

Ping Wang, Ph.D.

Education

Ph.D. in Business Administration Major: Business Logistics Fisher College of Business, The Ohio State University, Columbus, Ohio	June 2007 Minor: Statistics, Operations Management
Masters of Engineering in Logistics Concentration: Logistics Engineering Massachusetts Institute of Technology, Cambridge, Massachusetts	June 2002
Masters of Engineering in Computer Science Concentration: Computer Architecture Chinese Academy of Science, Beijing, China	June 1992
Bachelor of Engineering in Electronic Engineering Concentration: Telecommunication Dalian Naval Academy, Dalian, China	July 1984

Professional Experience

Associate Professor of Logistics and Supply Chain Management, Department of Maritime Business Administration, Texas A&M University, Galveston Campus	2019-present
Assistant Professor of Logistics and Supply Chain Management, Department of Maritime Business Administration, Texas A&M University, Galveston Campus	2013-2019
Associate Professor, College of Business Tianjin University, Tianjin, China	2009 -2013
Associate Professor, College of Business, Southwest Jiaotong University, China	2007-2009
Manager, Shantou S.E.Z. Import/Export Corp., Shantou, China	1992-2000
Buyer, Chinese Academy of Science, Shenyang, China	1987-1989
Officer, China Naval Logistics Department, Wuhan, China	1984-1987

Fields of Research Interest

- Developing dynamic capability in networked service environment
- The abnormalities of service process flow
- Value co-creation within multi-stakeholder global logistics networks
(*20-year longitudinal data of maritime alliance revolutions, Houston Ship Channel data*)
- Logistics service failure and recovery (*operational data from a private liquid terminal*)
- Vehicle routing in logistics service network (*10-yesr Houston Ship Channel data*)
- Production scheduling in process industry (*Food production data*)
- Multi-tier inventory management with heavy-tailed demand and lead time
(*Order fulfillment data from an international pharmaceutical distributor*)
- Global maritime business strategy (*IHS five-year data on best performed container terminals*)

RESEARCH

High Impact Research on the Industry

- Influenced the Greater Houston Port Bureau (GHPB) to adapt my suggestion to start lean transformation in 2018.
- Made suggestions to GHPB regarding the potentials, challenges and critical success factors of applying the Blockchain technology in the Port of Houston
- Led a new stream of maritime study on strategic maritime management

Research Awards and Honors

- CSCMP ARS Case Award, \$1,500. CSCMP 2018.
- Best paper award (first place), Chinese Association for Quality, 2012.
- Distinguished Research Award (as internal research funding), \$13,000.00, School of Management, Tianjin University, June 2011.
- Research Fellow Scholarship Award (including summer support) from Global Supply Chain Forum, The Ohio State University, 2006-2007.
- CLM Doctoral Consortium Finalist (20 in total world-wide), Council of Logistics Management Annual Conference, San Diego, October 2005.
- Recipient of the Sheldon B. Ackerman Award for Outstanding Research Paper in Business Logistics, \$1,000, Fisher College of Business, OSU, May 2005.
- POMS Doctoral Consortium Finalist (20 in total world-wide), Production and Operations Management Society Annual Conference, Chicago, May 2004.
- Research Scholarship Award (Including Summer Support), The Ohio State University, 2003-2005.
- Distinguished Research Award (Second grade), Chinese Academy of Science, 1992.

