

Houmin Yan

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Degrees

BSc. (1982) and MSc. (1985), Electrical Engineering, Tsinghua University, Beijing, China.

Ph.D. Operations Management, 1993. Faculty of Management, University of Toronto, Toronto, Canada.

Experience

01/21-current, Director, Hong Kong Laboratory of AI-Powered Financial Technologies, Ltd.

08/21-current, Director, Doctor of Business Administration (International), City University of Hong Kong and Fudan University.

08/20-current, Director, Master of Science in Accounting and Finance with AI and Fintech Applications, City University of Hong Kong and Beijing National Accounting Institute.

2011-June 2020, Dean of College of Business (Jan. 2013-June 2019)/Acting Dean (July 2019-June 2020), Chair Professor Management Sciences, Head of Department of Management Sciences(2011-2012), City University of Hong Kong.

1994-2011: Assistant(1994)/Associate(1998)/Full(2002) Professor, The Chinese University of Hong Kong.

2002-2011 Director of Executive Master of Science in Logistics and Supply Chain Management, The Chinese University of Hong Kong and Tsinghua University.

2004-2011: Director of Research Center for Supply Chain Management, L&F Institute of Supply Chain Management, the Chinese University of Hong Kong.

2001-2004: Tenured Associate Professor, University of Texas at Dallas.

Other Appointment

2021-current: Special Appointed Visiting Chair Professor, Center of Intelligent Networks, Tsinghua University, Beijing, China.

10/20-current, Adjunct Professor, the Chinese University of Hong Kong.

09/21-Current, Member, EQUIS Committee, EFMD.

01/16-current, Director, Private and Public Partnership China Center of Excellence, United Nations Economic Commission for Europe.

01/15-current, AACSB Business School Accreditation Chair: Queensland University of Technologies (2020), Business School Accreditation Panel member: AACSB for University of Science and Technology, China (2020), University of British Columbia (2019), Renmin University (2018), Adolfo Ibanez University (2016), CalState San Francisco (2015), EQUIS for Rotterdam School of Business (2019), Changkong Graduate School of Business (2018), Nova School of Business (2018), Rennes School of Business (2017), National Chengchi University (2016)

03/12-08/18, Member of Business panel, the Research Grant Council (RGC), Hong Kong University Grants Committee.

2006-2011: Associate Director/Science Advisor, Hong Kong R&D Center for Logistics and Supply Chain Management Enabling Technologies.

09/01-08/11: Special Appointed Visiting Chair-Professor, member of Larry Ho Chair -Professor group, Center for Intelligent Networks , Tsinghua University, Beijing, China.

Honors and Awards

2004 The Wickham-Skinner Best Paper Award, The Production and Operations Management Society and The 2nd World Conference on Production and Operations Management, "Coordination of Supply Chains with Risk-Averse Agents," *Production and Operations Management*, Vol. 13, 135 -149, 2004.

2005 The Best Paper Award for the focus issues on Operations Engineering the Institute of Industrial Engineers (IIE), "Designing An Assembly Process with Stochastic Material Arrivals," *IIE Transactions*, Vol. 35, 803-815, 2003.

2012 The Best Paper Award, the Institute of Industrial Engineers (IIE), "Risk analysis of commitment-option contract with forecast updates," *IIE Transactions*, 415-431, 2011.

Recent Research Grants

- 2021-2024 PI, GRF Grant 11509521/21, HK\$ 444,693, Stochastic and Dynamic Click-through and Sell-through Optimization: A Machine Learning and Optimal Control Approach.
- 2021-2025 PI, InnoHK Programs, HKSAR Government, HK\$ 272,400,000, Hong Kong Laboratory for AI-Powered Financial Technologies.
- 2021-2024 PI, Collaborative Research Fund (CRF), C1143-20G, HKSAR Government, HK\$ 4,589,338, Resilient PPE Supply Chains for Hong Kong Health Systems: Current and Post Covid-19 Pandemic.
- 2014-2019 One of PIs, RGC Theme-based Research Scheme, T32-102/14N, HK\$ 20,450,000, Delivering 21st Century Healthcare in Hong Kong—Building a Quality-and-Efficient Driven System.

Selected Publications:

1. Xie, Y., L. Xie, M. Lu, and H. Yan. Performance-Price-Ratio Utility: Market Equilibrium Analysis and Empirical Calibration Studies, *Production and Operations Management*, Vol. 30, No. 5, pp. 1442-1456, 2021.
2. Yan, H., C. Yano, and H. Zhang. Joint Inventory-pricing Optimization with General Demands: An Alternative Approach for Concavity Preservation, *Production and Operations Management*, Vol. 28, No. 6, pp. 1387–1406, 2019.
3. Bessoussan, A., Y. Xie, and H. Yan, Joint Inventory-Pricing Optimization with General Demands: an Alternative Approach for Concavity Preservation, *Production and Operations Management*, Vol. 28, No. 9, 2390-2404, 2019.
4. Lu, M., S. Sethi, Y. Xie and H. Yan, Profit Allocation, Decision Sequence and Compliance Aspects of Coordinating Contracts: a Retrospect, *Production and Operations Management*, Vol. 28, No. 5, pp. 1222-1237, 2019.
5. Wang, H., X.Liang, S. Sethi and H. Yan. Inventory commitment and prioritized backlogging clearance with alternative delivery lead times. *Production and Operations Management*, Vol. 23 1227-1242, 2014.
6. Buzacott, J., Yan, H., and Zhang, H., “Risk analysis of commitment-option contract with forecast updates,” *IIE Transactions*, 415-431, 2011.
7. Wang, H., and Yan, H., “Inventory management for customers with alternative lead-time choices,” *Production and Operations Management*, Vo. 18, 705-720, 2009.
8. Sethi, S., H. Yan, H.Q. Zhang, and J. Zhou. A Supply Chain with a Service Requirement for Each Market Signal, *Production and Operations Management*, Vol. 16, 322-342, 2007.
9. Feng, A., Sethi, S.P., Yan, H., and Zhang, H.Q., ”Inventory models with n-delivery modes and demand information updates”, *Operations Research*, Vol. 54, 4, 801-807, 2006.
10. Gan, X., Sethi, S. P., and Yan, H., Supply Chain Coordination with a Risk-Averse Retailer and a Risk-Neutral Supplier, the Special Issue on Risk Management in Operations, *Production and Operations Management*, Vol. 14, No.1, 80-89, 2005.
11. Gan, X, Sethi, S.P., and Yan, H., ”Coordination of Supply Chains with Risk-Averse Agents”, *Production and Operations Management*, 13, 2, 135-149, 2004.
12. Sethi, S., Yan, H., and Zhang, H., ”Inventory Models with Fixed Costs, Multiple Delivery Modes and Forecast Updates”, *Operations Research*, Vol. 51, No. 2, 321-328, 2003.
13. Sethi, S.P., Yan, H., Zhang, H., and Zhang, Q., Optimal and Hierarchical Controls in Dynamic Stochastic Manufacturing Systems: A Review, *Manufacturing and Service Operations Management*, Vol. 4, No. 2, 133-170, 2002.
14. Yan, H., Zhou, X.Y., and Yin,G., “ Approximating an optimal production policy in a continuous flow line: recurrence and asymptotic properties,” *Operations Research*, Vol. 47, 535-549, 1999.