

## **CURRICULUM VITAE**

### **Name**

Ou Tang

### **Date of birth**

19690617

### **Nationality**

Swedish

### **Home address and phone number**

Bygdegatan 238, 583 31 Linköping, Sweden  
+46-13-172151

### **Working address and phone number**

Depart. of Management and Engineering, Linköping University, 581 83 Linköping, Sweden  
+46-13-281773

### **Email**

ou.tang@liu.se

### **Current positions**

Professor of Production Economics, Linköping University, Sweden  
Associate Editor, International Journal of Production Economics  
President, International Society for Inventory Research

### **Introduction**

Ou Tang is a Professor of Production Economics at Linköping University, Sweden, where he obtained a PhD in 2000. His publication has a focus on Supply Chain and Operations Management. More specifically, his research interest includes inventory modelling, manufacturing planning and control systems, closed loop supply chain management, supply chain risk management, service operations management, and China related operations management issues.

## **Working experience**

Linköping University

Professor, 2011 -

Associate Professor (docent), 2004-2010

Assistant Professor (universitetslektor), 2000.07-2004

Research Assistant, 1996-2000

Asian Institute of Technology, Bangkok, Thailand

Research Associate, 1995-1996

Nanjing Chemical Factory, Nanjing, China

Engineer, 1990-1993

Tongji University, China, guest professor, Head of Department of Management Science and Engineering (part time), 2009-2012

Shanghai Jiaotong University, China, visiting researcher and visiting professor, 2005-2008

Lappeenranta University, Finland, visiting professor, 2006

Brescia University, Italy, visiting professor, 2005

Tokyo Institute of Technology, Japan, visiting researcher, 2003-2004

Akita Prefectural University, Japan, visiting researcher, 2003-2004

## **Education background**

Tekn Dr in Production Economics, Linköping University, Sweden, 2000

MSc in Energy Technology and Management, Asian Institute of Technology, Thailand, 1995

BSc in Chemical Engineering, Wuxi Institute of Technology, China, 1990

## **Research funds (since 2005)**

1. Production location and plants roles, VINNOVA, 2010-2013, SEK 6 000 000
2. Research and Competence Development for the Process Industry, SSF (Swedish Foundation for Strategic Research), 2009-2013, SEK 27 000 000, key researcher
3. Risk management in supply chains, Malaysia Ministry of Higher Education, 2008-2011, € 121 000
4. Service operations management, Chinese National Science Foundation (NSFC70832005), CNY 1 100 000 (~SEK 1 100 000), 2009-2012
5. Disruption management and robust planning in supply chains, Chinese National Science Foundation (NSFC70732003), CNY 980 000 (~SEK 980 000), 2008-2011, key researcher
6. Game Global – pulp and paper industry, Tekes Finland and EU, sub-project € 20 000, 2006-2007, subproject supervisor
7. The dynamics of value creation in ICT value network, Tekes Finland, Nokia and TeliaSonera, sub-project € 80 000 (Project total € 1 200 000), 2005-2007, subproject supervisor
8. Interlink: supply chain sustainability, Italian Ministry of Education, € 45 000, 2006-2009, key researcher

### **Conference activities (after 2005)**

1. International Conference on Institutional Supply Chain Management, Tokyo, Japan, 2006, Xian, China, 2009, Sanya, China, 2011, organiser
2. International Working Seminar on Production Economics, Innsbruck, Austria, 2006, 2008, 2010, 2012, 2014, speaker, session chairman, guest-editor for post-conference special issues
3. International Symposium on Inventories, Budapest, Hungary, 2006, 2008, 2010, 2012, speaker, plenary speaker, session chairman
4. International Conference on Production Research, Salerno, Italy 2005, Shanghai, China 2009, Stuttgart, Germany, 2011, speaker, session chairman, member of program and advisory committee
5. Service Operations Management Forum, Barcelona, 2009, speaker
6. Game Global Workshop, Atlanta, USA, 2007, invited speaker
7. Workshop on Closed-loop Supply Chain, Fontainebleau, France, 2005, Thessalonik, Greece, 2007, Braunschweig, Germany, 2009, speaker
8. International Conference on Management of Technology, Miami Beach, USA, 2007, speaker
9. APMS (Advances in Production Management Systems) International conference, Linköping, Sweden, 2007, Como, Italy, 2010, speaker, invited speaker
10. Annual conference OCSAMSE (Overseas Chinese Scholars Association in Management Science and Engineering), Shanghai, China, 2009, Beijing, China, 2010, invited speaker
11. INFORMS Annual Meeting, San Francisco, USA, 2005, invited speaker

### **Membership**

1. Vice President and President-Elect, International Society for Inventory Research (ISIR)
2. Advisory Member and Board of Trustees, Asia Pacific Business Innovation and Technology Management Society (APBITM)
3. Invited member of Industry Studies Association (previously Sloan Industrial Research Foundation), USA

