

Zhibin (Ben) Yang

Lundquist College of Business, 1208 University of Oregon, Eugene, OR 97403

zyang@uoregon.edu :: (541) 346-3308 (voice) :: (541) 346-3341 (fax)

EDUCATION

- Aug., 2009 Ph.D. in Industrial & Operations Engineering, University of Michigan.
Dissertation: *On Supply Risk and Asymmetric Information*.
Advisors: Goker Aydin (co-chair), Volodymyr Babich (co-chair) and
 Damian Beil
- Dec., 2002 M.S. in Industrial Engineering, Arizona State University, Tempe.
Concentration: *Enterprise Information Systems*.
Thesis: Robust Information System.
Advisor: Nong Ye
- July, 1994 B.S. in Mechanical Engineering, Southwest Jiao-Tong University, China.

ACADEMIC POSITION

- Sep., 2015- *Associate Professor (tenured)*, Lundquist College of Business, University of
 Oregon.
- Sep., 2009-Jun. 2015 *Assistant Professor*, Lundquist College of Business, University of Oregon.

APPOINTMENT

- 2018-2020 James F. and Shirley J. Rippey Research Scholar (till June, 15th, 2020).

INDUSTRIAL EXPERIENCE

- 1999-2000 *Product Manager*, Systems & Technology Inc. (Taiwan), Beijing, China.
- 1997-1999 *Technical Sales*, AI Consulting (Hong Kong), Beijing, China.
- 1994-1997 *Assistant Engineer*, China Academy of Railway Sciences, Beijing, China.

AFFILIATION (UNIVERSITY OF OREGON)

- 2018- *Collaborating Faculty Member*, Center for Big Learning, University of Oregon
 (funded by National Science Foundation)
- 2016- *Collaborating Faculty Member*, Center for Cyber Security, University of Oregon
- 2009- *Collaborating Faculty Member*, Center for Sustainable Business Practices,
 Lundquist College of Business, University of Oregon.

RESEARCH INTEREST

- Supply chain risk management.
- Supply chain contracting.
- Distribution channel design.
- Supply chain finance.
- Sustainable supply chain.
- Principal-agent models and applied game theory in supply chain management.
- Machine learning and artificial intelligence

REFEREED PUBLICATION

Zhibin Yang, X. Hu, H. Gurnani, and H. Guan. Multichannel Distribution Strategy: Selling to a Competing Buyer with Limited Supplier Capacity. To appear in *Management Science*.

Zhibin Yang and V. Babich, 2014. Does a Procurement Service Provider Generate Value for the Buyer through Information about Supply Risks?. *Management Science* 61(5), 979-998.

Zhibin Yang, G. Aydin, V. Babich, and D. R. Beil, 2012. Using a Dual-Sourcing Option in the Presence of Asymmetric Information about Supplier Reliability: Competition vs. Diversification. *Manufacturing and Service Operations Management* 14(2), 202-217. (runner-up for the 2016 iFORM SIG best paper award of the M&SOM society)

Zhibin Yang, G. Aydin, V. Babich, and D. R. Beil, 2009. Supply Disruptions, Asymmetric Information and a Backup Production Option. *Management Science* 55(2), 192-209.

Zhibin Yang, N. Ye and Y.-C. Lai, 2006. QoS model of a router with feedback control. *Quality and Reliability Engineering International* 22(4), 429-444.

N. Ye, **Zhibin Yang**, Y.-C. Lai, and T. Farley, 2005. Enhancing router QoS through job scheduling with weighted shortest processing time-adjusted. *Computers & Operations Research* 32(9), 2255-2269.

PAPER UNDER REVIEW

Wenbo Wu, Jiaqi Chen, and **Zhibin Yang**. Hedge Fund Return Prediction and Fund Selection: A Machine-Learning Approach. Under second-round review at *Management Science*.

Hossein Rikhtehgar Berenji, Nagesh Murthy, and **Zhibin Yang**. Committing to Contract for a Supplier's Social and Environmental Compliance. Submitted to *Manufacturing and Service Operations Management*.

