

SAMMI YU TANG

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School of Business
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ACADEMIC POSITIONS

- 06/2015 – present **School of Business, University of Miami**, Coral Gables, FL
Associate Professor (with tenure)
- 08/2008 – 05/2015 **School of Business, University of Miami**, Coral Gables, FL
Assistant Professor

EDUCATION

- 2005 – 2008 **John M. Olin Business School, Washington University**, St. Louis, MO
Ph.D. in Operations and Manufacturing Management
- 2003 – 2005 **John M. Olin Business School, Washington University**, St. Louis, MO
M.S. in Business Administration
- 1997 – 2001 **Peking University**, Beijing, China
B.S. in Geophysics
- 1997 – 2001 **China Center for Economic Research, Peking University**, Beijing, China
B.S. in Economics

RESEARCH INTERESTS

- Supply chain risk management, business interruption insurance policy, supply reliability improvement under supply disruption, responsible sourcing
- Economics of operational processes, outsourcing and procurement strategies, information sharing, supply chain management
- OM/Marketing interfaces
- OM/Healthcare interfaces

RESEARCH ACTIVITIES

PUBLICATIONS

- Li, Y., **S.Y. Tang**, J. Johnson, D. Lubarsky (2019). Individualized No-show Predictions: Effect on Clinic Overbooking and Appointment Reminders. *Production and Operations Management*. Forthcoming doi:10.1111/poms.13033
- Tian, Z., **S.Y. Tang**, P. Kouvelis (2019). Soft Order Commitment in Supply Chains: Role of Penalties and Rationing Rules. *Decision Sciences*, **50**(2) 340-373.
- Dong, L., **S.Y. Tang**, B. Tomlin (2018). Production Chain Disruptions: Inventory, Preparedness, and Insurance. *Production and Operations Management*, **27**(7) 1251-1270. (CSAMSE 2018 BEST PAPER AWARD)
- **Tang, S.Y.**, P. Kouvelis. (2014). Pay-Back-Revenue-Sharing Contract in Coordinating Supply Chains with Random Yield. *Production and Operations Management* **23**(12) 2089-2102.
- **Tang, S.Y.**, H. Gurnani, D. Gupta. (2014). Managing Disruptions in Decentralized Supply Chains with Endogenous Supply Reliability. *Production and Operations Management* **23**(7) 1198-1211.
- Kouvelis, P., **S.Y. Tang**. (2012). On Optimal Expediting Policy for Supply Systems with Uncertain Lead-times. *Production and Operations Management* **21**(2) 309-330.
- **Tang, S.Y.**, P. Kouvelis. (2011). Supplier Diversification Strategies in the Presence of Yield Uncertainty and Buyer Competition. *Manufacturing & Service Operations Management* **13**(4) 439-451.
- Yu, D.Z., **S.Y. Tang**, J. Niederhoff. (2011). On the Benefits of Operational Flexibility in a Distribution Network with Transshipment. *OMEGA, The International Journal of Management Science* **39**(3) 350-361.

MANUSCRIPTS UNDER REVIEW

- H. Gurnani, S. Singh, **S.Y. Tang**, H. Wang (2018). Service Provision in Distribution Channels. Under major revision at *Marketing Science*.

MANUSCRIPTS IN PREPARATION & WORK IN PROGRESS

- Huang, H., **S.Y. Tang**, H. Xu, D. Liu. Incentives for Information Transparency under Vertical Information Asymmetry. Under revision and to be resubmitted.
- Resolving Supplier Information Asymmetry: Reliability or Improvement Cost? (with Yutian Li) Manuscript in preparation. To be submitted.

- Effect of Information Proximity on Multi-tier Responsible Sourcing (with Jeannette Song). Manuscript in preparation. To be submitted.
- Two Component Assembly System with Sequential Component Production Decision (with Rick So, Guang Xiao). Work in progress

FUNDED RESEARCH

- 2012 – 2013 Principal Investigator, Promoting Experience Goods: Advertising, Couponing, or Grouponing? Funded by University of Miami, \$11,500.
- 2009 – 2010 Principal Investigator, Optimal Sourcing and Subsidy Policy When Supplier Has Random Yield Loss. Funded by University of Miami, \$10,500.

