

CV of Ou Tang

1. High education degree

Tekn Dr (PhD), 2000, Production Economics, Linköping University, Sweden
Docent, 2004, Production Economics, Linköping University

2. Research Interests

Ou Tang is Professor of Production Economics at Linköping University in Sweden. His aim of the research is threefold: first to identify and document the operations problems in production systems through industrial survey and case investigation, second to develop analytical models to understand, compare and analyse different production processes, and third to propose managerial principles for improving system performances. His principal research interests lie in the field of operations and supply chain management.

3. Present position

Professor of Production Economics (full time), Department of Management and Engineering, Linköping University, since January 2011. Currently, 50% time for research.

Editor, International Journal of Production Economics

Past-President, International Society for Inventory Research, (president, 2014-2016)

4. Previous positions and periods of appointment

Senior Lecturer/Associate Prof., Linköping University, (full time), January 2001-December 2010

Lecturer, Linköping University, (full time), July 2000-December 2000

Research Associate, Asia Institute of Technology (full time), September 1995-August 1996

Visiting Professor, ESCP Europe, Paris, France, 2018

Visiting Professor, Technische Universität Dresden, Germany, 2018

Guest Professor, Tongji University, China, 2009-2017

Visiting Professor, Shanghai Jiaotong University (1 month/year), China, 2005-2008

Visiting Professor, Brescia University (1 month/year), Italy, 2004, 2006

Visiting Researcher, Tokyo Institute of Technology (1 month), Japan, 2004

Visiting Researcher, Akita Prefectural University (2 months), Japan, 2003

5. Supervision

Doctoral students at Linköping University

Nurmaya Musa, Risk management in Supply chains, completed 2012

Shuguo Wei, Core acquisition management in remanufacturing, completed 2015

Mathias Barkhagen, Optimal decisions on the equity index derivatives markets using option implied information, completed 2015

Lujie Chen, Sustainability in manufacturing industry, completed 2015

Sayeh Noroozi, Sales and operations planning based on a modularized view of supply chains, completed 2017

Jonas Ekblom, Decision making under uncertainty in financial markets, completed 2018

Robert Casper, Automobile Remanufacturing, to be completed 2019

Johan Gustafsson, to be completed 2019

Pontus Söderbäck, to be completed 2020
Martin Kylinger, to be completed 2020

Supervision of visiting doctoral students

Hongming Xu, Tongji University, China, 2018-2019
Ata Jalili Marand, Aarhus University, Denmark, 2017
Song Gao, Tongji University, China, 2016-2017
Weidi Wang, Tongji University, China/Technische Universität Darmstadt, Germany, 2016

Supervision of Postdoc

Lin Li, Postdoc, East China University of Science and Technology, China, 2015-2016
Weihua Liu, Tianjin University, Tianjin, China, 2013-2014
Daqin Wang, Postdoc, Linköping University (PhD from Tongji University, China), 2011-2013
Juan Li, postdoctoral Fellow, Shanghai Jiaotong University, China, 2009
Pola Cocca, visiting doctoral student, Brescia University, Italy, 2008
Amir Azaron, Killam postdoctoral Fellow, Dalhousie University, Canada, 2007

6. Other merits

Research projects (with relevance to current project)

- Production location and plants roles, VINNOVA, 2010-2012
- Service operations management - theory, method and key technique, National Natural Science Foundation of China, 2008-2012
- Disruption management and robust planning in supply chains, National Natural Science Foundation of China, 2007-2010
- Risk management in supply chains, Ministry of Higher Education, Malaysia, 2007-2010
- Interlink: Supply chain sustainability, Italian Ministry for Res. and Education, 2006-2009

7. Editorial assignments

- Associate/Assistant Editor, International Journal of Production Economics, since 2008
- Editorial board member, Managerial and Decision Economics, since 2008
- Associate Editor, Operations and Supply Chain Management – An International Journal, since 2007
- Guest Editor, 6 times between 2005-2013 International Journal of Production Economics