### **Editorial activities**

1. Associate/Assistant Editor, International Journal of Production Economics, since 2008
2. Editorial board member, Managerial and Decision Economics, since 2008
3. Associate Editor, Operations and Supply Chain Management – An International Journal, since 2007
4. Guest Editor, Special Issue for the Supply Chain Risk Management, International Journal of Production Economics, undergoing
5. Guest Editor, Special Issue for the Institutional Perspectives on Supply Chain Management, International Journal of Production Economics, completed in 2008
6. Guest Editor, Special Issue for the International Conference on Production Research, Virginia, USA, International Journal of Production Economics, completed in 2006

### **Referee assignment**

About 80 papers in the following international journals

1. Asia-Pacific Journal of Operational Research
2. Computers and Operations Research
3. European Journal of Operational Research
4. IIE Transactions
5. International Journal of Logistics: Research and Applications

6. International Journal of Production Economics
7. International Journal of Production Research
8. International Transactions in Operational Research
9. Journal of Operations Management
10. OMEGA – The International Journal of Management Science
11. OR Spectrum
12. Production and Operations Management

### **Teaching experience**

#### Courses for civil engineering (civilingenjör) and international master students

Linköping University, Sweden

1. TPMM06 Analysis and Improving Manufacturing Operations, international master students, 50 students/year, 2004-2006, 2008-2010, examiner
2. TPPE54 Advanced Planning and Scheduling, year 4 students in civil engineering (civilingenjör) programme, 80 students/year, 2003-2013, examiner
3. TPPE24 Economic Analysis: Decision and Financial Methodology, year 2 students in civil engineering (civilingenjör) programme, 220 students/year, 2001-2012, examiner
4. TPPE19 Production Logistics, year 3 students in civil engineering (civilingenjör) programme, 60 students/year, 2001-2002, 2009, examiner
5. TPMM05 Manufacturing Planning and Control, international master students, 60 students/year, 2001-2010, examiner
6. TPPE35 Operations Management Project, students in civil engineering (civilingenjör) programme and international master students, 20 students/year, 2008-2011, examiner

I was also involved in the courses Manufacturing Control, 15 students/year, examiner, Economic Analysis: Economic Theory, 200 students/year, co-taught, Supply chain management and simulation, 30 students/year, co-taught

#### Courses for doctoral students

1. Advances in Supply Chain and Operations Management, Linköping University, Sweden
2. Conducting Operations Management Literature Reviews, Linköping University, Sweden
3. Research Frontier in Operations Management, Shanghai Jiaotong University, China, 2005-2008
4. Seminar Series on Operations Management, Tongji University, China, 50, 2009-2012

#### Other courses

1. Production and Operations Management, EMBA course, joint program by Tongji University, China and Texas University at Arlington, USA, 50 students/year, 2005-2012
2. Short Socrates Courses, University of Magdeburg, The Technical University of Berlin, Europa-Universität Viadrina at Frankfurt (Oder), Germany, 1998

#### Doctoral students

1. Robert Casper, closed-loop supply chain of the automobile remanufacturing industry in Germany, Linköping University, 2012-, supervisor
2. Sayeh Noroozi, Production planning and control in process industry, Linköping University, 2011-, supervisor
3. Lujie Chen, Sustainability in manufacturing industry, Linköping University, 2010-, supervisor
4. Shuguo Wei, Project title: OEM remanufacturing, Linköping University, 2010-, supervisor

5. Nurmaya Musa, Project title: risk management in Supply chains, Linköping University, 2008-2012, supervisor

#### External examiner for doctoral students

1. Seyed Mojtaba Farvid, Essays on Inventory Theory, Linnaeus University, Sweden, 2014
2. Sandra Martínez Miguélez, Framework for configuration production and logistics networks of SMEs and SBUs within an internationalization process, Universidad de Navarra, Spain, External examiner
3. Nigel Wild, Ethical procurement strategies for international aid non-government organizations, University of Greenwich, UK, 2012, external examiner
4. Sugoutam Ghosh, Inventory systems with multi-class demands under continuous review: policies and algorithms, Nanyang Technological University, Singapore, 2011, external examiner
5. Po-ngarm Ratanachote, Distribution network dynamics with correlated demands, Cardiff Business School, Cardiff University, UK, 2011, external examiner
6. Akanle Oluwaremilekun Mowanuola, Agent-based methodology for the optimisation of supply chain configurations, Exeter University, UK, 2008, external examiner
7. Stefan Vidgren, Analysis of Lateral Transshipments in Inventory Systems, Lund University, Sweden, 2005, external examiner
8. Pär Brander, Essays on Lot Scheduling in Production and Disassembly, , Luleå University of Technology, Sweden, 2004, external examiner

