

# 陳東榮



職稱：副院長、教授  
學院：商學院  
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## 教育背景

1982-1986 博士：英國倫敦大學帝國理工學院，柔性製造系統  
1981-1982 碩士：英國倫敦大學帝國理工學院，高等應用力學  
1979-1981 學士：英國佈萊頓大學，機械工程

## Working Experience

2022-present 副院長及教授，商學院，澳門科技大學  
2009-2022 副教授/教授/副院長（科研）/副系主任/ 香港理工大学工业及系统工程学系  
1996-2009 讲师/副教授/ 香港大学工业及制造系统工程学系  
1988-1996 讲师/资深讲师/ 南澳大学（澳洲）制造及机械工程学院  
1986-1988 研究员，思克莱德大学（英国）设计，制造及工程管理系

## 教學活動

項目管理  
運籌學  
生產與運營管理  
供應鏈管理

## 研究領域

優化  
調度運籌  
決策科學  
物流與供應鏈管理

### 學術期刊論文 (1/9/2021 – 31/8/2024) 最近 3 年

- (1) \*Orisaremi, K. K., Chan, F. T. S., & Chung, N. S. H. (2021). Potential reductions in global gas flaring for determining the optimal sizing of gas-to-wire (GTW) process: An inverse DEA approach. *Journal of Natural Gas Science and Engineering*, September, Vol. 93, [103995].
- (2) Qian, Xiaohu , Yin, Mingqiang , Chan, F.T.S., Zhang, J. and Huang, M. (2021), Sustainable-responsive winner determination for transportation service procurement auctions under accidental disruptions, *Journal of Cleaner Production*. October, Vol. 320, No. 20, 128833.
- (3) Qin, Y., Ng, K.K.H., Hu, H., Chan, F.T.S. and Xiao, S.H. (2021), Post disaster management an airport: a coordination and optimisation of runway and hangar resources for relief cargo transports, *Advanced Engineering Informatics*, October, Vol. 50, 101403.
- (4) Shaban, I.A., Chan, F.T.S., Chung, S.H. and Qu, T. (2021), A mixed wholesale-option-contract to fix the demand imbalance between substitutable air cargo routes: a cooperative game approach, *Expert Systems With Applications*, Vol. 182, November, 2021, 115300.
- (5) Hui, J.H., Yan, Z., Lv, J., Liu, Y., Ding, K. and Chan, F.T.S. (2022), An Investigation on Energy Consumption and part Quality of Stereolithography Apparatus Manufactured Parts, *Rapid Prototyping Journal*, January, Vol. 28, No. 1, pp. 52–67.
- (6) Prakash, S., \*Jasti, N.V.K., Chan, F.T.S., Nilaiish, Sharma, V.P. and Sharma, L.K. (2022), Decision Modelling of Critical Success Factors for Cold Chains using the DEMATEL approach: A case study, *Measuring Business Excellence*, August, Vol. 26, No. 3, pp. 263-287.
- (7) Wu, S.M., \*Chan, F.T.S. and Chung, S.H. (2022), A Study on Green Supply Chain Under Capital Constraint Considering Time-Varying Salvage Value, *International Journal of Production Research*, Vol. 60, No. 1, pp. 8-24. Published online: 04 Oct 2021.
- (8) Huang, C., \*Chan, F.T.S. and Chung, S.H. (2022), Recent contributions on supply chain finance: Towards a theoretic and practical research agenda, *International Journal of Production Research*, Vol. 60, No. 2, pp. 493-516. Published online: 30 Aug 2021.
- (9) \*Zhou, F., He, Y., Chan, F.T.S. (2022), Joint Distribution Promotion by Interactive Factor Analysis using an Interpretive Structural Modeling Approach, *SAGE Open*, January-March 2022, pp. 1–16.