RECENT CONFERENCE PRESENTATIONS (2014 -)

- Production Chain Disruptions: Inventory and Interruption Insurance (with L. Dong, B. Tomlin), *Invited Talk*, CSAMSE Annual Meeting, Ningbo, China, July 2018
- Incentives for Information Transparency under Vertical Information Asymmetry (with H. Huang, H. Xu, D. Liu), *Invited Talk*, CSAMSE Annual Meeting, Ningbo, China, July 2018
- Effect of Information Proximity on Multi-tier Responsible Sourcing Governance Structure (with J-S Song, R. Swinney), *Invited Talk*, POMS Annual Conference, Houston, TX, May 2018
- Resolving Supplier Information Asymmetry: Reliability or Improvement Cost? (with Y. Li), *Invited Talk*, DSI Annual Meeting, Washington D.C. November, 2017
- Resolving Supplier Information Asymmetry: Reliability or Improvement Cost? (with Y. Li), *Invited Talk*, INFORMS Annual Meeting, Houston, TX, October, 2017
- Incentives for Information Transparency under Vertical Information Asymmetry (with H. Huang, H. Xu), *Invited Talk*, INFORMS Annual Meeting, Houston, TX, October, 2017
- Resolving Supplier Information Asymmetry: Reliability or Improvement Cost? (with Y. Li), *Invited Talk*, POMS Annual Conference, Seattle, WA, May 2017
- Improving Patient Satisfaction: Customizing Patient Appointment (with Y. Li, J. Johnson), *Invited Talk*, INFORMS Annual Meeting, Nashville, TN, November 2016
- Managing Supply Disruptions Under Asymmetric Information About Supply Reliability and Cost of Improvement (with Y. Li), *Invited Talk*, POMS Annual Conference, Orlando, FL, May 2016
- The Effect of Information Transparency of B2B Online Markets under Vertical Information Asymmetry (with H. Xu, H. He), *Invited Talk*, POMS Annual Conference, Orlando, FL, May 2016
- Optimal Design of Sales Service Channel (with H. Wang, H. Gurnani), *Invited Talk*, INFORMS Annual Meeting, Philadelphia, PA, November 2015

- Duopolistic Procurement Contracts with Horizontal Information Asymmetry (with H. Xu, H. He), *Invited Talk*, INFORMS Annual Meeting, Philadelphia, PA, November 2015
- A Hierarchical Bayes Model of No-show Rates (with Y. Li, J. Johnson), *Invited Talk*, INFORMS Annual Meeting, Philadelphia, PA, November 2015
- Production Chain Disruptions: Inventory and Interruption Insurance (with L. Dong, B. Tomlin), *Invited Talk*, POMS Annual Conferences, Washington D.C., May 2015
- Production Chain Disruptions: Inventory and Interruption Insurance (with L. Dong, B. Tomlin), *Invited Talk*, INFORMS Annual Meeting, San Francisco, CA, November 2014
- Interplay Between Inventory and BI Interruption Insurance in a Production Chain (with L. Dong, B. Tomlin), *Extended Abstract Accepted for Oral Presentation after Peer-Review*, MSOM Annual Conference, Seattle, WA, June 2014
- Production Chain Disruptions: Inventory and Interruption Insurance (with L. Dong, B. Tomlin), *Invited Talk*, POMS Annual Conference, Atlanta, GA, May 2014

DISSERTATION COMMITTEES AND DOCTORAL STUDENTS

- Yutian Li, 2018 (advisor; placement: University of Science and Technology of China)
- Fang Fang, 2016 (member; placement: California State University, Los Angeles)
- Zuoming Liu, 2016 (member; placement: Lynchburg College)
- Huaqing Wang, 2014 (member; placement: University of Wisconsin, Stout)

TEACHING ACTIVITIES

GRADUATE

- *Building Supply Chain Responsiveness Through Flexibility* module in BUS661 at University of Miami 2016 – 2018
The Miami Executive MBA for the Americas. Average student rating: **4.83/5**
- *Principles of Supply Chain Management* (MGT645) at University of Miami Fall 2014, 2016, 2018
MBA level case-based course that explores models for supply chain design, coordination, sourcing and risk management. Average student rating: **4.50/5**
- *Managing Global Business Process Outsourcing for Competitive Advantage* (OMM550C) at Washington University in St. Louis Spring 2005 - 2007
MBA level class; Co-taught modules on IT outsourcing, managing outsourcing relationships; Administered the Global Supply Chain Management Simulation and the Outsourcing Game
- *Numerical Methods & Optimization in Finance* (FIN550) at Washington Univ. Summer '06 -'07
M.S. level class; Co-taught modules on portfolio optimization, binomial models, and Monte Carlo simulation; Conducted tutorial sessions on MATLAB Optimization and Financial Toolbox