8. Others

- Faculty opponent /External Examiner, Luleå University of Technology, Sweden (2004), Lund University, Sweden (2005), Exeter University, UK (2008), Cardiff University, UK (2011), Nanyang Technological University, Singapore (2011, 2015), University of Greenwich, UK (2012), Lund University, Sweden (2013), University of Navarra, Spain (2013), Aarhus University, Denmark (2018)
- Member of expert assessment committee for faculty positions, Nottingham University, UK (2014), Dortmund University, Germany (2014), Aarhus University, Denmark (2009), Malmö University Colleague (2009), Lund University (2012), University of Greenwich, UK (2018), Tallin University of Technology, Estonia (2018)
- International conference organiser, Tokyo, Japan (2006), Xi'an, China (2009); Sanya, China (2011)

Publication List by Ou Tang

Summary

Google Scholar: Articles = 86, Citation = 2751, h-index = 27

Web of Science: SCI articles = 58, Citation = 1101, h-index = 19

Peer-reviewed journal articles (57)

1. Liu, W., Wang, D., Tang, O., Zhu, D., (2018), The impacts of logistics service integrator's overconfidence behavior on supply chain decision under demand surge, *European Journal of Industrial Engineering*, accepted
2. Ding, H., Huang, H. and Tang, O. (2018), Sustainable supply chain collaboration with outsourcing pollutant-reduction service in power industry, *Journal of Cleaner Production*, Vol. 186, pp. 215-228
3. Wang, W., Tang, O. and Huo, J. (2018), Dynamic capacity allocation for airlines with multi-channel distribution, *Journal of Air Transport Management*, Vol. 69, pp. 173-181
4. Gao, S., Tang, O., Wang, H. and Yin, P. (2018), Identifying competitors through comparative relation mining of online reviews in the restaurant industry, *International Journal of Hospitality Management*, Vol. 71, pp. 19-32
5. Chen, L., Zhao, X., Tang, O., Price, L., Zhang, S. and Zhu, W. (2017), Supply chain collaboration for sustainability: A literature review and future research agenda, *International Journal of Production Economics*, Vol. 194, pp. 73-87
6. Tang O. and Rehme, J. (2017), An investigation of renewable certificates policy in Swedish electricity industry using an integrated system dynamics model, *International Journal of Production Economics*; Vol. 194, pp. 200-213
7. Liu, W., Zhao, X., Tang, O. and Xu, H. (2017), Impacts of demand and supply factors on the capacity scheduling performance of logistics service supply chain with mass customisation service modes: an empirical study from China, *Production Planning and Control*, Vol. 28, pp. 727-743
8. Ding, H., Zhao, Q., An, Z. and Tang, O. (2016), Collaborative mechanism of a sustainable supply chain with environmental constraints and carbon caps, *International Journal of Production Economics*, Vol. 181, pp. 191-207
9. Wei, S., Tang, O. and Liu, W. (2015), Refund pricing policies for cores with quality variation in OEM remanufacturing, *International Journal of Production Economics*, Vol. 170, pp 629-640
10. Chen, L., Feldmann, A. and Tang, O. (2015), The relationship between disclosures of corporate social performance and financial performance: Evidences from GRI reports in manufacturing industry, *International Journal of Production Economics*, Vol. 170, pp445-456
11. Wei S. Tang O. Sundin E. (2015), Core (product) acquisition management for remanufacturing: a review, *Journal of Remanufacturing*, doi:10.1186/s13243-015-0014-7
12. Wang, D., Tang, O. and Zhang L. (2015), A note on the rationing policies of multiple demand classes with lost sales, *International Journal of Production Economics*, Vol. 165, pp. 145-154
13. Wei S., Cheng D., Sundin E., Tang O. (2015), Motives and barriers of the remanufacturing industry in China, *Journal of Cleaner Production*, Vol. 94, pp.340-351
14. Wei, S. and Tang, O. (2015), Real option approach to evaluate cores for remanufacturing in service markets, *International Journal of Production Research*, Vol. 53, pp. 2306-2320
15. Chen, L., Tang, O. and Feldmann, A. (2015), Applying GRI Reports for the Investigation of Environmental Management Practices and Company Performance in Sweden, China and India, *Journal of Cleaner Production*, Vol. 98, pp 36-46
16. Liu, W., Liu, B. Tang, O., Chen, L. and Liu, X. (2014), An empirical examination of the contents and evolution of the composing factors of logistics enterprise competitiveness: a perspective from China, *International Journal of Logistics: Research and Applications*, Vol. 17, Issue 6, pp. 459-484
17. Wang, D., Tang, O. and Zhang L. (2014), A periodic review lot sizing problem with random yields, disruptions and inventory capacity, *International Journal of Production Economics*, Vol. 155, pp. 330-339
18. Wang, D. and Tang, O. (2014), Dynamic inventory rationing with mixed backorders and lost sales, *International Journal of Production Economics*, Vol. 149, pp. 56-67
19. Chen, L., Olhager, J. and Tang, O. (2014), Manufacturing facility location and sustainability: A literature review and research agenda, *International Journal of Production Economics*, Vol. 149, pp. 154-163
20. Wang, D., Tang, O. and Huo, J. (2013), A heuristic for rationing inventory in two demand classes with backlog costs and a service constraint, *Computers and Operations Research*, Vol. 40, pp 2826-2835