Peer-reviewed Publications

1. Wang, Ping, Kathryn Marley, John Vogt, Joan Mileski. 2019. "Contextual Effects on the LSS Implementation in Networked Service Environments: A Critical Realism Case Study for the Port of Houston." *International Journal of Quality and Reliability Management*. <https://doi.org/10.1108/IJQRM-02-2019-0052>.
2. Wang, Ping, Joan Mileski, Qingcheng Zeng. 2019. "Toward a taxonomy of container terminals' practices and performance: A contingency and configuration study." *Transportation Research Part A: Policy and Practice*, 121 (2019) 92–107.
3. Wang, Ping, John Vogt. 2018. "Untangling process complexity in logistics delivery service with unpredictable service sequence: A mixed-method study of chemical tanker port calls." *Maritime Policy and Management*, 46(3), pp.344-366.
4. Wang, Ping, Joan Mileski. 2018. "Strategic maritime management as an emerging discipline." *Maritime Business Review*, 3 (3), pp.290-313.
5. Vogt, John, Ping Wang. 2018. "Strategic issues with planning and scheduling the marine movement of chemicals via a major port under growth conditions." Accepted by CSCMP for ARS Cases.

6. Vogt, John, Ping Wang. 2018. Teaching Notes on “Strategic issues with planning and scheduling the marine movement of chemicals via a major port under growth conditions.” Accepted by CSCMP for ARS Cases.
7. Wang, Ping, Joan Mileski, Qingcheng Zeng. 2017. “Alignments between strategic contents and process structure: The case of container terminals service process automation.” *Maritime Economics and Logistics*, 21 (4), pp.543-558.
8. He, Zhen, James Hill, Ping Wang, Gang Yue. 2011. “Validation of the theoretical model underlying the Baldrige criteria: Evidence from China,” *Total Quality Management and Business Excellence*, 22 (2), pp. 243-263.
9. Wang, Ping, Zeyu Zheng. 2011. “Confliction between Western- and Eastern Management Philosophies: Reflection in the Field of Quality Management,” *China Quality*, Sep. 2011, pp. 20-22.
10. Wang, Ping, Hui Zhao. 2011. “Transition from Competition to Creating Shared Value--- Ways to Our Future: Interview of Michael Porter,” *PKU (Peking University) Business Review*, 78 (7), pp. 1-4, (Cover Story).
11. Wang, Ping, Zeyu Zheng. 2011. “The Strategic Revelation of ‘Creating Shared Value’ to Chinese Economic Development,” *PKU (Peking University) Business Review*, 78 (7), pp. 5-9. (Invited Article).
12. Wang, Ping. 2011. “Roadmap and Bottlenecks of Chinese Seven Strategic New Industries: Applications of a Proposed Innovation Framework,” *PKU (Peking University) Business Review*, Vol. 78 (1), pp. 50-55. (Cover Story).
13. Wang, Ping, Zeyu Zheng. 2009. “Decline of the US Manufacturing Empire? Impact of GM’s Filling for Chapter 11,” *PKU (Peking University) Business Review*, 60 (7), pp. 32-36. (Cover Story)
14. Wang, Ping, Walter Zinn, Keely Croxton. 2010. “Sizing inventory when lead time and demand are correlated,” *Production & Operations Management*, 19 (4), pp. 480- 484.
15. Wang, Ping, James Hill. 2006. “Recursive behavior of safety stock reduction: The effect of lead time uncertainty,” *Decision Sciences*, 37 (2), pp. 285-290.

Manuscripts Submitted to Refereed journals

1. Hill, A. James, Ping Wang. 2020. “The impact of campaign switching pattern on production scheduling: Evidence from the food processing industry.” Submitted to *Management Science*.
2. Wang, Ping, John Vogt. 2020. “Are you sure you know what your customers want? Toward a framework of value appreciation in networked service environments” Submitted to *International Journal of Physical Distribution and Logistics Management*.
3. Wang, Ping. 2020. “Developing Process Management Capability within Supplier Integration: The Moderating Effect of Information Management Capability.” Resubmitted to *International Journal of Production Economics*.