#### Supervision of visiting post-doc and doctoral students at Linköping University

1. Daqin Wang, visiting doctoral student, Tongji University, China, 2010
2. Juan Li, postdoctoral Fellow, Shanghai Jiaotong University, China, 2009
3. Pola Cocca, visiting doctoral student, Brescia University, Italy, 2008
4. Amir Azaron, Killam postdoctoral Fellow, Dalhousie University, Canada, 2007

#### Master thesis projects

About 40 master thesis projects conducted under my supervision at Linköping University. Typical topics are supply chain management, reverse logistics, production planning and control, production efficiency, project management, customer relationship management, lean manufacturing, inventory management, business systems

#### **Administrative**

- Director, International master programme in manufacturing management, Linköping University 2008 - 2011
- Member of expert assessment committee for faculty positions, Lund University, Sweden, 2012
- Member of expert assessment committee for faculty positions, Aarhus University, Denmark, 2009
- Member of expert assessment committee for faculty positions, Malmö University, Sweden, 2009
- Coordinator in Linköping Re-group, Linköping University, 2005
- Member of the Department Leading Group, Department of Production Economics, Linköping University, 2004-2005

## PUBLICATION LIST (Ou Tang)

### Peer-reviewed journal articles (43)

1. Wei, S. and Tang, O. (2014), Real option approach to evaluate cores for remanufacturing in service markets, *International Journal of Production Research*, DOI:10.1080/00207543.2014.939243
2. 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*, DOI: /10.1080/13675567.2014.913555
3. 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
4. Chen, L., Tang, O. and Feldmann, A. (2014), Applying GRI Reports for the Investigation of Environmental Management Practices and Company Performance in Sweden, China and India, *Journal of Cleaner Production*, DOI:10.1016/j.jclepro.2014.02.001
5. 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
6. 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
7. 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
8. 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
9. Li, J. and Tang, O. (2012), Capacity and Pricing Policies with Consumer Overflow behavior, *International Journal of Production Economics*, Vol. 140, pp 825-832
10. Zanoni, 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
11. Tang, O. Musa S. N. and Li. J. (2012), Dynamic pricing policy in a Newsboy problem with supply yield risk, *International Journal of Production Economics*, Vol. 139, Issue 1, pp 127-134
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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, Issue 2, pp 969-979
22. Tang, O., Grubbström, R. W. and Zanoni, 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

23. Tang O. and Teunter R. (2006), Economic Lot Scheduling Problem with Returns, *Production and Operations Management*, Vol 15, No. 4, pp 488-497
24. 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
25. 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
26. 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
27. 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
28. Zanoni, 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
29. 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
30. 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
31. 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
32. 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
33. 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
34. Tang, O. (2004), Simulated Annealing in Lot Sizing Problems, *International Journal of Production Economics*, Vol. 88, pp.173-181
35. 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
36. 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
37. Tang, O. and Grubbström, R. W. (2002), Planning and Replanning MPS under Demand Uncertainty, *International Journal of Production Economics*, Vol. 78, pp. 323-334
38. Tang, O. (2001), Application of Transforms in a Compound Demand Process, *Promet-Traffic-Trafico*, Vol.13, No 6, pp. 355-364
39. Tang, O. (2001), A Generalised Stockout Function for Continuous Production Variables, *Promet-Traffic-Trafico*, Vol.13, No 6, pp. 365-370
40. 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
41. 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
42. 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
43. 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
44. 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), Editorial - 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), Editorial - 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), Editorial - 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, Editorial, *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  $\infty$ , 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 (9)**

1. Wei, S. and Tang, O. (2014), Refund pricing policies for cores with quality variation in OEM remanufacturing, the *18th International Working Seminar on Production Economics*, Innsbruck, Austria, February 24-28, 2014
2. Chen, L., Feldmann, A. and Tang, O. (2014), The relationship between corporate social performance and financial performance: Evidences from GRI report in manufacturing industry, the *18th International Working Seminar on Production Economics*, Innsbruck, Austria, February 24-28, 2014
3. 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
4. Wei, S and Tang, (2014), Real option approach to evaluate cores for remanufacturing in service markets, submitted to *International Journal of Production Research*
5. Wei, S and Tang, (2014), Managing cores for remanufacturing during the product life-cycle, submitted to *OMEGA*
6. Wang, D., Tang, O. (2013), A note on the rationing policies of multiple demand classes with lost sales, Submitted to *International Journal of Production Economics*
7. Tang, O. and Musa, S. N. (2013), Capacity expansion in a new product diffusion process, *working paper*, Linköping University
8. Wang, D. and Tang, O. (2013), Inventory stacking with partial information, *working paper*, Linköping University
9. Robert W. Grubbström and Ou Tang (2008), The Remanufacturing Production-Inventory System with Inputs of Varying Qualities Applying MRP Theory, *working paper*, Linköping University