Zhibin Yang and N. Murthy. Timing and Signaling Considerations for Recovery from Supply Chain Disruption. Invited for the second-round review at *Production and Operations Management*.

WORK IN PROGRESS

Supplier Encroachment with Private Cost Information (with Huiqi Guan and Haresh Gurnani).
Manuscript in preparation.

Design of Decentralized Omni-channel.

REFEREED BOOK CHAPTER

Babich V. and **Zhibin Yang**, “Contracting under Supply Disruptions” Chapter 8 in Handbook of Information Exchange in Supply Chain Management, editors: C. Tang and A. Ha, *Springer*, 145–170, 2016.

Aydin G., V. Babich, D. Beil, and **Zhibin Yang**. Decentralized Supply Risk Management. Handbook of Integrated Risk Management in Global Supply Chains. Ed. P. Kouvelis, O. Boyabatli, L. Dong, and R. Li.: *John Wiley & Sons Inc.*, 2012.

CONFERENCE PRESENTATION

- Project proposal: Deep Learning for Improving Stock Market Investment. NSF Center for Big Learning Kickoff Meeting 2018, Gainesville, FL.
- Supplier Encroachment with Private Selling Cost Information. *POMS Meeting* 2016, Orlando; 2017 Seattle; INFORMS, 2017. (presented by student)
- Auditing Supplier for Social and Environmental Compliance. *POMS Meeting* 2016, Orlando. (presented by student)
- Selling to a Competing Buyer with Limited Supplier Capacity. *POMS Meeting* 2016, Orlando.
- Timing and Signaling Considerations for Recovery from Supply Chain Disruption. *POMS Meeting* 2015, Washington DC.
- Selling to a Competing Buyer with Limited Supplier Capacity. *POMS Meeting* 2015, Washington DC.
- To Supply or Not to Supply to a Competing Buyer. *INFORMS Meeting* 2014, San Francisco.
- Does a Procurement Service Provider Generate Value for the Buyer through Information about Supply Risks?. *POMS Meeting* 2014, Atlanta.
- Should Buyers use Procurement Service Providers when Suppliers have Private Information about Supply Disruptions?. *INFORMS Meeting* 2013, Minneapolis.
- To Supply or Not to Supply to a Competing Buyer?. *INFORMS Meeting* 2013, Minneapolis.
- Should Buyers use Procurement Service Providers when Suppliers have Private Information about Supply Disruptions?. *M&SOM Conference* 2013, INSEAD.
- Intermediated Sourcing under Supply Chain Disruption Risk. *INFORMS Meeting* 2012, Phoenix.
- Timing and Signaling Considerations for Recovery from Supply Chain Disruption. *INFORMS Meeting* 2012, Phoenix.
- Timing and Signaling Considerations for Recovery from Supply Chain Disruption. *M&SOM Conference* 2012, Columbia University.

- Timing and Signaling Considerations for Recovery from Supply Chain Disruption. *POMS Annual Meeting 2012*, Chicago.
- Competition for Market and Supply under Asymmetric Information. *POMS Annual Meeting 2012*, Chicago.
- Subcontracting with Transactional and Contractual Customers. *POMS Annual Meeting 2012*, Chicago.
- Subcontracting with Transactional and Contractual Customers. *INFORMS Annual Meeting 2011*, Charlotte.
- Subcontracting with Transactional and Contractual Customers: Improving Supply Chain Coordination by Limiting Booking Allowances. *POMS Annual Meeting 2011*, Reno, NV.
- Using a Dual-Sourcing Option in the Presence of Asymmetric Information about Supplier Reliability: Competition vs. Diversification. *INFORMS Annual Meeting 2010*, Austin.
- Delegation under Supply Risk and Asymmetric Information. *INFORMS Annual Meeting 2009*, San Diego.
- On Supply Risk and Asymmetric information. *INFORMS Annual Meeting 2008*, Washington D.C.
- Supply Risk, Information Asymmetry and Dual-Sourcing. *Manufacturing & Service Operations Management Conference 2007*, Tsinghua University, Beijing; *INFORMS Annual Meeting 2007*, Seattle; *INFORMS Mid-west Regional Conference 2007*, Northwestern University.
- Supply Risk, Information Asymmetry and a Backup Production Option. *INFORMS Annual Meeting 2006*, Pittsburgh; *Manufacturing & Service Operations Management Conference 2006*, Georgia Tech.