21. Zhang, J., Tang, O., Zhao, J., Huo, J. and Xia, Y. (2013), CPEL Redesigns its Land Express Network, *Interfaces*, Vol. 43, No. 3, pp 221–231
22. Li, J. and Tang, O. (2012), Capacity and Pricing Policies with Consumer Overflow behavior, *International Journal of Production Economics*, Vol. 140, pp 825-832
23. Zaroni, S., Segerstedt, A., Tang, O. and Mazzoldi, L. (2012), Multi-product economic lot scheduling problem with manufacturing and remanufacturing using a basic period policy, *Computers & Industrial Engineering*, Vol. 62, Issue 4, pp 1025-1033
24. Tang, O. Musa S. N. and Li. J. (2012), Dynamic pricing policy in a Newsboy problem with yield risk, *International Journal of Production Economics*, Vol. 139, Issue 1, pp 127-134
25. Grubbström, R. W. and Tang, O. (2012), The Space of Solution Alternatives in the Optimal Lotsizing Problem for General Assembly Systems Applying MRP Theory, *International Journal of Production Economics*, Vol. 140, pp 765-777
26. Tang, O. and S. Nurmaya Musa (2011), Identifying Risk Issues and Research Advancements in Supply Chain Risk Management, *International Journal of Production Economics*, Vol. 133, pp 25-34
27. Li. L., Huo, J. and Tang, O. (2011), A Hybrid Flowshop Scheduling Problem for a Cold Treating Process in Seamless Steel Tube Production, *International Journal of Production Research*, Vol. 49, No 15, pp 4679-4700
28. Azaron, A., Tang O. and Tavakkoli-Moghaddam R. (2009), Dynamic Lot Sizing Problem with Continuous-Time Markovian Production Cost, *International Journal of Production Economics*, Vol. 120, pp 607-612
29. Teunter, R., Tang, O. and Kasparis, K. (2009), Heuristics for the Economic Lot Scheduling Problem with Returns, *International Journal of Production Economics*, Vol. 118, pp 323-330
30. Wikner, J. and Tang, O. (2008), A Structural Framework for Closed-Loop Supply Chains, *International Journal of Logistics Management*, Vol. 19, No3, pp.344-366
31. Yu, L., Suojapelto, K., Hallikas, J. and Tang, O. (2008), Chinese ICT Industry from Supply Chain Perspective - A Case Study of the Major Chinese ICT Players, *International Journal of Production Economics*, Vol. 115, pp 374-387
32. Teunter, R., Kasparis, K. and Tang, O. (2008), Multi-Product Economic Lot Scheduling Problem with Separate Production Lines for Manufacturing and Remanufacturing, *European Journal of Operational Research*, Vol. 191, Issue 3, pp. 1241-1253
33. Liu, X., Tang, O. and Huang P. (2008), Dynamic Pricing and Ordering Decision for the Perishable Food of the Supermarket Using RFID Technology, *Asia Pacific Journal of Marketing and Logistics*, Vol. 20, No. 1, pp 7-22
34. Bao, X., Tang, O. and Ji J. H. (2008), Applying Minimum Relative Entropy Method for Bimodal Distribution in a Remanufacturing System, *International Journal of Production Economics*, Vol. 113, pp 969-979
35. Tang, O., Grubbström, R. W. and Zaroni, S. (2007), Planned Lead time Determination in a Make-to-Order Remanufacturing System, *International Journal of Production Economics*, Vol 108, Issues 1-2, pp. 426-435
36. Tang O. and Teunter R. (2006), Economic Lot Scheduling Problem with Returns, *Production and Operations Management*, Vol 15, No. 4, pp 488-497
37. Tang, O. and Grubbström, R. W. (2006), On Using Higher-Order Moments for Stochastic Inventory Systems, *International Journal of Production Economics*, Vol. 104, pp. 454-461
38. Grubbström, R. W. and Tang, O. (2006), The Moments and Central Moments of a Compound Distribution, *European Journal of Operational Research*, Vol. 170, Issue 1, pp. 106-119
39. Dong Li, Ou Tang, Christopher O'Brien, Xiaojun Wang (2006), Improve Food Retail Supply Chain Operations with Dynamic Pricing and Product Tracing, *International Journal of Service Operations and Informatics*, Vol. 1, No 4 pp. 347 - 362
40. Grubbström R. W. and Tang O. (2006), Optimal Production Opportunities in a Remanufacturing System, *International Journal of Production Research*, Vol. 44, Nos18-19, pp. 3953-3966
41. Zaroni, S., Ferretti, I. and Tang, O. (2006), Cost Performance and Bullwhip Effect in a Hybrid Manufacturing and Remanufacturing System with Different Control Policies, *International Journal of Production Research*, Vol. 44, Nos18-19, pp. 3847-3862
42. Wang, Q. Z., Tang O. and Tsao, D. B. (2006), A Flexible Contract Strategy in a Supply Chain with an Inflexible Production Mode, *International Journal of Operational Research*, Vol. 1. No 3 pp. 228-248
43. Zhou, L., Naim, M. M., Tang, O. and Towill, D. R. (2006), Dynamic Performance of a Hybrid Inventory System with a Kanban Policy in Remanufacturing Process, *OMEGA*, Vol. 34, Issue 6, pp.585-598
44. Tang, O. and Grubbström, R. W. (2005), Considering Stochastic Lead Times in a Manufacturing /Remanufacturing System, *International Journal of Production Economics*, Vol. 93-94, pp. 285-300

