

# Yang Sun



**Position** Professor  
**Discipline** Supply Chain Management, Quantitative Methods  
**Final Degree** PhD, Arizona State University (2007)

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## Biography

Dr. Yang Sun is a Professor of Supply Chain Management and Director of the Executive MBA Program in the College of Business Administration at California State University, Sacramento. He received his MS and PhD in Industrial Engineering from Arizona State University, as well as an engineering degree from Tsinghua University. Prior to his graduate studies, he was with Neusoft Corporation as a precursor of Application Service Provider. As a certified Six Sigma Black Belt, he has also provided lean, six sigma, data analytics, and supply chain related consulting services to several organizations. He teaches Quantitative Methods and Supply Chain Management courses at executive, graduate and undergraduate levels. In the last 10 years he has coauthored a series of regional economic forecasting studies that have been highlighted by major local medias.

Dr. Sun has worked on various research projects including global supply network collaboration, supply chain capacity allocation, inventory sharing and transshipment, semiconductor industry supply chain design and decision models, production and service scheduling, healthcare delivery, international marketing analytics, supply chain finance, forensic accounting, etc. He has published numerous articles in scholarly journals and research conference proceedings, and is a recipient of the University Senate's Outstanding Scholarly and Creative Activities Award (10-11) and Outstanding Teaching Award (13-14). He has chaired a number of international research conferences, served on editorial boards for several scholarly journals, and is the editor-in-chief for the Journal of Supply Chain and Operations Management. He also serves on the Advisory Board for the Center for Teaching & Learning, and as the Director for Assessment for the College of Business Administration. He is a member of INFORMS, DSI, POMS, IIE, as well as Omega Rho and Alpha Pi Mu honor societies.

### **Selected Publications**

"Optimizing Outbound Logistics at a Clinical Laboratory's Patient Service Center", with Yang Li, Journal of Supply Chain and Operations Management, Vol. 15, No. 1, 2017

"Simulation-based evaluation of job release policies under release constraint", with Xueping Li, Xiaoyu Xu and Haidong Li, Proceedings of the 2016 Industrial and Systems Engineering Research Conference (ISERC), Anaheim, CA, May 2016

"A Weakening Chain? Impact of China's Economic Slowdown on Global Supply Chain Management of US Multinational Enterprises: A Capital Market's Perspective", with Jay Lee and Sanjay Varshney, Journal of Supply Chain and Operations Management, Vol. 14, No. 1, 2016

“Time-interval based Coverage Constraint for Nurse Scheduling Problems”, with Mohit Shukla and Xueping Li, Proceedings of the 2015 Industrial and Systems Engineering Research Conference (ISERC), Nashville, TN, May 2015

“What Do Involved Parties Want in a Forensic Accountant?”, with Suzanne Ogilby, Charles Davis, Ramona Farrell, Journal of Forensic Studies in Accounting and Business, Vol. 6, No. 1, 2014.

“The Effects of Country of Origin on Consumer Willingness to Purchase General Motor Automobiles in the United States”, with Ken Chinen and Yuri Ito, International Journal of Marketing Studies, Vol. 6, No. 6, 2014.

“Revenue sharing in assembly system with VMI under different decision modes”, with Qiankai Qing and Zhixue Liu, Control and Decision, Vol. 29, No. 4, 2014.

"Response Surface Optimization of Surgery Start Times in a Single Operating Room Using Designed Simulation Experiments", with Xueping Li, International Journal of Healthcare Technology and Management, Vol 14., 2013

"A Multi-level Inventory Control Model for File System Prefetching via Simulation", with Cong Guo and Xueping Li, Proceedings of the 2012 Industrial and Systems Engineering Research Conference (IESRC), Orlando, FL, May 2012

"Policies for allocating product lots to customer orders in semiconductor manufacturing supply chains”, with John Fowler and Dan Shunk, Production Planning and Control, Vol. 22, 2011.

"Effects of country-of-origin on buying behavior: A study of the attitudes of United States consumers to Chinese-brand Automobiles", with Ken Chinen, International Journal of Management, Vol. 28, 2011.

"Minimizing weighted completion time variance on identical parallel machines", with Xueping Li and John Fowler, Proceedings of the 2011 MISTA Conference, Tempe, AZ, Aug 2011

"Inventory sharing under decentralized preventive transshipments", with Ying Rong and Larry Snyder, Naval Research Logistics, Vol. 57, 2010.

"Semiconductor lot allocation using robust optimization", with Adam Ng and John Fowler, European Journal of Operational Research, Vol. 205, 2010.

"Strategic factor-driven supply chain design for semiconductors", with Dan Shunk, John Fowler, and Esma Gel, California Journal of Operations Management, Vol. 8, 2010.

"On the minimization of job completion time variance on identical parallel machines", with Xueping Li, and Yuerong Chen, Computers & Industrial Engineering, Vol. 58, 2010.

"Makespan minimization on identical parallel machines with precedence constraints", with Jiao Wang, Xueping Li, and Rapinder Sawhney, Proceedings of the 2008 Industrial Engineering Research Conference (IERC), Vancouver, May 2008

"Decision paradigms in the semiconductor supply chain: a survey and analysis", with Andrew Feller, Dan Shunk, John Fowler, Tom Callarman, and Brett Duarte, Proceedings of

the 3rd Annual IEEE Conference on Automation and Systems Engineering (IEEE-CASE),  
Scottsdale, Sept 2007

"Job scheduling to minimize the weighted waiting time variance", with Li, X., Ye, N. and Liu,  
T., *Computers and Industrial Engineering*, 52(1), 2007

"Minimizing class-based completion time variance on a single machine", with Li, X., Chen,  
Y., and Sawhney, R., *International Journal of Operations Research*, 4(1), 2007

Chapter 17 "Inventory Allocation and Cycle Time Estimation in Manufacturing and Supply  
Systems", with Liming Liu, in *Formal Methods in Manufacturing*, CRC Press