Manuscripts under Preparation

4. Wang, Ping. 2020. “First come first serve? That’s not sustainable! Evidence from the Port of Houston” Invited submission to *Journal of Sustainability’s* special issue on “*Innovative Solution for Sustainable and Safe Maritime Transportation.*”

5. Wang, Ping. 2020. Maritime Operations and Supply Chain Management: Text and Cases.

Refereed Conference Proceedings

1. Wang, Ping, Joan Mileski. 2018. "Global supply chain integration with maritime transportation." 2018 IAME Annual Conference.
2. Wang, Ping, Joan Mileski. 2018. "Contextual effects of container terminal on port productivity: A cluster analysis Evidence from JOC's top performing seaports." 2018 IAME Annual Conference.
3. Wang, Ping, John Vogt. 2017. "Developing strategic logistics service capabilities: A case study with QFD methodology." CSCMP 2017 Annual Conference Proceeding.
4. Wang, Ping, Joan Mileski, Qingcheng Zeng. 2016. "Alignments between Strategic Contents and Process Structure: The Case of Container Terminals Service Process Automation," IAME 2016 Conference Proceeding (Later version of this study has been published in MEL).
5. Sun, Yujiao, Ping Wang, Xiangpei Hu. 2015. "The Heavy-tailed Heavy-traffic Machine-repairman Problem: GI/G/2 Queue," POMS 2016 Annual Conference Proceeding.

Invited Presentations and Talks (Since 2015)

6. Invited research presentation at POMS annual conference: "Measuring product complexity in food production systems." DSI, Chicago, 2018.
7. Invited research presentation at POMS annual conference: "The Interaction between product complexity and campaign scheduling on manufacturing performance in food production." POMS, Houston, May 2018.
8. "The impact of the lockdown of Houston Shipping Channel on chemical tankers' turnover times." May 2018. Presented to a leading chemical tanker company.
9. "The analysis of chemical tanker scheduling: The case of Exxon Mobil." April 2018.
10. "Coordinated scheduling to reduce unproductive chemical tanker waiting." March 2018. Presented to a leading chemical tanker company
11. "Initiating of the lean transformation in the Port of Houston: values, wastes, and opportunities." November 2017, The Greater Houston Port Bureau
12. "The diagnose of unproductive chemical tanker movements in the Port of Houston." August 2017. Efficiency Committee of the Greater Houston Port Bureau
13. "Motivating Young Talents to the High-Sea Business." The 4th Houston Shipping and Offshoring Conference, co-sponsored by General Consulates of Korea, Norway and Brazil. October 2014. Houston, Texas.

Conference Presentations (2013-present)

14. "Big data exploration and triangulation: Cluster analysis of anomalies". DSI, 2019.
15. "The ripple effect in tandem queuing networks." DSI, Chicago, 2018.
16. "Critical success factors for lean transformation in logistics service networks." DSI, Chicago, 2018.

17. "Value stream mapping a logistics service process with unpredictable service stages and sequences." POMS, Houston, May 2018.
18. "Analysis and design of logistics hubs with imbalanced stage times: A queuing perspective." POMS, Houston, May 2018.
19. "Developing strategic logistics service capabilities: A case study with QFD methodology." CSCMP, Atlanta, September 2017.
20. "Process complexities in maritime transportation: A case study of chemical tanker port calls." IAME, Japan, June 2017.
21. "Visit global supply chain integration with maritime transportation: practices, processes and principles." IAME, Japan, June 2017.
22. "Untangling the impacts of non-value-added processes in process industry." Decision Sciences Institute, Annual Conference, San Antonio November 2016.
23. "The ripple effect of extreme events in process industry: How scope complexity works." Decision Sciences Institute, Annual Conference, San Antonio November 2016.
24. "The heavy-tailed heavy-traffic machine-repairman problem: GI/G/2 Queue." POMS Annual Conference, Orlando, April 2016.
25. "Alignments between strategic contents and process structure: The case of container terminals service process automation." IAME Annual Conference, Hamburg, German, August 2016.
26. "Supply chain integration: How does it work in a lean environment?" POMS Annual Conference, Atlanta, April 2014.