45. Tang, O. and Naim, M. M. (2004), The Impact of Information Transparency on the Dynamic Behaviour of a Hybrid Manufacturing/Remanufacturing System, *International Journal of Production Research*, Vol. 42, No. 19, pp. 4135–4152
46. Tang, O. Grubbström, R. W. and Zanoni, S (2004), Economic Evaluation of Disassembly Processes in Remanufacturing Systems, *International Journal of Production Research*, Vol. 42, pp.3603–3617
47. Tang, O. (2004), Simulated Annealing in Lot Sizing Problems, *International Journal of Production Economics*, Vol. 88, pp.173–181
48. Tang, O. and Grubbström, R. W. (2003), The Detailed Coordination Problem in a Two-Level Assembly System with Stochastic Lead Times, *International Journal of Production Economics*, Vol. 81-82, pp.415-429
49. Tang, O. and Grubbström, R. W. (2002), Rescheduling Considerations for Production Planning Using Control Theory, *International Journal of Industrial Engineering*, Vol. 9, Issue 3, pp.258-264
50. Tang, O. and Grubbström, R. W. (2002), Planning and Replanning MPS under Demand Uncertainty, *International Journal of Production Economics*, Vol. 78, pp. 323-334
51. Tang, O. (2001), Application of Transforms in a Compound Demand Process, *Promet-Traffic-Trafico*, Vol.13, No 6, pp. 355-364
52. Tang, O. (2001), A Generalised Stockout Function for Continuous Production Variables, *Promet-Traffic-Trafico*, Vol.13, No 6, pp. 365-370
53. Grubbström, R. W. and Tang, O. (2000), An Overview of Input-Output Analysis Applied to Production-Inventory Systems, *Economic Systems Research*, Vol. 12, No 1, pp. 3-25
54. Grubbström, R. W. and Tang, O. (2000), Modelling Rescheduling Activities in a Multi-Period Production-Inventory System, *International Journal of Production Economics*, Vol. 68, No 2, pp. 123-135
55. Tang, O. (2000), Modelling Stochastic Lead Times in a Production-Inventory System Based on the Laplace Transform Method, *International Journal of Production Research*, Vol. 38, No 17, pp 4217-4226
56. Grubbström, R. W. and Tang, O. (1999), Further Developments on Safety Stocks in an MRP System Applying Laplace Transforms and Input-Output Analysis, *International Journal of Production Economics*, Vol. 60-61, pp. 381-387
57. Tang, O. and Mohanty, B. (1996), Industrial Energy Efficiency Improvement Through Cogeneration: A Case Study of the Textile Industrial in Thailand, *Energy - The International Journal*, Vol.21, No 12, pp.1169-1178