- (10) Zhu, B., Zhang, Y., \*Ding, K., \*[Chan, F.T.S.](#), Hui, J. and Zhang, F. (2022), Lot-sizing Decisions for Material Requirements Planning with Hybrid Uncertainties in a Smart Factory, *Advanced Engineering Informatics*, January, Vol. 51, 101527.
- (11) Yang, D., Yin, W., \*Liu, S. and \*[Chan, F.T.S.](#) (2022), Understanding the Effect of Multi-Agent Collaboration on the performance of Logistics Park Projects: Evidence from China, *Sustainability*, March, Vol. 14, Issue 7, 4179.
- (12) Zhou, J., Rao, S., Gao, L., Lu, C., \*Zheng, J. and \*[Chan, F.T.S.](#) (2022), Self-regulated bi-partitioning evolution for many-objective optimization, *Information Sciences*, April, Vol. 589, pp. 827-848.
- (13) Prajapati, D., \*[Chan, F.T.S.](#), Chelladurai, H., Lakshay, L. and Pratap, S. (2022), An IoT embedded Sustainable Supply Chain management of B2B E-commerce. *Sustainability*. April, Vol. 14, No.9, 5066.
- (14) Zhang, X., \*[Chan, F.T.S.](#) and \*Mahadevan, S. (2022), Explainable Machine Learning in Image Classification Models: An Uncertainty Quantification Perspective, *Knowledge-Based Systems-SI*, Vol. 243, May, 108418.
- (15) Wu, S.M., \*[Chan, F.T.S.](#) and Chung, S.H. (2022), The impact of buyback support on financing strategies for a capital-constrained supplier, *International Journal of Production Economics*, Vol. 248, June, 108457.
- (16) Irfan, I.A., Sumbal, M.S.U.K., Khurshid, F. and \*[Chan, F.T.S.](#) (2022), Towards a Resilient Supply Chain Model: Critical Role of Knowledge Management and Dynamic Capabilities, *Industrial Management and Data Systems*, May, Vol. 122, No. 5, pp. 1153-1182.
- (17) \*Zhang, X., [Chan, F.T.S.](#), Yan, C. and Bose, I. (2022), Towards risk-aware artificial intelligence and machine learning systems: An overview, *Decision Support Systems*, Vol. 159, August, 113800.
- (18) Zheng, S., \*Wang, K., [Chan, F.T.S.](#), Fu, X. and Li, Z.C. (2022), Subsidy on transport adaptation investment-Modeling decisions under incomplete information and Ambiguity, *Transportation Research Part B: Methodological*, Vol. 162, August, pp. 103-129

- (19) Xu, X., Ji, P. and \*Chan, F.T.S. (2022), Loss-averse buyers' optimal procurement decision in a multi-sourcing under e-commerce surroundings, *Industrial Management and Data Systems*, Aug. Vol. 122, No. 8, pp. 1787-1815.
- (20) Wu, S.M., \*Chan, F.T.S. and Chung, S.H. (2022), The Influence of Positive and Negative Salvage Values on Supply Chain Financing Strategies, *Annals of Operations Research*, Vol. 315, pp. 535-563.
- (21) Prajapati, D., \*Chan, F.T.S., Daultani, Y. and Pratap, S. (2022), Sustainable Vehicle Routing of Agro-Food grains in the E-commerce industry, *International Journal of Production research*, Vol. 60, Issue 24, Dec., pp. 7319-7344.
- (22) Huang, C., \*Chan, F.T.S. and Chung, S.H. (2022), The Impact of Payment Term Extensions on the Working Capital Management of an Automotive Supply Chain, *International Journal of Production research*, Vol. 60, Issue 24, Dec., pp. 7360-7383.
- (23) Kushwaha, S., \*Chan, F.T.S., Chakraborty, K. and Pratap, S. (2022), Collection and Remanufacturing Channels Selection under a Product Take-Back Regulation with Remanufacturing Target, *International Journal of Production research*, Vol. 60, Issue 24, Dec., pp. 7384-7410.
- (24) Goswami, M., Daultani, Y., \*Chan, F.T.S. and Pratap, S. (2022), Assessing the Impact of Supplier Benchmarking in Manufacturing Value Chains: An Intelligent Decision Support System for Original Equipment Manufacturers, *International Journal of Production research*, Vol. 60, Issue 24, Dec., pp. 7411-7435.
- (25) Eltoukhy, A.E.E., \*Wang, Z.X., Shaban, I.A. and \*Chan, F.T.S. (2022), Coordinating aircraft maintenance routing and integrated maintenance staffing and rostering: A Stackelberg game theoretical model, *International Journal of Production research*, Vol. 60, Issue 24, Dec., pp. 7450-7474.
- (26) Dwivedi, A., Madaan, J., \*Chan, F.T.S. and Dalal, M. (2023), A comparison study of GA and PSO approach for cost optimization in Product Recovery System, *International Journal of Production research*, Vol. 61, Issue 4, Feb., pp. 1283-1297.
- (27) Orisaremi, K.K., \*Chan, F.T.S., Chung, S.H. and Fu, X. (2022), A sustainable lean production framework based on inverse DEA for mitigating gas flaring, *Expert Systems With Applications*, November, Vol. 206, 117856.

