

Academic Vitae

NAME: Liu YANG

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PRESENT UNIVERSITY POSITION AND DEPARTMENT: Associate Professor, Business School

EDUCATION

(Please refer from the most recent degree; please indicate research topics and dissertation topics for Doctoral or higher degrees)

Doctor of Philosophy (Ph.D.), 11/2006-04/2010

Faculty of Business, The Hong Kong Polytechnic University,

Hong Hum, Kowloon, Hong Kong S.A.R.

Major: Supply Chain Management and Management Science

Research topic: Evaluating Flexible Capacity Strategy under Demand

Uncertainty

Master of Philosophy (MPhil), 01/2004-09/2006

Department of Civil and Structure Engineering,

The Hong Kong Polytechnic University,

Hong Hum, Kowloon, Hong Kong S.A.R.

Major: Transportation Engineering

Bachelor of Engineering (B.E.), 09/1999-07/2003

Department of Civil Engineering , Tsinghua University, Beijing

Major: Civil Engineering

GENERAL WORK EXPERIENCE

(Please list here ONLY general information on your work experiences, explanations are required in later items; please follow the examples as you write.)

01/2014-present, **Associate Professor**, Business School, University of International Business

and Economics, Beijing

07/2011 to 12/2013, **Assistant Professor**, Business School, University of International Business and Economics, Beijing

11/2009 to 07/2011, **Research Associate**, Faculty of Business, The Hong Kong Polytechnic University, Hong Kong S.A.R.

06/2006 to 09/2006, **Research Assistant**, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong S.A.R.

01/2004 to 09/2004, **Research Assistant**, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong S.A.R.

RESEARCH INTERESTS

1. Supply Chain Management
2. Management Science
3. Operations Management
4. Decision Making
5. Interface between operations management and marketing

TEACHING INTERESTS

1. Management
2. Operations Management
3. Supply Chain Management
4. Management Science

RESEARCH PROJECTS

**(Please include academic research projects and entrepreneurial projects, etc.)
(Emphasis on the recent 5 years 2007-2011)**

“Empty Container Management with Empty Item Repositioning and Item Returns”,
2009-2011

GRANTS (Emphasis on the recent 5 years)

1. 2013.1-2015.12 National Natural Science Foundation of China
《 Manufacturing Flexibility Strategies under Competitive Market with
Different Structures》, **Principle Investigator** ,No. 71201028 ,RMB 220,000.
2. 2012.10-2015.9 Hong Kong RGC Public Policy Research 《 A
Time-dependent Dynamic Tariff System in an Electricity Retail Market
with CO2 Emissions Control》, **Co - Investigator** ,No. PolyU5012-PPR-12 ,
HK\$ 487,826.00.
3. 2012.1-2012.12 Competitive Research Grants for Newly Recruited Junior
Academic Staff, University of International Business and Economics,
Principle Investigator , No. 11QD05 , RMB 15,000.

HONORS AND AWARDS

Hong Kong Government Scholarship, 2006-2009.

FACULTY EXPERINCES

ACADEMIC VISITING EXPERIENCE

(11/2009-07/2011) **Visiting scholar** in the Faculty of Business, The Hong Kong Polytechnic University, Hong Kong S.A.R.

- Working on the research project “Empty container management with empty item repositioning and item return”

(01/2004-09/2004) **Visiting scholar** in the Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong S.A.R.

- Working on research in public transport information system evaluation

UNIVERSITY ADMINISTRATIVE EXPERIENCE

(Please explain the administrative positions as part of the faculty responsibilities within the university)

NONE.

TEACHING EXPERIENCE

(Please indicate the complete teaching experiences)

UNDERGRADUATE LEVEL

(02/2014-present) **Management Quantitative Methods**, University of International Business and Economics (UIBE)

- Teach course on Management

(02/2014-present) **Logistics Management**, UIBE

- Teach course on Management

(09/2012-present) **Supply Chain Management**, UIBE

- Teach course on Management

(09/2012-present) **Supply Chain Management**, UIBE

- Teach course on Management

(09/2011-present) **Management**, UIBE

- Teach course on Management

(01/2008-06/2008) **Management Science**, The Hong Kong Polytechnic University (HKPolyU)

- Gave tutorial to the course on Management Science.