Books (In Chinese)

1. Lambert, Douglas (Editor), Ping Wang (Translator). 2012. *Supply Chain Management: Process, Partnership, Performance*, 3rd Edition, PHEL, Beijing, China.
2. Charles Wang, Ping Wang. 2008. *Introduction to Warehousing and Storage*, China Logistics Publication House (CLPH), Beijing, China.
3. Charles Wang, Ping Wang. 2008. *Advanced Management of Warehousing and Storage*, China Logistics Publication House (CLPH), Beijing, China.
4. Lambert, Douglas (Editor), Ping Wang (Translator). 2007. *Supply Chain Management: Process, Partnership, Performance*, 2nd Edition. Peking University Press, Beijing, China.

Book Chapters (In Chinese)

1. Wang, Ping, "Measurement, Evaluation, and Improvement of Quality Culture," *Instructions for Quality Culture Development*, Genqiang Jiao, Luo Guoying, Ed., China Standard Press, 2012, Upcoming.
2. Wang, Ping, "The Trajectory of Quality Management," *Instructions for Quality Culture Development*, Genqiang Jiao, Luo Guoying, Ed., China Standard Press, 2012, Upcoming.
3. Wang, Ping, Guoying Luo, "A Framework for Quality Culture Positioning", *General Plan for Quality Culture Development*, Qi Weiming, Luo Guoying, Ed., China Standard Press, 2011, pp. 75-87.

4. Wang, Ping, Guoying Luo, "Organization Management and Incentives in Quality Culture Development," General Plan for Quality Culture Development, Qi Weiming, Luo Guoying, Ed., 2011, China Standard Press, pp. 88-96.
5. Wang, Ping, Zhihong Liu, "Literature Review on Quality Culture Development," General Plan for Quality Culture Development, Qi Weiming, Luo Guoying, Ed., China Standard Press, 2011, pp. 144-163.
6. Wang, Ping, Zhihong Liu, "The Analysis of National Culture Development status-quo", General Plan for Quality Culture Development, Qi Weiming, Luo Guoying, Ed., China Standard Press, 2011, pp. 164-199.

Funded Research

External Research Grant Funded

- Initiated and conducted the Quality Culture Development project to China Association for Quality (2010-2011) as one of the two principle investigators (PIs), which was funded by the Ministry of Industry and Information Technology of China at \$80,000 for each year and \$10,000 for the sub-project I was the principle investigator.
- Conducted the project of developing the "Training Materials for National Certification of Warehousing and Storage" as one of the two PIs (2007-2008), which is funded by China Association for Warehousing and Storage at \$15,000, and \$5,000 for the sub-project I was the principle investigator.

Internal Research Funding

- Fully self-autonomous research fund: \$13,000.00, School of Management, Tianjin University, June 2011.
- Independent research funding on travelling, \$750. Texas A&M University at Galveston, 2014.

TEACHING

Academic High Impact Activities on Student Learning

- Advised graduate and undergraduate students to conduct problem-oriented research on subjects including:
 - ✓ Traffic congestion in Houston Ship Channel
 - ✓ LNG global network design (demand, supply, shipping)
 - ✓ Operational routines and supply chain management in the cruise industry
 - ✓ Lean offshore rig service processes
 - ✓ Resin export routing and global demand-supply network design
- Updated teaching materials and homework problems with real industrial data collected during my research on ship channel congestion and petro-chemical downstream industries
- Designed two PBL MS/OSCM modules based on Houston Ship Channel vessel movement data