Editorials (5)

1. Disney, S. M, Bogataj, M. and Tang, O. (2012), Sixteenth international working seminar on production economics, Innsbruck, 2010, *International Journal of Production Economics*, Vol. 140, pp 557-558
2. Tang, O., Matsukawa, H. and Nakashima, K.(2012), Supply Chain Risk Management, *International Journal of Production Economics*, Vol. 139, pp 1-2
3. Grubbström, Robert W., Hinterhuber, Hans H. and Tang, O. (2011), Innsbruck 2008, *International Journal of Production Economics*, Vol. 131, pp 1-3
4. Tang, O., Cao D. B., and Schvaneveldt, S. J. (2008), Institutional perspectives on supply chain management, *International Journal of Production Economics*, Vol. 115, pp 261
5. O'Brien, C. and Tang, O. (2006), Integrated Enterprise and Supply Chain Management, *International Journal of Production Economics* Vol. 101, Issue 1

Book and bookchapter (5)

1. Axsäter, S. and Tang, O. (2011), Introduction of Matrices for Production Structures and Similar Processes, in Attila Chikan, Hans H. Hinterhuber, Christopher O'Brien, Anders Segerstedt and D Clay Whybark (Eds), *Production Economics – An Evergreen* (2011), PROFIL ∞, ISBN 978-91-7393-006-2
2. Tang, O., Sandström, J., Kuittinen, H. and Kyläheiko, K. (2008), On Creating Value in Various Positions in the Value Chain – Pulp and Paper Industry Case in China, in Mostafa Hashem Sherif and Tarek M. Khalil (Eds), *Management of Technology Innovation and Value Creation* (2008), World Scientific Publishing, ISBN-13 978-981-279-053-8
3. Tang, O., Zanoni, S. and Zavanella, L. (2007) A stochastic single-vendor single-buyer model under a consignment agreement, in Jan Olhager and Fredrik Persson (Eds), *Advances in Production Management Systems*, Springer, ISBN-13 978-0-387-74156-7
4. Tang, O. (2000), Planning and Replanning within the Material Requirements Planning Environment – A Transform Approach, PROFIL 16, *Production Economic Research in Linköping*, Linköping, ISBN 91-971999-6-6

