

# LEON YANG ZHU (CHU)

## PROFESSIONAL EXPERIENCE AND EDUCATION

Professor	Cheung Kong Graduate School of Business	May 2021-present
Professor	University of Southern California	Jan. 2020-May 2021
Visiting Professor	Cheung Kong Graduate School of Business	May 2019-May 2021
Associate Professor	University of Southern California	Mar. 2012-Jan. 2020
Visiting Scholar	Shanghai Jiao Tong University	Feb. 2014-Jun. 2014
Assistant Professor	University of Southern California	Jul. 2006-Mar. 2012
Postdoc/Lecturer	University of California, Berkeley	Sep.2005-May 2006
	<i>Department of Industrial Engineering and Operations Research</i>	
Ph.D.	<i>Industrial and Systems Engineering</i> University of Florida	Aug.2001-Aug.2005
M.A.	<i>Economics</i> University of Florida	Aug.2001-Dec.2004
B.S.	<i>Electrical Engineering</i> Shanghai Jiao Tong University	Aug.1997-Jul.2001

## JOURNAL PAPERS

- [1] Chu, L. Y., Brian Wu, 2021, "Designing Online Platforms for Customized Goods and Services: A Market-Frictions Based Perspective," *Academy of Management Review*, forthcoming.
- [2] Chu, L. Y., H. Nazerzadeh, H. Zhang, 2020, "Position Ranking and Auction for Online Marketplaces," *Management Science*, **66**(8), pp. 3295-3798.
- [3] Chen, Y.-J., L. Y. Chu, 2020, "Synchronizing Pricing and Replenishment to Serve Forward-looking Customers," *Naval Research Logistics*, **67**(5), pp. 321-333.
- [4] Chu, L. Y., Y. Rong, H. Zheng, 2019, "Strategic Benefit of Request for Proposal/Quotation," *Operations Research*, forthcoming.
- [5] Chu, L. Y., G. Li, P. Rusmevichientong, 2018, "Optimal Pricing and Inventory Planning with Charitable Donations," *Manufacturing and Service Operations Management*, **20**(4), pp. 687-703.
- [6] Chu, L. Y., N. Shamir, H. Shin, 2017, "Strategic Communication for Capacity Alignment with Pricing in a Supply Chain," *Management Science*, **63**(12), pp. 4366-4388.
- [7] L. Qi, L. Y. Chu, Chen, R., 2016, "Quality Provision with Heterogeneous Consumer Reservation Utilities," *Production and Operations Management*, **25**(5), pp. 883-901.

- [8] Chu, L. Y., D. E. Sappington, 2015, "Contracting with Private Knowledge of Production Capacity," *Journal of Economics & Management Strategy*, **24**(4), pp. 752-785.
- [9] Chu, L. Y., Y. Wang, 2015, "Bundled Procurement for Technology Acquisition and Future Competition," *Manufacturing and Service Operations Management*, **17**(2), pp. 249-261.
- [10] Chu, L. Y., G. Lai, 2013, "Salesforce Contracting under Demand Censorship," *Manufacturing and Service Operations Management*, **15**(2), pp. 320-334.
- [11] Chu, L. Y., D. E. Sappington, 2013, "Motivating Energy Suppliers to Promote Energy Conservation," *Journal of Regulatory Economics*, **43**(3), pp. 229-247.
- [12] Bassamboo, A., L. Y. Chu, R. S. Randhawa, 2013, "Designing Flexible Systems Using a New Notion of Supermodularity," *Operations Research Letters*, **41**(1), pp. 107-111.
- [13] Chu, L. Y., D. E. Sappington, 2012, "Designing Optimal Gain Sharing Plans to Promote Energy Conservation," *Journal of Regulatory Economics*, **42**(2), pp. 115-134.
- [14] Chu, L. Y., H. Zhang, 2011, "Optimal Pre-order Strategy with Endogenous Information Control," *Management Science*, **57**(6), pp. 1055-1077.
- [15] Chu, L. Y., D. E. Sappington, 2010, "Contracting with Private Knowledge of Signal Quality," *Rand Journal of Economics*, **41**(2), pp. 244-269.
- [16] Chu, L. Y., Z. M. Shen, 2010, "A Power-of-two Ordering Policy for One-Warehouse Multi-Retailer Systems with Stochastic Demand," *Operations Research*, **58**(2), pp. 492-502.
- [17] Chu, L. Y., D. E. Sappington, 2009, "Implementing High-Powered Contracts to Motivate Intertemporal Effort Supply," *Rand Journal of Economics*, **40**(2), pp. 296-316.
- [18] Chu, L. Y., 2009, "Truthful Bundle/Multi-unit Double Auctions," *Management Science*, **55**(7), pp. 1184-1198.
- [19] Chu, L. Y., D. E. Sappington, 2009, "Procurement Contracts: Theory vs. Practice," *International Journal of Industrial Organization*, **27**(1), pp. 51-59.
- [20] Chu, L. Y., J. G. Shanthikumar, Z. M. Shen, 2008, "Solving Operational Statistics via a Bayesian Analysis," *Operations Research Letters*, **36**(1), pp. 110-116.
- [21] Chu, L. Y., Z. M. Shen, 2008, "Truthful Double Auction Mechanisms," *Operations Research*, **56**(1), pp. 102-120.
- [22] Chu, L. Y., D. E. Sappington, 2007, "A Note on Optimal Procurement Contracts with Limited Direct Cost Inflation," *Journal of Economic Theory*, **137**(1), pp. 745-753.

