

Felix T. S. CHAN



Title : Vice Dean & Professor

Faculty : School of Business

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Academic Qualification

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|-----------|---|
| 1982-1986 | Ph.D.: Imperial College of Science and Technology,
University of London, UK; Flexible Manufacturing Systems; |
| 1981-1982 | Master: Imperial College of Science and Technology,
University of London, UK; Advanced Applied Mechanics; |
| 1979-1981 | BS: Brighton University, UK; Mechanical Engineering. |

Working Experience

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| 2022-present | Vice Dean and Professor / Macau University of Science and
Technology |
| 2009-2022 | Associate Professor/Professor/Associate Dean (Research)/
Associate Head / The Hong Kong Polytechnic University |
| 1996-2009 | Lecturer/Associate Professor / University of Hong Kong |
| 1988-1996 | Lecturer/Senior Lecturer / University of South Australia |
| 1986-1988 | Research Fellow / University of Strathclyde |

Teaching Activities

- Project Management
- Operations Research
- Production and Operations Management
- Supply Chain Management

Research Areas

- Optimisation
- Scheduling

Journal Paper Publications in the Past 3 years (1/9/2021 – 31/8/2024)

- (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.
- (30) 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.
- (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.
- (32) 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.
- (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, NO. 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.
- (64) Sumbal, M.S., Agha, M., Nisar, A. and *Chan, F.T.S. (2024), Logistics Performance System and their impact on Economic Corridors: A developing economy perspective, *Industrial Management & Data Systems*, Feb., Vol. 124, No. 3, pp. 1005-1025.
- (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)*.
Published online: 30/12/2023
- (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*.
Published online: 5/3/2024
- (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*.
Published online: 7/3/2024
- (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*.
Published online: 27/5/2024
- (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

Other Professional Activities

Chief Editor/Senior Associate Editor/Associate Editor for international journals:

- (1) Editor-in-Chief, Transportation Management.
- (2) Senior Associate Editor, OPSEARCH.
- (3) Associate Editor, International Journal of Modelling in Operations Management.
- (4) Associate Editor, Modern Supply Chain Research and Applications.
- (5) Associate Editor, Operations and Supply Chain Management: An International Journal.

Guest Editor for international journals including:

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.

Member of Editorial Board of international journals including:

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.

Keynote Speech/ Chairman/Member of International Conferences:

- Prof. Chan has been frequently invited to give keynote speech in various international conferences, about 20 times.
- He is also very active in organizing international conferences and taking key roles including Conference Chairman; Program Chairman, about 16 times.
- He has been involved in organizing conferences as a member, more than 60 times.

Invited Reviewer for Research Funding Bodies:

- (1) Member of the Engineering Panel (Joint Research Schemes) of the Research Grants Council (RGC), Hong Kong (1 March 2018 – present).
- (2) Member of Assessment Panel of NSFC/RGC Joint Research Scheme (1 March 2018 – present).
- (3) Member (Engineering) on the Assessment Panel for Competitive Research Funding Schemes for the Local Self-financing Degree Sector of the Research Grants Council (RGC), Hong Kong (14/3/2017 – present).
- (4) Member of Assessment Panel of ITF Entrepreneurs Fund.

Honors/Awards

Top 2% Scientists

Based on the recent compilations from a research group of Stanford about the impact of scientists, Prof. Felix Chan is categorized as **Top 2% Scientists** for FOUR consecutive years (2020-2023).

Significant Contribution to OPERATIONS RESEARCH

Based on the recent compilation (2020) from a research group of Stanford about the impact of scientists (top 2% listed). The work is published in <https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>.

Prof. Felix Chan is categorized in the field of Operations Research, ranked 10 out of 23455 researchers worldwide, i.e. Top 0.04% worldwide.

Furthermore, based on the recent compilation (2021) from a research group of Stanford about the impact of scientists (top 2% listed), 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, Prof. Felix Chan is categorized in the field of Operations Research, ranked 10 out of 26063 researchers worldwide, i.e. Top 0.04% worldwide, for TWO consecutive years (2020 and 2021).

Significant Contribution to SUPPLY CHAIN MANAGEMENT RESEARCH

Based on the paper*** published in 2018 at International Journal of Production Economics (IJPE) by 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.

Prof. Felix Chan ranked among the Top 25 based on total publication score:

- Top 25 SCM authors of Asia by publication score over the 15-year period of 2001-2015. (Prof. Felix Chan Ranks **No. 16**)
- Top 25 SCM authors of Asia by total degree centrality over the 15-year period of 2001-2015. (Prof. Felix Chan Ranks **No. 5**)
- Top 25 SCM authors of Asia by Bonacich power centrality over the 15-year period of 2001-2015. (Prof. Felix Chan Ranks **No. 6**)

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

Significant Contribution to OPERATIONS MANAGEMENT RESEARCH

Based on the paper* published in 2013 at International Journal of Production Research (IJPR) by 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”, Prof. Chan Ranked **No. 2** in The top 100 authors by **author articles and full articles (1985–2010)**. Furthermore, Prof. Chan is very recently ranked **1st** during the period **2006–2010**. This breakdown of results helps to identify those authors who had a **significant impact** on shaping IJPR in the past as well as identifying those authors who can be expected to shape IJPR into the future.

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

- According to a study lately published in the International Journal of Production Research**, PolyU ranks 12th in the world and 2nd in Asia among worldwide institutions in research productivity and contribution. The study measured the research contributions over a 26-year time frame (1985–2010) of academic institutions and individual authors to the field of Operations Management (OM) based on published articles in 11 top-rated and well-known academic OM journals. Prof. Chan was among the top 50 prolific authors list who have made **the greatest overall contribution** to the field as measured by the number of distributed and shared articles published in the 11 designated journals. Prof. Chan (**15th/49th**) at Department of Industrial and Systems Engineering.

Also, Prof. Chan was Ranked **No. 3** in The top 100 authors as the **most productive researchers** in the field of Operations Management over the past 10 years (**2001–2010**).

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