INVITED TALK AND VISIT

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| 2016 | Lee Kong Chiang School of Business, Singapore Management University (visit only). |
| 2014 | School of Management, Xiamen University, China (visit only). |
| 2011 | <p>“Using a Dual-Sourcing Option in the Presence of Asymmetric Information about Supplier Reliability.”</p> <ul style="list-style-type: none"> ▪ City University of Hong Kong. ▪ Peking University, Beijing, China. |
| 2009 | <p>“Supply Risk and Asymmetric information.”</p> <ul style="list-style-type: none"> ▪ Northwestern University. ▪ Boston College. |
| 2008 | <p>“Supply Risk and Asymmetric information.”</p> <ul style="list-style-type: none"> ▪ Department of Information Systems, Business Statistics, and Operations Management, Hong Kong University of Science and Technology. ▪ Department of Industrial Engineering and Logistics Management, Hong Kong University of Science and Technology. ▪ Washington University in St. Louis. ▪ Indiana University. |

RESEARCH WORKSHOP CONDUCTED

2011 Workshop on “Decentralized Supply Chain Risk Management”
National University of Taiwan, Taipei, Taiwan.

RESEARCH EXPERIENCE AND FUNDED RESEARCH

Collaborating Faculty, Center for Big Learning, University of Oregon
Funded by National Science Foundation, since 2018.

Collaborating Faculty (with Jun Li, Kevin Butler, Dejing Dou, Xintao Wu, Colin Koopman, and Eric Priest)
“Tackling Internet Privacy from Technical, Social, Economical and Legal Perspectives”.
Funded by: *Incubating Interdisciplinary Initiatives (I3)*, the University of Oregon.
Amount funded: \$50,000 for 2014.

Visiting Researcher, Industrial Engineering and Logistics Management, Hong Kong University of Science and Technology.
“Maritime Supply Chain Management”, August 2012 (two weeks).

Collaborating Faculty (Principal Investigator, Nagesh N. Murthy)
“MFG-21 Northwest Manufacturing Initiative: Lean, Agile, and Sustainable Operations and Supply Chain Management: A Cradle-to-Cradle Perspective using the Triple Bottom Line.”
Funded by: Organization for Economic Initiatives (OEI)/Defense Logistics Agency (DLA)/Department of Defense (DoD) in 2010, Contracted in 2011.
Amount Funded: \$165,000, Provides partial research support for four faculty.

Collaborating Faculty (Principal Investigator, Nagesh N. Murthy)
“MFG-21 Northwest Manufacturing Initiative: University of Oregon’s Leadership to Enhance Agility, Productivity, and Sustainability (UO-LEAPS) for Manufacturing Competitiveness in Oregon.”
Funded by: OEI/DLA/DoD in 2009, Contracted in 2010.
Amount Funded: \$230,000, Provides partial research support for six faculty.

Graduate student investigator (Faculty Co-PI’s: Goker Aydin, Volodymyr Babich, and Damian Beil)
“Supply Risk Management and Asymmetric Information” (NSF Grant CMMI-MES: #0800158)
Funded by: **National Science Foundation**, September 2008 – August 2010
Amount Funded: \$220,000.