- (28) Xu, X., Ji, P. and \*[Chan, F.T.S.](#) (2022), On maximizing a loss-averse buyer's expected utility in a multi-sourcing problem, *Mathematics and Computers in Simulation*, December, Vol. 202, pp. 388-404.
- (29) Liu, S., He, X.J., \*[Chan, F.T.S.](#) and \*Wang, Z. (2022), An Extended Multi-Criteria Group Decision-Making Method with Psychological Factors and Bidirectional Influence Relation for Emergency Medical Supplier Selection, *Expert Systems With Applications*, September, Vol. 202, 117414.
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- (31) Kumar, A., \*Misra, S.C. and \*[Chan, F.T.S.](#) (2022), Leveraging AI for advanced analytics to forecast altered tourism industry parameters: A Covid - 19 motivated study, *Expert Systems With Applications*, December, Vol. 210, 118628.
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- (33) Qu, S., Xu, L., Mangla, S.K., \*[Chan, F.T.S.](#), Zhu, J. and Arisian S. (2022), Matchmaking in Reward-Based Crowdfunding Platforms: A Hybrid Machine Learning Approach, *International Journal of Production research*, December, Vol. 60, Issue 24, pp. 7551-7571.
- (34) Zhou, T., Zhang, L., Han, T., Droguett, E.L., Mosleh, A. and \*[Chan, F.T.S.](#) (2023), An Uncertainty-Informed Framework for Trustworthy Fault Diagnosis in Safety-Critical Applications, *Reliability Engineering and System Safety*, January, Vol. 229, 108865.
- (35) Shardeo, V., Madaan, J. and \*[Chan, F.T.S.](#) (2022), An Empirical Analysis of Freight Mode Choice Factors amid the COVID-19 Outbreak, *Industrial Management and Data Systems*, Nov, Vol. 122, No. 12, pp. 2783-2805.
- (36) Li, J., Zhang, X., \*Zhou, Q., \*[Chan, F.T.S.](#) and Hu, Z. (2022), A feature-level multi-sensor fusion approach for in-situ quality monitoring of selective laser melting, *Journal of Manufacturing Process*, Vol. 84, December, pp. 913-926.

