

Zhan (Michael) Shi, Ph.D.

Department of Information Systems

W.P. Carey School of Business

Arizona State University

Main Campus, PO BOX 874606, Tempe, AZ 85287-4606 +1(480) 965-8488

zmshi [at] asu.edu <http://econst.org> zhshi [at] twitter

Education

Ph.D. Economics, The University of Texas at Austin, December 2012

M.S. Economics, The University of Texas at Austin, May 2009

B.A. Economics, Peking University, Beijing, China, July 2007

B.S. Mathematics, Peking University, Beijing, China, July 2007

Academic

Appointments

Associate Professor, August 2019 – present

Assistant Professor, August 2013 – July 2019

Department of Information Systems, W.P. Carey School of Business

Arizona State University

Research Associate, January 2013 – July 2013

Center for Research in Electronic Commerce, McCombs School of Business

The University of Texas at Austin

Journal

Publications

Shi, Z. and Raghu, T.S. An Economic Analysis of Product Recommendation in the Presence of Quality and Taste-Match Heterogeneity. Forthcoming at *Information Systems Research*, 2019.

Liang, C., **Shi, Z.**, and Raghu, T.S. The Spillover of Spotlight: Platform Recommendation in the Mobile App Market. Forthcoming at *Information Systems Research*, 2019.

Shao, B.B.M., **Shi, Z.**, Choi, T.Y., and Chae, S. Nexus Supplier Index: A Data-Analytics Approach to Identifying Critical Suppliers. *Decision Support Systems*, 114, 37-48, 2018.

Qiu, L., **Shi, Z.**, and Whinston, A.B. Learning from Your Friends' Repeated Check-Ins: An Empirical Study of Location-Based Social Networks. *Information Systems Research*, 29(4), 1044-1061, 2018.

Shi, Z., Lee, G.M., and Whinston, A.B. Towards a Better Measure of Business Proximity: Topic Modeling for Industry Intelligence. *MIS Quarterly* Special Issue on Transformational Issues of Big Data and Analytics in Networked Business, 40(4), 1035-1053, 2016.

Shi, Z., Rui, H., and Whinston, A.B. Content Sharing in a Social Broadcasting Environment: Evidence from Twitter. *MIS Quarterly*, 38(1), 123-142, 2014.

Shi, Z. and Whinston, A.B. Network Structure and Observational Learning: Evidence from a Location-Based Social Network. *Journal of Management Information Systems*, 30(2), 185-212, 2013.

Conference Proceedings

Huang, J. and **Shi, Z.** With a Little Help of My (Former) Employer: Past Employment and

Entrepreneurs' External Financing. *Academy of Management Proceedings*, 2015.

Shi, Z., Lee, G.M., and Whinston, A.B. Towards a Better Measure of Business Proximity: Topic Modeling for Analyzing M&As. *Proceedings of the 15th ACM Conference on Economics and Computation*, 2014.

Practitioner-Oriented Publications

Shao, B.B.M., **Shi, Z.**, and Choi, T.Y. Feasibility Study of Nexus Supplier Index: Identifying and Categorizing Nexus Suppliers through Business Analytics. *CAPS Research Focus Study Report*, 2015.

Choi, T.Y., Shao, B.B.M., and **Shi, Z.** Hidden Suppliers Can Make or Break Your Operations. *Harvard Business Review* (digital article), May 29, 2015.

Completed Working Papers

Shi, Z., Raghu, T.S., and Zhang, Z. Consumer Search, Producer Entry, and Product Variety: Theory and Evidence from a Digital Product Market.

Huang, J. and **Shi, Z.** Parent-Descendant Business Similarity and Employee-Founded Startups' Early Performance.

Huang, J. and **Shi, Z.** Entrepreneurial Spawning Across Product Markets: Skills, Similarity and Parents' Diversification.

Huang, J. and **Shi, Z.** Venture Capitalists' Over-Investments in a Hot Market: Evidence from Employee Entrepreneurship.

Yin, X. (Ph.D. student), Chen, P.Y., and **Shi, Z.** The Impact of Second-Channel Product Availability Preannouncement: A Study of Movie Industry.

Talks and Presentations

"Venture Capitalists' Over-Investments in a Hot Market: Evidence from Employee Entrepreneurship," *China Summer Workshop on Information Management*, Qingdao, China, June 23-24, 2018.

"Platform Recommendation in Search Markets: Theory and Evidence from the Mobile App Market," *Workshop on Information Systems and Economics*, Seoul, South Korea, December 14-15, 2017.

"Consumer Search, Producer Entry, and Product Variety: Theory and Evidence from a Digital Product Market," *INFORMS Annual Conference*, Houston, October 23-25, 2017.

"Platform Recommendation in Search Markets: Theory and Evidence from the Mobile App Market," *Conference on Information Systems and Technology*, Houston, October 21-22, 2017.