5. Grubbström, R. W. and Tang, O. (1997), Early Writings Related to the Topics of MRP and Input-Output Analysis, in Bogataj, L., Grubbström, R. W. and Bogataj, M. (Eds), *Input-Output Analysis and Laplace Transforms in Material Requirements Planning*, University of Ljubljana, pp. 33-44, ISBN 961-6044-30-3

Other selected/recent papers (19)

1. Yang, Y., Chi, H., Tang, O., Fan, T. and Zhou, W. (2018), IoT-Enabled Cross-Perishable Inventory Management: A Data Analytics Perspective, working paper, Linköping University
2. Marand, A. J., Tang, O. and Li, H. (2018), Fast or Reliable? Quandary of Service Logistics, working paper, Linköping University
3. Hao, Y., Chen, L., Zhao, X. and Tang, O. (2018), The role of information technology in supply chain finance: Investigation from Banks, Paper to be presented at the 20th International Working Seminar on Production Economics, Innsbruck, Austria, February 19-23, 2018
4. Tang, O. and Rehme, J. (2018), Hydrogen Production in Swedish Nuclear Power Sector - an Investigation of Operational and Long-term Uncertainties, Paper to be presented at the 20th International Working Seminar on Production Economics, Innsbruck, Austria, February 19-23, 2018
5. Gao, S., Tang, O., Wang, H. and Meng, Y. (2018), Does Comparative Information Matter to Helpfulness of Online Consumer Reviews? working paper, Linköping University
6. Liu, W., Zhu, D. Tang, O (2017), Pricing Decision with Conspicuous Customers: Quick Responses versus Value-Added Services, working paper, Linköping University
7. Liu, W., Zhu, D. Tang, O (2017), Service quality guarantee design: a research under demand updating and obedience behavior, submitted to International Journal of Production Research
8. Gao, S. and Tang, O. (2017), A Review of Intellectual Structure in Supply Chain Risk Management between 2000 and 2016: A Text Mining Approach, submitted to International Journal of Production Economics
9. Li, L., Tang, O. and Fan, T. (2017), Shelf-space allocation and inventory decisions for fresh produce under backroom effect, 19th International Symposium on Inventories, Budapest, Hungary, August 22-26, 2016
10. Chen, L., and Tang, O. (2015), Does the supplier involvement affect manufactures' sustainability? Presented at European Decision Sciences Institute Conference, May 31– June 3, 2015, Taormina, Italy
11. Chen, L., Feldmann, A. and Tang, O. (2014), An empirical evaluation of sustainable operations practices and performance in Swedish manufacturing industry, submitted to Journal of Cleaner Production
12. Liu, W., Li, J. and Tang, O. (2014), Analysis of research tendency of POM between 1999 to 2013, INFORMS, November 9-12, 2014
13. Tang, O., Häggglund, T. and Liu, W. (2014), Managing buffer inventory using control theory, Paper presented at the 18th International Symposium on Inventories, Budapest, Hungary, August 18-22, 2014
14. Wei, S. and Tang, O. (2014), Refund policies for core collecting from the customers' perspective, Paper presented at the 18th International Symposium on Inventories, Budapest, Hungary, August 18-22, 2014
15. Wang, D., Tang, O., Lindholm, A. and Forsman, K. (2014), Production Planning with Random Yields in a Chemical Plant, the 18th International Working Seminar on Production Economics, Innsbruck, Austria, February 24-28, 2014
16. Wei, S and Tang, (2014), Managing cores for remanufacturing during the product life-cycle, submitted to Annuals of Operations Research
17. Tang, O. and Musa, S. N. (2013), Capacity expansion in a new product diffusion process, working paper, Linköping University
18. Wang, D. and Tang, O. (2013), Inventory stacking with partial information, working paper, Linköping University
19. Robert W. Grubbström and Ou Tang (2008), The Remanufacturing Production-Inventory System with Inputs of Varying Qualities Applying MRP Theory, working paper, Linköping University