- (37) Kehinde, T.O., \*[Chan, F.T.S.](#) and Chung, S.H. (2023), Scientometric review and analysis of recent approaches to stock market forecasting: Two decades survey, *Expert Systems With Applications*, March, Vol. 213, Part C, 119299.
- (38) Goswami, M., \*[Chan, F.T.S.](#), Ramkumar, M., Daultani, Y., Pratap, S. and Chhabra, A. (2023), A joint modeling and exploratory framework for intra-firm collaboration within construction and mining equipment industry, *Industrial Management and Data Systems*, February, Vol. 123, No. 2, pp. 451-491.
- (39) Orisaremi, K.K., \*[Chan, F.T.S.](#), Chung, S.H. and Fu, X. (2023), Maximizing flare gas power generation for the design of an optimal energy mix, *Journal of Cleaner Production*, March, Vol. 391, 136164.
- (40) Xu, X., Ji, P. and \*[Chan, F.T.S.](#) (2023), Retailers' optimal ordering policies for a dual-sourcing procurement, *Industrial Management and Data Systems*, March, Vol. 123, No. 3, pp. 1052-1072.
- (41) Zhang, Y., Zhang, D., \*Zhang, X., Qiu, L., [Chan, F.T.S.](#), Wang, Z. and Zhang, S. (2023), Guided Probabilistic Reinforcement Learning for Sampling-Efficient Maintenance Scheduling of Multi-Component System, *Applied Mathematical Modelling*, July, Vol. 119, pp. 677-697.
- (42) Eltoukhy, A.E.E., \*Hussein, M., Xu, M. and \*[Chan, F.T.S.](#) (2023), Data-driven Game-theoretic Model Based on Blockchain for Managing Resource Allocation and Vehicle Routing in Modular Integrated Construction, *International Journal of Production research*, July, Vol. 61, No. 13, pp. 4472-4502.
- (43) Zhang, Q., \*[Chan, F.T.S.](#) and Fu, X. (2023), Improved ant colony optimization for the operational aircraft maintenance routing problem with cruise speed control, *Journal of Advanced Transportation*, Vol. 2023, 18 pages.
- (44) Zhang, Q., \*[Chan, F.T.S.](#), Chung, S.H. and Fu, X. (2024), Operational aircraft maintenance routing problem incorporating cruise speed control, *Engineering Optimization*, Vol. 56, No. 1, pp. 76-95.
- (45) Zhou J., Rao, S., \*Gao, L., Zhang, C., Tang, H., Li, Y. and [Chan, F.T.S.](#), (2023) Solving many-task optimization problems via online intertask learning, *Expert Systems With Applications*, September, Vol. 225, 120110.

- (46) \*[Chan, F.T.S.](#) and Ding, K. (2023), Industrial Intelligence-driven Production and Operations Management, *International Journal of Production research*, July, Vol. 61, No. 13, pp. 4215–4219.
- (47) Luo, G., \*[Liu, X.](#) and \*[Chan, F.T.S.](#) (2023), Optimal ordering decisions in portfolio procurement considering the spot price fluctuation, *Sustainability*, July, Vol. 15, No. 14, 11169
- (48) Qian, X., \*[Yin, M.](#), \*[Chan, F.T.S.](#) and Yue, K. (2023), Winner determination with sustainable-flexible considerations under demand uncertainty in transportation service procurement auctions, *Journal of Networks and Spatial Economics*, December, Vol. 23, pp. 953–984.
- (49) Zhang, J.H., \*[Chan, F.T.S.](#) and \*[Xu, X.](#) (2023), Data-driven analysis on optimal purchasing decisions in combined procurement, *International Journal of Production research*, July, Vol. 61, No. 13, pp. 4265-4278.
- (50) Ng, K.K.H., \*[Chan, F.T.S.](#), [Qin, Y.](#) and [Xu, G.](#) (2023), The Impacts of longitudinal separation, efficiency loss and cruise speed adjustment in robust terminal traffic flow problem under uncertainty, *Transportation Letters: The International Journal of Transportation Research*, July, Vol. 15, Issue 6, pp. 584-607.
- (51) Irfan, I., [Au, A.K.M.](#), [Khurshid, F.](#) and \*[Chan, F.T.S.](#) (2023), Learning by Supplying to Climb the Value Chain: Suppliers' Transition from B-to-B to B-to-C, *Supply Chain Management: An International Journal*, April, Vol. 28, N0. 4, pp. 641-665.
- (52) Zheng, K., \*[Ding, K.](#), [Hui, J.](#), [Zhang, F.](#), [Lv, J.](#) and \*[Chan, F.T.S.](#) (2024), Blockchain-based Credible Manufacturing Data Sharing for a Collaborative Manufacturing Supply Chain, *International Journal of Production research*, March, Vol. 62, No. 6, pp. 2233-2254.
- (53) [Kumar, R.R.](#), \*[Chan, F.T.S.](#), [Chakraborty, A.](#) and [Goswami, M.](#) (2024), Driving Electric Mobility Considering Manufacturers' Power Asymmetry in Presence of the Government's policy Instruments, *IEEE Transactions on Engineering management*, Vol. 71, pp. 9906 – 9919.
- (54) [Liu, Yongkui](#), [Zheng, Yuangang](#), \*[Bo, Hongguang](#), [Ding, Kai](#) and [Chan, F.T.S.](#) (2023), Enterprises cooperation and government supervision strategies under the impact of COVID-19, *Computers & Industrial Engineering*, November, Vol. 185, 109694.