POSTGRADUATE LEVEL

NONE

PUBLICATIONS

(Please list the publications from the most recent 5 years (2008.6-2013.6) AND the important publications before 2008; follow the categories and examples, write "None" if there is no works for particular category; include those which belong to none of the categories in "Others.")

1. JOURNAL ARTICLE

1. **Yang, L.** and C.T., Ng, 2014. Flexible capacity strategy with multiple market periods under demand uncertainty and investment constraint. *European Journal of Operational Research*, in press, available online 15 January 2014.
2. **Yang L.**, Y. Wang, J. Ma, C.T. Ng and T.C.E. Cheng, 2014. Technology investment under flexible capacity strategy with demand uncertainty. *International Journal of Production Economics*, accepted.
3. Dong C., B. Shen, P.S. Chow, **L. Yang** and C.T. Ng, 2014. Sustainability investment under cap-and-trade regulation. *Annals of Operations Research*, accepted.
4. **Yang, L.**, C. Dong, C.L.J. Wan and C.T. Ng, 2013. Electricity time-of-use tariff with consumer behavior consideration. *International Journal of Production Economics*, 146(2), 406-410.
5. Zhao Y., **L. Yang**, T.C.E. Cheng, L. Ma and X. Shao, 2013. A value-based approach to option pricing: The case of supply chain options. *International Journal of Production Economics*, 143(1), 171-177.
6. **Yang, L.**, C.T., Ng and T.C.E. Cheng, 2011. Optimal Production Strategy under Fluctuating Demands: Technology versus Capacity. *European Journal of Operational Research*, 214, 393-402.
7. **Yang, L.**, **C.T.**, Ng and T.C.E. Cheng, 2010. Evaluating the Effects of Distribution Centres on the Performance of Vendor-Managed Inventory Systems. *European Journal of Operational Research*, 201(1), 112-122.
8. Meng, Q., W.H.K., Lam and **L. Yang**, 2008. General Stochastic User Equilibrium Traffic Assignment Problem with Link Capacity Constraints. *Journal of Advanced Transportation*, 42(4), 429-465.
9. **Yang, L.** and W.H.K. Lam, 2006. Probit-type Reliability-based Transit Assignment Model. *Transportation Research Record-Series, Travel Demand and Land Use* 2006, 154-163.

2. RESEARCH MONOGRAPH

NONE.

3. BOOK

YANG Liu, 2010. Evaluation of Flexible Capacity Strategy under Demand Uncertainties: Formulation, Comparison, Competition. Lambert Academic Publishing.

4. CHAPTERS IN BOOK

NONE.

5. CONFERENCE & MEETING PROCEEDING

Yang, L. and W.H.K. Lam, 2006. Modelling the Effects of ETIS Market Penetration in Network with Unreliable Transit Services. *Proceedings of The 11th Conference for Hong Kong Society for Transportation Studies*, 553-562, Hong Kong S.A.R.

Yang, L. and W.H.K. Lam, 2006. Probit-type Reliability-based Transit Assignment Model. *Proceedings of Transportation Research Board 85th Annual Meeting*. 22-26 January 2006, Washington D.C., USA. (CD-ROM).

Yang, L. and W.H.K. Lam, 2005. Probit-Based Multi-Class Transit O-D Estimation in Networks with Personal Public Transport Information System. *Proceedings of The 10th Conference for Hong Kong Society for Transportation Studies*, 510-519, Hong Kong S.A.R.

Yang, L. and W.H.K. Lam, 2004. Use of Personal Public Transport Information System to Optimize Passenger Total Travel Time. *Proceedings of The 9th Conference for Hong Kong Society for Transportation Studies*, pp. 443-452, Hong Kong S.A.R.