UNDERGRADUATE

- *Supply Chain Strategy* (MGT446) at University of Miami Spring 2012 – 18
Developed this new course as an elective course for senior undergraduate students. Develops modules for supply chain network design, capacity management, risk management, coordination and revenue management. Average student rating: **4.53/5**
- *Operations Management* (MGT303) at University of Miami 2008 – 2018
Junior-level core class for business majors. Introduces concepts in operations management. Average student rating: **4.27/5**

GUEST LECTURES

In courses for various audiences (MBA and EMBA) at Washington University in St. Louis

- Value of Flexibility and Real Options: The Applichem Case (in OMM759A, 10/2005; OMM558, 11/2005, 10/2006)
- The Opportunities and Challenges of RFID (in the joint Olin-Fudan EMBA program, 05/2005, 07/2006)
- Risk Pooling, Operational Flexibility and Capacity Planning (in OMM558, 10/2005, 10/2007)
- Debriefing the Supply Chain Game (in OMM759A, 10/2005, 10/2006; in MGT740, 09/2007)

AWARDS AND HONORS

- Outstanding reviewer for the POM Journal, Production & Operations Management Society, Washington DC, 2019
- Miami Business School Research Cluster Day Best Paper Presentation Award, 2019
- CSAMSE Annual Conference Best Paper Award, Third place, 2018
- Provost Research Award, University of Miami, 2012
- James W. McLamore Research Award, University of Miami, 2009
- University of Miami School of Business Summer Research Grant, 2009-present
- INFORMS Future Academician Colloquium, 2007
- Hubert C. Moog Scholar, Washington University, 2005, 2007
- Doctoral Fellowship, Washington University, 2003 – 2008
- Boeing Center for Technology, Information & Manufacturing Fellowship, 2004 – 2008

SERVICE

PROFESSIONAL ACTIVITIES

- **Editorial Review Board Member:** *Production and Operations Management*, 2009 – current

- **Conference Track/Session Organizer:**
 - Track: *Global Supply Chain Management*, POMS Annual Conference, Washington D.C., May 2019
 - Session: *Pricing and Information in Sourcing*, DSI Annual Meeting, Washington D.C., November 2017
 - Session: *Supply Chain Risk Management*, INFORMS Annual Meeting, San Francisco, CA, November 2014
 - Session: *Managing Relationships in Supply Chains*, INFORMS Annual Meeting, San Francisco, CA, November 2014
 - Session: *Supplier Reliability in Purchasing and Supply Management*, POMS Annual Conference, Denver, CO, May 2013
 - Session: *OMM10*, POMS Annual Conference, Vancouver, Canada, May 2010
 - Session: *Economic Models for Procurement Contract Design*, INFORMS Annual Meeting, San Diego, CA, 2009
 - Session: *Supply Chain Competition and Coordination*, INFORMS Annual Meeting, Seattle, WA, 2007
- **Conference Extended-Abstract Reviewer:** MSOM Annual Conference 2011-2012, 2018
- **POM Supply Chain College Student Paper Competition Review Committee Member:** 2016, 2017, 2018
- **Ad hoc Journal Reviewer:** *Management Science*, *Manufacturing & Service Operations Management*, *Production and Operations Management*, *Naval Research Logistics*, *IIE Transactions*, *Decision Sciences*, *International Journal of Production Research*, *OMEGA the International Journal of Management Science*, *Asia-Pacific Journal of Operational Research*
- **Member:** INFORMS; MSOM; POMS; DSI

UNIVERSITY ACTIVITIES

- Serve on board of Women in Operations Research and Management Science, a subdivision of INFORMS society (2019-)
- Serve on Miami Business School Graduate Academic Standards committee (2018-)
- Coordinate teaching activities for the undergraduate core Operations class MGT303 (2014-)
- Served on University of Miami School of Business PhD Committee (2015 – 2017)
- Served on University of Miami Faculty Senate Library and Information Resources Committee (2014 – 2018)
- Served on the organizing committee for the first Miami Conference on Operations (2016)
- Co-organized the MSOM seminar – a joint seminar series of the Management and Management Science departments (2008 – 2011)
- Participated in undergraduate faculty roundtable discussion on academic integrity (Spring 2014)