

Zhibin (Ben) Yang

Lundquist College of Business, 1208 University of Oregon, Eugene, OR 97403
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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 (with tenure)*, Lundquist College of Business, University of Oregon.
- Sep., 2009-Sep., 2015 *Assistant Professor*, Lundquist College of Business, University of Oregon.

APPOINTMENT

- Sep., 2018-Jun., 2020 James F. and Shirley J. Rippey Research Scholar.
- Sep., 2020-Jun., 2022 Edwin E. and June Woldt Cone Research Scholar.

INDUSTRIAL EXPERIENCE

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

AFFILIATION (UNIVERSITY OF OREGON)

- 2018-2019 *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.
- Information, incentive and contracting in the supply chain.
- Distribution channel design.

- Sustainable supply chain.
- Innovation and supply chain.
- Financial forecast.
- Applied machine learning and artificial intelligence.

REFEREED PUBLICATION

- W. Wu, J. Chen, **Zhibin Yang**, M. L. Tindall, 2021. A Cross-Sectional Machine Learning Approach for Hedge Fund Return Prediction and Selection. *Management Science* 67(7):4577-4601.
- Zhibin Yang**, X. Hu, H. Gurnani, and H. Guan, 2016. Multichannel Distribution Strategy: Selling to a Competing Buyer with Limited Supplier Capacity. *Management Science* 64(5), 1975-2471.
- 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

- Hossein Rikhtehgar Berenji, Nagesh Murthy, and **Zhibin Yang**. Committing to Contract for a Supplier's Social and Environmental Compliance. Minor revision at *Manufacturing and Service Operations Management*. (Best Problem-Driven Analytical Research Paper, 2019 at Decision Science Institute)
- Huiqi Guan, **Zhibin Yang**, and Haresh Gurnani Value of Information with Supplier Encroachment. Major revision at *Production and 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

Innovation and Co-opetition in the Supply Chain (with Ning Jie). In progress.

REFEREED BOOK CHAPTER

- Babich V. and **Zhibin Yang**, Supply Disruptions and Procurement Contracting. Handbook of Information Exchange in Supply Chain Management, editors: C. Tang and A. Ha, Springer, 145–170, 2017.
- 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

- Using Auditing and Commitment for Engaging a Supplier for Supply Chain Sustainability. *INFORMS 2018, Phoenix*. (presented by student)
- 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 | “Using a Dual-Sourcing Option in the Presence of Asymmetric Information about Supplier Reliability.” <ul style="list-style-type: none"> ▪ City University of Hong Kong. ▪ Peking University, Beijing, China. |
| 2009 | “Supply Risk and Asymmetric information.” <ul style="list-style-type: none"> ▪ Northwestern University. ▪ Boston College. |
| 2008 | “Supply Risk and Asymmetric information.” <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

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

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| 2021 | 2020 <i>M&SOM</i> Meritorious Service Award. |
| 2019 | Best Problem-Driven Analytical Research Paper at Decision Science Institute. |
| 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 | 2015 <i>M&SOM</i> Meritorious Service Award. |
| 2015 | Runner up in 2015 iFORM Best Paper Award.
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, 2019
- OBA 466/566 Operations and Project Management Models (senior and MBA elective).
 - Winter 2010, 2011, 2013-2019.
- 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.

REVIEW FOR JOURNAL AND CONFERENCE

- Senior Editor: *Production and Operations Management Journal*, 2017 - 2020.
- 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, PhD dissertation, 2015 – Spring 2019 (with Nagesh Murthy).

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

2021- Member, Undergraduate Council, University of Oregon.

2020- *Member*, Promotion and Tenure Committee, Lundquist College of Business.

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-Spring 2019

Chair, Undergraduate Program Committee (UGPC), 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)