- (55) Sumbal, M.S., Ahmed, W., Shahzeb, H. and \*[Chan, F.T.S.](#), (2023), Sustainable technology strategies for transportation and Logistics Challenges: An implementation feasibility study, *Sustainability*, 15(21), 15224.
- (56) Orisaremi, K.K., \*[Chan, F.T.S.](#) and Fu, X. (2023), An improved inverse DEA for assessing economic growth and environmental sustainability in OPEC member nations, *Mathematics*, December, 11, 4861, pp. 1-19.
- (57) Yiu, C.Y., Ng, K.K.H., \*[Chan, F.T.S.](#) and Li, Q. (2023), Vaccines, associated risk and air transport industry post-COVID-19: A structural equation modelling-based empirical study in Hong Kong context, *Research in Transportation Business & Management*, October, Vol. 50, 101038.
- (58) Kumar, G., \*[Chan, F.T.S.](#) and Goswami, M. (2024), Market reactions to drugs price reduction during COVID-19 distress in an emerging economy: Value creation through CSR, *Industrial Management and Data Systems*, January, Vol. 124, No. 1, pp. 140-181.
- (59) Chandra Dheeraj, Jain, V. and \*[Chan, F.T.S.](#) (2024), An incentive mechanism contract model to coordinate a vaccine supply chain under demand uncertainty, *Industrial Management and Data Systems*, January, Vol. 124, No. 1, pp. 182-211.
- (60) Narang, D., \*Madaan, J., [Chan, F.T.S.](#) and Chungcharoen, E. (2024), Managing Open Loop Water Resource Value Chain through IoT focused Decision and Information Integration (DII) Modeling using Fuzzy MCDM Approach, *Journal of Environmental Management*, January, Vol. 350, 119609.
- (61) Ruan, J., Mao, J., Liu, T., Svyatoslav, S., Sun, Z., Wang, B., Shi, Y., [Chan, F.T.S.](#) and Zhu, Y. (2024), Knowledge Bases, Cooperation Networks and Influential Contributions of Channel Modeling for Terahertz Communications, *IEEE Communications Magazine*, February, pp. 118-124.
- (62) Chen, J., Tian, Y., [Chan, F.T.S.](#), \*Tang, H.J. and Che, P.H. (2024), Pricing, Greening, and Recovery Decisions of Capital-constrained Closed-loop Supply Chain with Government Subsidies under Financing Strategies, *Journal of Cleaner Production*, January, Vol. 438. No. 20, 140797.
- (63) Vann Yaroson, E., Chowdhury, S., Mangla, S.K., Dey, P., \*[Chan, F.T.S.](#) and Roux, M. (2024), A systematic literature review exploring and linking circular economy and sustainable



development goals in the past three decades (1991-2022), *International Journal of Production research*, Feb, Vol. 62, No. 4, pp. 1399-1433.

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- (65) Narang, D., Madaan, J., \*[Chan, F.T.S.](#) and Charan, P. (2024), Evaluating Prioritization of Strategic Business Model for Efficient Wastewater Resource Management System, *Journal of Cleaner Production*, April, Vol. 449, 141271.
- (66) Zhang, Q., \*[Chan, F.T.S.](#), Chung, S.H. and Fu, X. (2024), A matheuristic for aircraft maintenance routing problem incorporating cruise speed control, *Expert Systems With Applications*, May, Vol. 242, 122711.
- (67) Lu, Q., Gao, X. and \*[Chan, F.T.S.](#) (2024), Low-carbon optimization design of grinding machine spindle based on improved whale algorithm, *Mathematics*, 12(1) , 69.
- (68) Liu, S., Han, W., \*Zhang, Z. and \*[Chan, F.T.S.](#) (2024), An analysis of performance, pricing, and coordination in a supply chain with cloud services: The impact of data security, *Computers and Industrial Engineering*, June, Vol. 192, 110237.
- (69) Liu, Y., Zhang, X., Ding, K., Hui, J., Zhao, J. and \*[Chan, F.T.S.](#) (2024), A machining error tracing method based on MEA-BP neural network for quality improvement of gear hubs, *International Journal of Computer Integrated Manufacturing*, July, Vol. 37, No. 7, pp. 852-865.
- (70) Guo, L., Duan, Z., Guo, W., \*Ding, K., Lee, C.H. and \*[Chan, F.T.S.](#), Machine vision-based recognition of elastic abrasive tool wear and its influence on machining performance, *Journal of Intelligent Manufacturing*.