6. PAPER & PRESENTATION

Yang, L., C.T. Ng, T.C.E. Cheng and M. Pinedo, Jul 2013. "Two-hierarchy strategic model under competition: technology investment and capacity construction." MSOM 2013 Annual Meeting: Paris, France. **(Section Chair)**

Yang, L., C.T. Ng, T.C.E. Cheng and M. Pinedo, Jul 2013. "Capacity strategy with technology investment in a duopoly competitive competition under demand uncertainty." The 26th European Conference on Operational Research: Rome, Italy.

(Section Chair)

Yang, L. and C.T. Ng, July 2012, “Manufacturing flexibility in an oligopoly competition with demand uncertainty.” The 25th European Conference on Operational Research: Vilnius, Lithuania.

Yang, L., C.T. Ng, T.C.E. Cheng and M. Pinedo, Jul 2011. “Long-term investment in technology, make-to-stock with holdback and make-to-order strategies.” IFORS Triennial 2011 Conference: Melbourne, Australia.

Yang L. and C.T. Ng, Jun 2010, “Modeling Flexible Capacity Strategy with Flexibility Degree under Competition and Demand Uncertainty.” MSOM 2010 Annual Meeting: Haifa, Israel.

Yang, L. and C.T. Ng, July 2010. “Flexible Capacity Strategy in an Asymmetric Oligopoly Market with Competition and Demand Uncertainty.” The 24th European Conference on Operational Research: Lisbon, Portugal.

Yang, L. and C.T. Ng, July 2009. “Optimal Production Strategy under Fluctuating Demands: Technology versus Capacity.” The 23th European Conference on Operational Research: Bonn, German.

Yang, L., C.T. Ng and T.C.E. Cheng, May 2009. “Effects of Distribution Centre on Vendor-Managed Inventory System with Multiple Retailers.” International Forum on Shipping, Ports and Airports 2009 Conference: Hong Kong S.A.R.

Yang, L. and C.T. Ng, May 2008. “Investments in Flexibility and Productivity with Demand Uncertainty.” International Forum on Shipping, Ports and Airports 2008 Conference: Hong Kong S.A.R.

Yang, L. and W.H.K. Lam, July 2005. “Probit-based Reliability-based Transit Assignment Model.” IFORS Triennial 2005 Conference: Hawaii, USA.

7. BOOK REVIEW

NONE.

8. OTHERS (peer reviewed cases with instructional materials, instructional software, publicly available material describing the design and implementation of new curricula or courses, technical reports related to funded projects, publicly available research working papers, etc. please specify)

NONE.

PROFESSIONAL EXPERIENCE

(Please indicate ALL working experiences in addition to Academic Visiting/University Administrative/Teaching experiences; especially professional experiences within the most recent 5 years. "Entrepreneurial Experiences" includes both full-time and part-time positions, e.g. permanent positions, trainer, etc. "Consulting Experiences" refers to the paid knowledge and information consultancy to achieve business goals. "Community Services" indicates the faculty responsibilities in addition to teaching and researching activities, such as curriculum development, dissertation defense, faculty interview, academic committee membership, etc.)

ENTREPRENEURIAL EXPERIENCES

NONE.

CONSULTING EXPERIENCES

NONE.

CUMMUNITY SERVICES

(Please indicate faculty responsibilities except teaching and research responsibilities: e.g. curriculum development, dissertation defense, faculty interview, academic committee membership, etc.)

2011-present, **Associate Editor**, 《International Journal of Shipping, Transportation and Logistics》 .

PROFESSIONAL DEVELOPMENT

(Please indicate the professional activities, especially those within the most recent 5 years(2008.6-2013.6); write "None" if no activity is referred.)

SYMPOSIUMS

NONE.

SEMINARS

NONE.

WORKSHOPS

NONE.

MEETINGS

NONE.

CONFERENCES

NONE.

OTHER EXPERIENCE

**(Please indicate any experience which is not included in “Faculty Experience,”
“Professional Experience,” or “Professional Development.”)**

NONE.