- [23] Chu, L. Y., Z. M. Shen, 2007, "Trade Reduction vs. Multi-Stage: A Comparison of Double Auction Design Approaches," *European Journal of Operational Research*, **180**(2), pp. 677-691.
- [24] Chu, L. Y., D. E. Sappington, 2007, "Simple Cost-Sharing Contracts," *American Economic Review*, **97**(1), pp. 419-428.
- [25] Chu, L. Y., Z. M. Shen, 2006, "Agent Competition Double Auction Mechanism," *Management Science*, **52**(8), pp. 1215-1222.
- [26] Chu, L. Y., V. N. Hsu, Z. M. Shen, 2005, "An Economic Lot-Sizing Problem with Perishable Inventory and Economies of Scale Costs: Approximation Solutions and Worst Case Analysis," *Naval Research Logistics*, **52**(6), pp. 536-548.

#### CONFERENCE PROCEEDINGS

- [27] Chu L. Y., H. Nazerzadeh, H. Zhang, 2017, "Position Ranking and Auction for Online Marketplaces," the abstract appeared in *Proceedings of 10th International Symposium on Algorithmic Game Theory (SAGT)*, L'Aquila, Italy.
- [28] Shen, Z. M., L. Y. Chu, 2005, "Practical Double Auction Mechanism Design," *Proceedings of the 2005 NSF Design, Service and Manufacturing Grantees and Research Conference*, Scottsdale, AZ.
- [29] Chu, L. Y., Z. M. Shen, 2004, "Double Auction Mechanisms for Supply Chain Formation Problems," *Proceedings of the 7th International Conference on Electronic Commerce Research*, Dallas, TX.
- [30] Chu, L. Y., Z. M. Shen, 2004, "Agent Competition Double Auction Mechanism," *Proceedings of the 2004 Industrial Engineering Research Conference*, Houston, TX.
- [31] Chu, L. Y., Z. M. Shen, 2002, "Perishable Stock Lot-sizing Problem with Modified All-unit Discount Cost Structures," *Global Supply Chain Management*, edited by Jian Chen, Tsinghua University Press, pp. 13-18.