My function:

- Created the proposal based on my original idea proposed for dissertation
- Actively participated in writing the proposals in both rounds of application
- Worked as the only graduate student investigator in accomplishing this project

HONOR AND AWARD

- 2017 First place in the national SAS Analytics Shootout 2017.
Co-advised a team of 4 LCB undergraduate students to participate in national competition of 57 student teams organized by SAS.
- 2016 Meritorious Service Award at the *M&SOM* journal.
- 2015 Paper selected as the runner up in 2015 iFORM Best Paper Award competition.
Yang Z., G. Aydin, V. Babich, D. Beil, 2012, "Using a Dual-Sourcing Option in the Presence of Asymmetric Information about Supplier Reliability: Competition vs. Diversification".
- 2008 First place in the oral presentation competition of Engineering Graduate Symposium, University of Michigan.
- 2007 Selected to attend INFORMS Future Academician Colloquium, Seattle, WA, 2007 (about 50 doctoral students selected nationally).
- 2007 Selected to attend IIE Doctoral Colloquium, Nashville, TN, 2007 (about 50 doctoral students selected nationally).
- 2007 Travel award for the 4th Mini-Conference on Integrated Risk Management in Operations and Global Supply Chain Management, Washington University in St. Louis, 2007.
- 2006 Travel award for the 3rd Mini-Conference on Integrated Risk Management in Operations and Global Supply Chain Management, University of Michigan, 2006.

TEACHING EXPERIENCE

- OBA 613 Operations Management (MBA core)
- Winter 2018
- OBA 466/566 Operations and Project Management Models (senior and MBA elective).
- Winter 2010, 2011, 2013-2017.
- OBA 335 Operations Management (undergraduate core)
- Fall 2009-2018; Winter 2010, 2011, 2013-2018.
- DSC 335 Honor Operations Management. Fall 2011.

TEACHING INTEREST

Operations Management, Supply Chain Management, Project Management, and Supply Chain Risk Management.

REVIEWER FOR JOURNAL AND CONFERENCE

- Senior Editor: *Production and Operations Management* Journal, 2017 - present.
- Ad hoc* Reviewer *MS&OM* iFORM SIG Conference, 2011 and 2014.
- Judge *Manufacturing and Service Operations Management* Student Paper Competition, 2014, 2015.

Production and Operations Management Supply Chain Paper Competition, 2013.
2015.

Reviewer for the following journals

Management Science

Manufacturing and Service Operations Management

Operations Research

Production and Operations Management

Naval Research Logistics

Decision Sciences Journal

IIE Transaction

OMEGA

Journal of Systems Science and Systems Engineering

ADVISING

Co-advisor Hossein Rikhtehgar Berenji, Nagesh Murthy, PhD dissertation, 2015 -.

Advisor Alex Sudeora, Clark Honors College Thesis. Agile scrumban project management in IT audit. September 2016-June 2017.

PROFESSIONAL SERVICE

Session Chair: POMS Meeting, 2017.

Cluster Co-chair, iFORM SIG cluster, INFORMS Meeting, 2014.

Session Co-Chair, “Supply and Distribution Risk Management” (in M&SOM/Supply Chain cluster), INFORMS Meeting 2013, Minneapolis.

Session Chairs, “Supply Chain Risk Management” (in M&SOM/iFORM cluster) and “Supply Chain Risk and Information” (in Supply Chain Management cluster), INFORMS Meeting 2012, Phoenix.

Session Chair, POMS Meeting 2012.

Treasurer, INFORMS Pacific Northwest Chapter, 2011-2013.

SERVICE TO THE DEPARTMENT/COLLEGE/UNIVERSITY

2018-2019 *Co-chair*, faculty search committee of Operations and Business Analytics.

2017-2018 *Committee member*, faculty search committee of Operations and Business Analytics.

Fall, 2014- *Chair*, Undergraduate Program Committee, Lundquist College of Business, University of Oregon.

2014-2017 *Committee member*, Graduate Council, University of Oregon.

2012-2014 *Committee member*, Undergraduate Program Committee, Lundquist College of Business, University of Oregon.

2010-2013 *Departmental Representative* to the University Library, Lundquist College of Business, University of Oregon.

2010-2013 *Committee member*, OM Faculty Search Committee of the Decision Science Department.

PROFESSIONAL SOCIETY MEMBERSHIP

- Institute for Operations Research and Management Science (INFORMS).
- Manufacturing and Service Operations Management (M&SOM) society.
- Production and Operations Management Society (POMS)