natural Science Foundation of China)
2005 - 2007	Study on E-Commerce Business Models (Macao Science and Technology Foundation)
2001 - 2003	Study on Development Level and Strategy of Informatization in Macao (Macao Foundation)

### *Membership of Government, Academic Associations and community service*

1. Chairman, Committee for the Evaluation of Public Services and Organizational Performance of Macao
2. Member, Review Committee of the Macao Youth Entrepreneurship Aid Scheme
3. Standing Committee Member, Jiangxi Provincial Committee of the Chinese People's Political Consultative Conference
4. President, Macao International Information Systems Association
5. President, Macao Society for Industrial and Applied Mathematics
6. Executive Vice Chairman and Secretary-General, Macao Higher Education Development Promotion Association
7. President, Macao Association for Innovation, Intelligence and Development Research
8. President, Guangdong-Hong Kong-Macao Greater Bay Area Chinese Vocational Education Society

***Professional Qualifications and Awards***

1. CPA Australia
2. 1st Teaching Excellence Award, Macau University of Science and Technology