

Jihong Ou

Associate Professor of Operations and Supply Chain Management
Cheung Kong Graduate School of Business
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Beijing 100738
P.R.China

Education

Ph.D. Operations Research. Massachusetts Institute of Technology, 1991
M.S. Applied Mathematics, University of Massachusetts, 1987
M.S. Mathematics, Chinese Academy of Sciences, 1985
B.S. Applied Mathematics, Zhengzhou Institute of Technology, 1982

Academic Appointments

Associate Professor (with tenure)
Cheung Kong Graduate School of Business
Beijing, China
2008-present

Associate Professor (with tenure)
Faculty of Business Administration
National University of Singapore
1998-2007

Lecturer – Senior Lecturer
Faculty of Business Administration
National University of Singapore
1992-1997

Research Interests

- Stochastic Modeling and Analysis
- Queueing Analysis and Control
- Production/Inventory Systems
- Supply Chain Management
- China manufacturing practices and industry development

Academic Journal Publications

1. The Impact of Processing Time Knowledge on Dynamic Job-Shop Scheduling
Management Science 37(1991) 1002-1014 (with L. M. Wein)
2. On the Improvement from Scheduling a Two-Station Queuing Network in Heavy
Traffic *Operations Research Letters* 11(1992) 225-232 (with L. M. Wein)

3. Performance Bounds for Scheduling Queueing Networks
Annals of Applied Probability 2(1992) 460-480 (with L. M. Wein)
4. Dynamic Scheduling of a Production/Inventory System With By-Products and Random Yields *Management Science* 41(1995) 1000-1017 (with L. M. Wein)
5. Characterizing the Idle-Period Distribution of *GI/G/1* Queues
Journal of Applied Probability 32 (1995) 247-255 (with J. Li)
6. Sequential Screening In Semiconductor Manufacturing, II: Exploiting Lot-to-Lot Variability *Operations Research* 44 (1996) 196-204 (with L. M. Wein)
7. Approximating a Cumulative Distribution Function by Generalized Hyperexponential Distributions *Probability in Engineering and Information Sciences* 11 (1997) 11-18 (with J. Li and S. Ozekici)
8. Yield Comparison of Push and Pull Control Methods On Production Systems With Unreliable Machines *International Journal on Production Economics* 50 (1997) 1-12 (with J. Jiang)
9. The Throughput of Irreducible Closed Markovian Queueing Networks: Functional Bounds, Asymptotic Loss, Efficiency, and the Harrison-Wein Conjectures
Mathematics of Operations Research 22 (1997) 886-920 (with H. Jin and P.R.Kumar)
10. The Delay of Open Markovian Queueing Networks: Uniform Functional Bounds, Heavy Traffic Pole Multiplicities, and Stability *Mathematics of Operations Research* 50 (1997) 921-954 (with C. Humes and P.R. Kumar)
11. Multi-Item Inventory Staggering Problems: Bounds and Heuristics
Proceedings of 1998 ACM-SIAM Symposium on Discrete Algorithms
(with C. Teo and K. Tan)
12. Impact On Inventory Cost With Consolidation of Distribution Centers
IIE Transactions 33 (2001), 99-110 (with M. Goh and C. Teo)
13. ST Logistics: Distribution Consumer Goods In China
International Transactions in Operations Research 8 (2001) 203-220
(With F. Chen, M. Goh, J. Lee, S. Moosa, C.P. Teo, and P.G. Goh)
14. A Warehouse Sizing Model Balancing Inventory and Warehousing Costs
Naval Logistics Research Quarterly 48(2001) 299-312 (with M. Goh and C. Teo)
15. An Optimization Based Approach to the Train Operator Scheduling Problem at Singapore MRT *Annals of Operations Research* 108 (2001) 111-122
(with J. Pang, K.L. Chew, Q. Liu, and C.P. Teo)
16. Inventory Cost Effect of Consolidating Several One-Warehouse Multi-Retailer Systems *Operations Research* 51(2003) 668-672 (with W.S. Lim and C. P. Teo)

17. Benefits of Providing Amenities to Impatient Waiting Customers
Computers and Operations Research 30(2003) 2211-2225 (with B. M. Rao)
18. The Benefits of Advanced Booking Discount Programs: Model and Analysis
Management Science 50(2004) 465-478 (with C. S. Tang, K. Rajaram, and A. Alptekinoglu)
19. Stability of Data Networks: Stationary and Bursty Model *Operations Research* 53(2005) 107-125 (with H. Ye and X. Yuan)
20. Management of Inventory Replenishment and Available Offerings for Goods Sold with Optional Value-Added Packages *IIE Transactions* 37 (2005) 397-406 (with F. Chen and Y. Feng)
21. Optimal Positioning of Idle Elevators Under Myopic and State-dependent Policies
European Journal of Operational Research 170 (2006) 863-886 (with M. Parlar and S. Moosa)
22. Joint Management of Finished Goods Inventory and Demand Process for a Make to-Stock Product: A Computational Approach *IEEE Transactions on Automatic Control* 51 (2006) 258-273 (with L. Chen and Y. Feng)
23. A Differential Service Scheme to Optimize Website Revenues *Journal of the Operational Research Society* 57 (2006) 1323-1340 (with M. Parlar and S. Moosa)
24. Service Performance Analysis and Improvement for a Ticket Queue with Balking Customers, *Management Science* 53 (2007) 971-990 (with L. Gao and S. Xu)
25. Coordination of Stocking Decisions in an Assemble to Order Environment
European Journal of Operational Research 189 (2008) 540-558 (with S. Gilbert and X. Zhang)
26. Optimal Control of Price and Production in an Assemble-to-Order System,
Operations Research Letters 36 (2008) 506-512 (with Y. Feng and P. Zhan)
27. Coordinating Batch Production and Pricing Control of a Make-to-Stock Product,
IEEE Transactions on Automatic Control 54 (2009) 1674-1680 (with L. Chen and Y. Feng)
28. Power Structure and Profitability in Assembly Supply Chains, *Production and Operations Management* 23 (2014) 1599-1616 (with L.Chen and D.Ding)
29. Analysis of Ticket Queues with Reneging Customers Supply Chains, *Journal of Operational Research Society* (2014) (with L.Chen and D.Ding)

General Publications

《架起产业链共赢之桥》，2008年4月《中国制造业信息化》

《升级中国制造的五个节点》，2009年第8期《商界评论》

《产业链如何垂直整合》，2010年第5期《商界评论》
《拉制造商入局》，2013年7月《中欧商业评论》

Teaching Cases

《巨一鞋厂的精益生产实践》
《海尔网络化转型实践》

Causes taught

Statistics (undergraduate)
Management Science (undergraduate)
Supply Chain Management (undergraduate)
Operations Management (undergraduate)
Analytics for Managers (MBA)
Stochastics Operations Research Models (graduate)
Decision Science Practicum (graduate)