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- (71) Gupta, S., Jain, A., \*[Chan, F.T.S.](#) and Phanden, R.K., A study on simulation-based optimization of a stochastic flexible job shop scheduling undergoing preventive maintenance with sequence-dependent setup time, *International Journal on Interactive Design and Manufacturing (IJIDeM)*.

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- (72) Liu, Y., \*Zhang, J.H. and \*Chan, F.T.S., AI-enhanced Robust Method for Integrated Healthcare Resource Pre-positioning and Patient Scheduling, *International Journal of Production Research*.  
**Published online: 31/1/2024**
- (73) Wu, S.M., \*Chan, F.T.S. and U, Tony Sio-Chong, Enhancing Sustainability in Mass Customization of Consumer Electronics with Salvage Value through Supply Chain Financing, *International Journal of Logistics Research and Applications*.  
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- (74) Goswami, M., \*Chan, F.T.S., Ramkumar, M., Daultani, Y., Rana, N.P., Multidimensional Typologies of Faulty Medical Device Events: Analysis, Risk Characterization, and Stakeholder Mapping, *International Journal of Production Research*.  
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- (75) Bui, T. D., Chan, F.T.S., Kumpimpa, T., Tan, K., Sethanan, K. and \*Tseng, M.L., A supply chain finance risk management model for the electric vehicle supply chain: A data-driven analysis, *International Journal of Logistics Research and Applications*.  
**Published online: 9/5/2024**
- (76) Bui, Tat-Dat, Chan, F.T.S., Do, Thi-Thuy-Trang, Nguyen, Thi-Ngoc-Linh, Lim, M.K. and \*Tseng, Ming-Lang, Green supply chain finance model in the logistics and transportation industry: Improving policies, regulations and financial digitalization practices, *International Journal of Logistics Research and Applications*.  
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- (77) Hui, J., Zheng, K., Ding, K., Zhou, X., \*Lv, J. and \*Chan, F.T.S., Automatic blockchain network configuration and optimization for credible and authorized data sharing in social manufacturing networks, *International Journal of Production Research*.  
**Published online: 9/7/2024**

#### 其他專業資格 / 獎項 / 活動

##### 國際雜誌主編/高級副主編/副主編:

- (1) 《Transportation Management》主編
- (2) 《OPSEARCH》高級副主編

- (3) 《International Journal of Modelling in Operations Management》副主編
- (4) 《Modern Supply Chain Research and Applications》副主編
- (5) 《Operations and Supply Chain Management: An International Journal》副主編

**國際雜誌客座主編:**

International Journal of Production Research; Mathematics; Journal of Manufacturing Technology Management; International Journal of Business Performance Management; International Journal of Intelligent Systems Technologies and Applications; International Journal of Computer Applications in Technology; International Journal of Value Chain Management; Mathematical Problems in Engineering; Proceedings of Institute of Mechanical Engineering- Part O: Journal of Risk and Reliability.

**國際雜誌成員:**

International Journal of Production Research; Supply Chain Management: An International Journal; Journal of Intelligent Manufacturing; Journal of Manufacturing Technology Management; International Journal of Computer Integrated Manufacturing; Robotics and Computer Integrated Manufacturing; International Journal of Advanced Manufacturing Technology; International Journal of Business Performance Management; International Journal of Computer Applications in Technology; International Journal of Agile Systems and Management; International Journal of Services, Economics and Management; International Journal of Supply Chain and Operations Resilience; Advances in Industrial Engineering and Management.