#### CONFERENCE PRESENTATIONS

- "Designing Online Platforms for Offline Services (O2O): The Bigger, the Better?"  
INFORMS Annual Meeting, 2019
- "Harnessing the Double-edged Sword via Routing: Information Provision on Ride-hailing Platforms," CSAMSE Annual Conference, 2018
- "The Rationality of Decision Biases,"  
CSAMSE Annual Conference, 2018
- "The Strategic Benefit of Request for Proposal/Quotation"  
CSAMSE Annual Conference, 2017 / INFORMS International Conference, 2016/2017
- "Optimal Pricing and Inventory Planning with Charitable Donations,"

CSAMSE Annual Conference, 2017

“Synchronizing Pricing and Replenishment to Serve Forward-looking Customers with Lost Sales,” CSAMSE Annual Conference, 2015 / INFORMS Annual Meeting, 2014

“Making Quality Decisions in Tough Economic Times,”  
CSAMSE Annual Conference, 2012

“Salesforce Contracting under Demand Censorship,”  
INFORMS International Conference 2012/MSOM Annual Meeting, 2012

“Strategic Communication for Capacity Alignment with Pricing in a Supply Chain,”  
OCSAMSE Annual Conference, 2011

“Bundled Procurement for (Free) Technology Acquisition and Future Competition,”  
INFORMS Annual Meeting, 2012/2011/2010 / IFORS Triennial Conference, 2011  
MSOM Annual Meeting, 2011 / POMS Annual Meeting, 2011

“Optimal Pre-order Discount and Information Release,”  
MSOM Annual Meeting, 2010 / OCSAMSE Annual Conference, 2009

“Implementing High-Powered Contracts to Motivate Intertemporal Effort Supply,”  
INFORMS Annual Meeting, 2008/2007 / Southern Cal. OR/OM Day, 2008

“Truthful Bundle/Multi-unit Double Auctions,”  
INFORMS Annual Meeting, 2009/2007 / MSOM Annual Meeting, 2009

“An Application of Operational Statistics,”  
INFORMS Annual Meeting, 2006

“Truthful Double Auction Mechanisms,”  
INFORMS Annual Meeting, 2005/2004/2003

“Periodic Ordering Policy for One Warehouse, Multi-Retailer Systems under Stochastic Demand,” INFORMS Annual Meeting, 2004

“Agent Competition Double Auction Mechanism,”  
IIE Research Conference, 2004 / 3rd NSF Workshop on SCM, 2004

“Approximation Algorithms for Perishable Inventory Lot-Sizing Problem,”  
INFORMS Annual Meeting, 2002

#### **INVITED TALKS**

Department of Industrial Engineering, Tsinghua University, Mar. 2021

Department of ISOM, HKUST Business School, May 2019

Antai College of Economics & Management, Shanghai Jiao Tong University, Mar. 2019

NET Institute Conference on Network Economics, New York University, Dec. 2018

Anderson Graduate School of Management, University of California, Riverside, Nov. 2018

Jindal School of Management, UT Dallas, Oct. 2018

Department of Economics, University of Southern California, Sep. 2018

School of Management, University College London, Aug. 2018

London Business School, Aug. 2018  
Booth School of Business, University of Chicago, May. 2018  
Cheung Kong Graduate School of Business, Apr. 2018  
Antai College of Economics & Management, Shanghai Jiao Tong University, Mar. 2018  
David Eccles School of Business, University of Utah, Jan. 2018  
Rotman School of Management, University of Toronto, Dec. 2017  
Stern School of Business, New York University, Nov. 2017  
Krannert School of Management, Purdue University, Aug. 2017  
Young Scholar Colloquium, CSAMSE Annual Conference, Guangzhou, China, Jul. 2017  
Rutgers Business School, Rutgers University, Apr. 2017  
Marshall Research Fair, University of Southern California, Mar. 2017  
Fuqua School of Business, Duke University, Nov. 2016  
The Paul Merage School of Business, University of California, Irvine, Oct. 2016  
Panel Speaker at USC Global Summit, University of Southern California, Sep. 2016  
Keynote Speaker at Sharing Economy Workshop, Shanghai Jiao Tong University, Jun. 2016  
School of Economics and Management, Tsinghua University, May 2016  
Young Scholar Colloquium, CSAMSE Annual Conference, Shenyang, China, Jul. 2015  
Center for Risk and Economic Analysis of Terrorism Events (CREATE), USC, Jul. 2015  
School of Business Administration, Shanghai Lixin University of Commerce, May 2014  
School of Management, Fudan University, Apr. 2014  
The School of Economics, Nanjing University Business School, Apr. 2014  
Antai College of Economics & Management, Shanghai Jiao Tong University, Apr. 2014  
School of IBA, Shanghai University of Finance and Economics, Mar. 2014  
Sauder School of Business, University of British Columbia, Jan. 2014  
Olin Business School, Washington University in St. Louis, Oct. 2012  
Mostly OM: International Workshop on Advanced Topics of Operations Management, Tsinghua University, Beijing, China, May 2011  
Sloan School of Management, Massachusetts Institute of Technology, May 2011  
Haas School of Business, University of California, Berkeley, Apr. 2011  
Johnson Graduate School of Management, Cornell University, Apr. 2011  
Anderson School of Management, University of California, Los Angeles, Feb. 2011  
Department of SEEM, The Chinese University of Hong Kong, Dec. 2010  
Department of LMS, The Hong Kong Polytechnic University, Dec. 2010  
Fuqua School of Business, Duke University, Sep. 2010  
Kellogg Graduate School of Management, Northwestern University, May, 2010  
Graduate School of Business, Columbia University, Apr. 2010  
Ross School of Business, University of Michigan, Apr. 2010  
Marshall School of Business (FBE), University of Southern California, Apr. 2010

