

# 陈东燊



职称：副院长、讲座教授  
学院：商学院  
电邮：tschan@must.edu.mo  
电话：(853) 8897 2907

## 教育背景

|           |                        |
|-----------|------------------------|
| 1982-1986 | 博士：英国伦敦大学帝国理工学院，柔性制造系统 |
| 1981-1982 | 硕士：英国伦敦大学帝国理工学院，高等应用力学 |
| 1979-1981 | 学士：英国布莱顿大学，机械工程        |

## Working Experience

|              |                                      |
|--------------|--------------------------------------|
| 2025-present | 副院长及讲座教授，商学院，澳门科技大学                  |
| 2022-2025    | 副院长及教授，商学院，澳门科技大学                    |
| 2009-2022    | 副教授/教授/副院长（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            |

## 教学活动

项目管理  
运筹学  
生产与运营管理  
供应链管理

## 研究领域

优化  
调度运筹  
决策科学  
物流与供应链管理

### 学术期刊论文 (1/9/2022 – 31/8/2025) 最近 3 年

- (1) 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.  
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- (2) 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.  
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- (3) 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.  
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- (4) 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.  
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- (5) 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.  
<https://doi.org/10.1080/00207543.2022.2075811>
- (6) 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.  
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- (7) 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.  
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- (8) 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.  
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- (9) 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.  
<https://doi.org/10.1016/j.matcom.2022.05.034>
- (10) 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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- (11) Patil, A., Madaan, J., \*Chan, F.T.S. and Charan, P. (2022), Advancement of performance measurement system in the humanitarian supply chain, *Expert Systems With Applications*, November, Vol. 206, 15, 117844.  
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- (12) 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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- (13) Ding, K., Niu, Z., Hui, J., Zhou, X. and \*Chan, F.T.S. (2022), A Weld Surface Defect Recognition Method based on Improved MobileNetV2 algorithm, *Mathematics*, Vol. 10, No. 19, 3678.  
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- (14) 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.  
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- (15) 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.  
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- (16) 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.  
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- (17) 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.  
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- (18) 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.  
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- (21) 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.  
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- (28) 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.  
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- (29) 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.  
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- (30) 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, NO. 4, pp. 641-665.  
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- (31) 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.  
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- (32) 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.  
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- (35) 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.  
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- (39) 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.  
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- (47) 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.  
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### 其他专业资格 / 奖项 / 活动

#### 国际杂志主编/高级副主编/副主编:

- (1) 《Transportation Management》主编
- (2) 《Journal of Business and Management Theory and Practice》主编
- (3) 《Global Journal of Industrial Management》主编
- (4) 《OPSEARCH》高级副主编
- (5) 《International Journal of Modelling in Operations Management》副主编
- (6) 《Modern Supply Chain Research and Applications》副主编
- (7) 《Operations and Supply Chain Management: An International Journal》副主编

#### 国际杂志客座主编:

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.

#### 国际杂志成员:

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.

**国际会议主讲人/主席/成员：**

- 陈东燊教授经常被邀请作为国际会议的主旨演讲，约 20 多次
- 他亦活跃于组织国际会议及接受重要角色包括会议主席；程序主席，约 16 多次
- 他亦作为其他国际会议的组织成员，约 60 多次

**研究基金的评估小组成员：**

- (1) 香港-大学教育资助委员会-研究资助局-**工程委员会**（联合研究计划）成员（2018 年 3 月 1 日至今）
- (2) 国家自然科学基金委员会、香港-大学教育资助委员会-研究资助局联合研究计划**评估小组成员**（2018 年 3 月 1 日至今）
- (3) 香港-大学教育资助委员会-研究资助局-本地自资学位界别竞逐研究资助计划**评审委员会会员**（工程）（2017 年 3 月 14 日至今）
- (4) 香港 ITF 企业家基金**评估小组成员**

**其他专业资格**

**排名前 2% 科学家**

根据斯坦福大学某研究小组关于最新科学家影响的汇编（排名前 2%），陈东燊教授分类为连续五年（2020-2024）排名前 2% 科学家。

**「商业及管理」与「工程及技术」研究领域重大贡献**

根据知名学术网站 Research.com 数据，于 Research.com 2025 (<https://research.com/u/felix-ts-chan>) 年度评选中，陈东燊教授分别于「商业及管理」与「工程及技术」研究领域荣获：

- 全球排名：第 65 位及第 134 位；
- 本国排名：第 5 位及第 16 位。

**运筹学研究领域重大贡献**

根据斯坦福大学某研究小组关于最新科学家影响的汇编(2020 年)(排名前2%)，该工作发表在以下网站：

<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>，陈东燊教授在全球运筹学领域中的23455名科学家中排名第10，即全球Top 0.04%。

此外，在斯坦福大学学着对Top2%科学家的最新一文：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)中发现，陈东燊教授再次归入该领域，并**连续两年**（2020年和2021年）在全球26063 名研究人员中排名第10，即全球前0.04%。

### **供应链管理研究领域的重大贡献**

\*根据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).

按照总出版分数陈东燊教授位列前25 位：

- 2001-2015 年，按出版分数排名亚洲前25 位供应链管理的作者，陈东燊教授排名第16 位；
- 2001-2015 年，按总中心度排名亚洲前25 位供应链管理的作者，陈东燊教授排名第5 位；
- 2001-2015 年，按Bonacich 中心排名亚洲前25 位供应链管理的作者，陈东燊教授排名第6 位。

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

### **营运管理研究领域的重大贡献**

\*\*根据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”，陈东燊教授在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，陈教授排名第1 位。这一分类结果有助于确定过去对《International Journal of Production Research》有重大影响的作者，以及有望在未来对《International Journal of Production Research》产生影响的作者。

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

\*\*\*根据最新发表在《International Journal of Production Research》中的一项研究，香港理工大学在全球研究贡献方面排名世界第12 位，亚洲第2 位。这项研究基于11 个世界顶尖的营运管理期刊上发表文章的数量，衡量了学术机构和个人在26 年（1985-2010）内对运营管理领域的研究贡献。根据在11 个指定期刊上发表论文的数量衡量，陈东燊教授在对该领域做出重大贡献的前50 位作者中排名第15 位。

此外，陈东燊教授过去的10 年（2001-2010）在运营管理领域中，在最具生产力的前100 名研究人员中排名第3 位。

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