**國際會議主講人/主席/成員:**

- 陳東榮教授經常被邀請作為國際會議的主旨演講, 約 20 多次
- 他亦活躍於組織國際會議及接受重要角色包括會議主席; 程序主席, 約 16 多次
- 他亦作為其他國際會議的組織成員, 約 60 多次

**研究基金的評估小組成員:**

- (1) 香港-大學教育資助委員會-研究資助局-工程委員會（聯合研究計劃）成員（2018年3月1日至今）
- (2) 國家自然科學基金委員會、香港-大學教育資助委員會-研究資助局聯合研究計劃評估小組成員（2018年3月1日至今）
- (3) 香港-大學教育資助委員會-研究資助局-本地自資學位界別競逐研究資助計劃評審委員會會員（工程）（2017年3月14日至今）
- (4) 香港 ITF 企業家基金評估小組成員

## 其他專業資格

### 排名前 2% 科學家

根據斯坦福大學某研究小組關於最新科學家影響的彙編（排名前 2%），陳東燊教授分類為連續四年（2020-2023）排名前 2% 科學家。

### 運籌學領域重大貢獻

根據斯坦福大學某研究小組關於最新科學家影響的彙編（2020 年）（排名前 2%），該工作發表在以下網站：

<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>，陳東燊教授在全球運籌學領域中的 23,455 名科學家中排名第 10，即全球 Top 0.04%。

此外，在斯坦福大學學著對 Top 2% 科學家的最新一文：Baas, Jeroen; Boyack, Kevin; Ioannidis, John P.A. (2021), "August 2021 data-update for "Updated science-wide author databases of standardized citation indicators"", Mendeley Data, V3, (doi: 10.17632/btchxktzyw.3) 中發現，陳東燊教授再次歸入該領域，並連續兩年（2020 年和 2021 年）在全球 26063 名研究人員中排名第 10，即全球前 0.04%。

### 供應鏈管理研究領域的重大貢獻

根據 2018 年《International Journal of Production Economics》中的文章：Babbar, S., Behara, R.S., Koufteros, X.A. and Wong, C.W.Y., "Charting leadership in SCM research from Asia and Europe", International Journal of Production Economics (2018), doi:10.1016/j.ijpe.2018.07.005.

按照總出版分數陳東燊教授位列前 25 位：

- 2001-2015 年，按出版分數排名亞洲前 25 位供應鏈管理的作者，陳東燊教授排名第 16 位；
- 2001-2015 年，按總中心度排名亞洲前 25 位供應鏈管理的作者，陳東燊教授排名第 5 位；

- 2001-2015 年，按Bonacich 中心排名亞洲前25 位供應鏈管理的作者，陳東燊教授排名第6 位。

\*\*\*<https://doi.org/10.1016/j.ijpe.2018.07.005>

### **營運管理研究領域的重大貢獻**

根據2013 年《International Journal of Production Research》中的文章:Timothy D. Fry, Joan M. Donohue, Brooke A. Saladin and Guangzhi Shang, “The origins of research and patterns of authorship in the International Journal of Production Research”, 陳東燊教授在1985-2010 年，按照文章排名的前100 名作者中位列 第2 位。此外，在2006-2010 年中，陳教授排名第1 位。這一分類結果有助於確定過去對《International Journal of Production Research》有重大影響的作者，以及有望在未來對《International Journal of Production Research》產生影響的作者。

\*<http://dx.doi.org/10.1080/00207543.2013.832436>

根據最新發表在《International Journal of Production Research》中的一項研究

\*\*，香港理工大學在全球研究貢獻方面排名世界第12 位，亞洲第2 位。這項研究基於11 個世界頂尖的營運管理期刊上發表文章的數量，衡量了學術機構和個人在26 年（1985-2010）內對運營管理領域的研究貢獻。根據在11 個指定期刊上發表論文的數量衡量，陳東燊教授在對該領域做出重大貢獻的前50 位作者中排名第15 位。

此外，陳東燊教授過去的10 年（2001-2010）在運營管理領域中，在最具生產力的前100 名研究人員中排名第3 位。

\*\*<http://dx.doi.org/10.1080/00207543.2015.1037935>