Rady School of Management, University of California, San Diego, Feb. 2010  
 Anderson Graduate School of Management, University of California, Riverside, Jan. 2010  
 Department of IEOR, University of California, Berkeley, Apr. 2007  
 Stern School of Business, New York University, Feb. 2006  
 Marshall School of Business (IOM), University of Southern California, Feb. 2006  
 Department of General Engineering, University of Illinois at Urbana-Champaign, Feb. 2006  
 Graduate School of Business, Columbia University, Jan. 2006

#### **AWARDS AND HONORS**

The Networks, Electronic Commerce and Telecommunications Institute Grant	2018
2 <sup>nd</sup> Prize, the 2018 CSAMSE Annual Conference Best Paper Award	2018
Excellence Award, Shanghai Open Data Applications Competition	2017
2 <sup>nd</sup> Prize, the 2009 OCSAMSE Annual Conference Best Paper Award	2009
Dean's Award for Research Excellence, Marshall School of Business	2007

#### **PROFESSIONAL SERVICE**

##### **ASSOCIATE EDITOR**

<i>Journal of Management Science and Engineering (China)</i>	Jan. 2017–present
<i>Omega</i>	Feb. 2015–present
<i>Operations Research</i>	Jan. 2018–present
<i>Operations Research Letters</i>	Sep. 2011–present
<i>Manufacturing and Service Operations Management</i>	Oct. 2018–present
<i>Naval Research Logistics</i>	Jan. 2018–present

##### **SENIOR EDITOR**

<i>Production and Operations Management</i>	Oct. 2013–present
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##### **REVIEWER**

*Annals of Operations Research, Asia-Pacific Journal of Operational Research, Decision Sciences, Econometrica, Environmental and Resource Economics, European Journal of Operational Research, Games, Games and Economic Behavior, IEEE Conference on E-Commerce, IEEE Transactions on Automation Science and Engineering, IIE Transactions, INFORMS Journal on Computing, International Review of Administrative Sciences, International Journal of Industrial Organization, International Transactions in Operational Research, Journal of Economic Behavior & Organization, Journal of Economic Theory, Journal of Economics & Management Strategy, Journal of Global Optimization, Journal of Mathematical Economics, Journal of the Operational Research Society, Journal of Public Economic Theory, Journal of Public Economics, Management Science, Manufacturing and Service Operations Management, Naval Research Logistics, Omega – The International Journal of Management Science, Operations Management*

*Education Review, Operations Research, Operations Research Letters, Production and Operations Management, Rand Journal of Economics, Research Grant Council (RGC) of Hong Kong, Review of Industrial Organization, Transportation Research Part E: Logistics and Transportation Review, Transportation Science, Utilities Policy*

CONFERENCE PROGRAM COMMITTEE/CHAIR

CSAMSE Annual Conference Program Committee	2021
POMS Annual Conference Track Co-Chair	2019
MSOM Supply Chain SIG Conference Co-Chair	2018
INFORMS M&SOM Sponsored Cluster Co-Chair	2014