"The Spillover of Spotlight: Platform Recommendation in the Mobile App Market," *Statistical Challenge in E-Commerce Research*, Ho Chi Minh City, Vietnam, June 26-28, 2017.

"The Spillover of Spotlight: Platform Recommendation in the Mobile App Market," *Winter Conference on Business Analytics*, Snowbird, Utah, March 2-4, 2017.

"The Spillover of Spotlight: Platform Recommendation in the Mobile App Market," *ASU Information Systems Research Workshop*, Tempe, Arizona, February 22-24, 2017.

"With a Little Help of Their (Former) Employer: How Entrepreneurs Benefit from Past Employment," *ASU Information Systems Research Workshop*, Tempe, Arizona, February 25-27,

2016.

“With a Little Help of My (Former) Employer: Past Employment and Entrepreneurs’ External Financing,” *Annual Meeting of the Academy of Management*, Vancouver, Canada, August 7-11, 2015.

“Find a Niche: Competition and The Early Success of Mobile Apps,” *Workshop on Information Systems Economics*, Auckland, New Zealand, December 17-19, 2014.

“Towards A Better Measure of Business Proximity: Topic Modeling for Analyzing M&As,” *ACM Conference on Economics and Computation*, Palo Alto, CA, June 8-12, 2014.

“Shall I Go? The Unequal Effects of Friends’ Check-ins,” *Hawaii International Conference on System Sciences*, Wailea, Maui, HI, January 7-10, 2013.

“Content Sharing in a Social Broadcasting Environment: Evidence from Twitter,” *INFORMS Annual Meeting*, Phoenix, AZ, October 14-17, 2012.

“Understanding the Economy Using Twitter,” Panel Speaker, *SxSW Interactive*, Austin, TX, March 14, 2011.

“Information Sharing in Social Broadcast: Evidences from Twitter,” *Workshop on Information Systems and Economics*, St. Louis, MO, December 11-12, 2010.

Media Coverage

“Study Uses Text-Mining to Improve Market Intelligence on Startups,” *PHYS.org*.

“Study: On Twitter, You Are More Likely to Be Retweeted by Someone You Don’t Know Than by Someone You Do,” *Yahoo News*.

“Twitter Analysis Helps Economist Land Job in Growing Field of ‘Big Data,’” *The Chronicle of Higher Education*.

Honors, Awards and Grants

- Amazon Web Services Research Grant, \$5,000, 2018 – 2019.
- Amazon Web Services Research Grant, \$2,000, 2017 – 2018.
- INFORMS Annual Conference e-Business Best Paper Runner-up, 2017.
- W.P. Carey School of Business Dean’s Excellence in Research Summer Grant, Arizona State University, 2017.
- Amazon Web Services Research Grant, \$6,000, 2016 – 2017.
- W.P. Carey School of Business Outstanding Graduate Teaching Award, Arizona State University, 2015 – 2016.
- Research Grant (with Ben Shao and Tom Choi), CAPS Research, \$40,000, 2015.
- Outstanding Teaching Award in M.S. Business Analytics Program, Department of Information Systems, Arizona State University, 2014 – 2015.
- McCombs School of Business Fellowship, Travel Grant, UT Austin, 2010 – 2012.
- Bruton Fellowship, UT Austin, 2010.
- Department of Economics Scholarship, UT Austin, 2007 – 2008.
- Outstanding Graduate of Universities in Beijing, Beijing, China, 2007.
- Outstanding Graduate of Peking University, Beijing, China, 2007.
- Academic Excellence Awards, Peking University, Beijing, China (2003-2007).

PhD Advising

Ph.D. Committee Member

- Seyedreza Mousavi, 2016. Placement: University of North Carolina at Charlotte.

Coauthor with Ph.D. students

- Chen Liang, Xueyan Yin

Teaching

Instructor, Arizona State University

- Introduction to Enterprise Analytics (M.S. Business Analytics onsite and online)
- Introduction to Enterprise Analytics (M.B.A. full time onsite)
- Business Analytics Strategy (M.S. Business Analytics online)
- Business Data Mining (Undergraduate Business Data Analytics online)
- Networks and Distributed Systems (Undergraduate Information Systems onsite)

Online Course Creator, Arizona State University

- Introduction to Enterprise Analytics
- Business Data Mining

Services and Outreach

Journal Services

- *Associate Editor: Decision Support Systems*
- *Reviewer: Decision Support Systems, Information and Management, Information Systems Research, International Journal of Electronic Commerce, Journal of Electronic Commerce Research, Journal of Management Information Systems, Management Science, MIS Quarterly*

Conference Services

- *Committee Member: Conference on Information Systems and Technology 2018, 2019*
- *Associate Editor: International Conference on Information Systems 2019*
- *Session Chair: INFORMS Annual Conference 2018*

Professional Organizations

- *Member: Association for Computing Machinery, American Economic Association, Association for Information Systems, The Econometric Society*