Course Taught

2019 Fall	<ul style="list-style-type: none"> • Graduate---(PBL) MS/OSCM Module I • Operations Management
2019 Spring	<ul style="list-style-type: none"> • Graduate---Management Science (PBL) • Operations Management
2018 Fall	<ul style="list-style-type: none"> • Graduate---Production and Operations Management (PBL) • Operations Management
2018 Spring	<ul style="list-style-type: none"> • Operations Management • Operations Management
2017 Fall	<ul style="list-style-type: none"> • Graduate---Management Science • Graduate---Management Science (distance education)
2017 Summer	<ul style="list-style-type: none"> • Operations Management
2017 Spring	<ul style="list-style-type: none"> • Operations Management
2016 Fall	<ul style="list-style-type: none"> • Operations Management • Graduate---Management Science
2016 Summer	<ul style="list-style-type: none"> • Operations Management
2016 Spring	<ul style="list-style-type: none"> • Operations Management • Graduate---Directed studies.
2015 Fall	<ul style="list-style-type: none"> • Operations Management • Operations Management
2015 Spring	<ul style="list-style-type: none"> • Graduate---Maritime Service Operations Management • Maritime Operations Management---Problem Solving
2014 Fall	<ul style="list-style-type: none"> • Graduate---Managerial Decision Making • Graduate---Supply Chain Management
2014 Summer	<ul style="list-style-type: none"> • Organizational Behavior

- Statistical Methods
- 2014 Spring • Organizational Behavior
- Statistical Methods
- 2013 Fall • Graduate---Management Science
- Project Management

Note: PBL, Project Based Learning

Graduate Faculty Appointment

- Graduate Faculty for the Master of Maritime Administration and Logistics, 2013-present

Graduate Student Thesis Committees

- Member of Ph.D. degree committee (2014-present) ---Shanran Tang, Ocean Engineering, Texas A&M University at Galveston
- Member of Ph.D. degree advisory committee (2015-present) --- Yujiao Sun, Dalian University of Technology, China
- Chair of master degree committee (2014-2015) ---Kara Armstrong, Master and Maritime Administration and Logistics
- Member of master degree committee (2017-2018) ---Stratton Muhmel, Master and Maritime Administration and Logistics
- Chairs of 11 master degree committees (2011-2013) --- Before I joined TAMUG
- Supervisors of four undergraduate student theses (2013) ---Before I joined TAMUG

Curriculum Development

Graduate Courses Redesign

- Supply chain management (used a process-based SCM framework and focused on the impacts of maritime transportation on supply chain management processes, Fall 2014)
- Maritime service operations management (contents are replaced with maritime practices, Spring 2015)
- Managerial decision making (reorganized course materials as a capstone project with industrial practices in the Port of Houston, Fall 2017)
- Capstone project based learning (PBL) course package design (Management Science Fall 2018; Operations Management, Spring 2019)
- Fined the two PBL course packages to a fully integrated data-driven PBL course package with two modules that blend the contents of both courses to be offered in two consecutive semesters

Undergraduate Courses Redesign

- Project Management: redesigned as a lean project management course with the case of the G&H towing company in Galveston (Fall 2013)

- Statistical Method (designed to cover statistical knowledge for lean six sigma green belt certification, with intensive usages of Excel for data analysis and hypothesis testing, Spring 2014)
- Organizational Behavior (designed to the organizational changes toward lean transformation, Spring 2014)
- Operations Management (redesigned to problem solving oriented, Spring 2015)

Executive Development Programs

Maritime Lean Six Sigma Green Belt (LSS GB) Certifications (2014)

- Designed a three-course package with the partnership with Moresteam.com (an industry leader in online LSS training)
- Redesigned and taught a statistics course (SCMT 303) and three existing MARA courses (MARA 460, MARA 364, MARA 363) so that undergraduates at TAMUG who take these courses can meet the knowledge requirements for Maritime LSS GB certification

Maritime LSS Black Belt (LSS BB) certification package (2014)

- Designed a four-course package, partnered with Morestream.com. Each course counts for three continuous education credit
- Redesigned and taught two existing MARA graduate-level courses (MARA 664 and Mara 636) so that graduate students at TAMUG can who take these courses can meet the 50% of the knowledge requirements for Maritime LSS GB certification

SCUT (South China University of Technology)-OSU Lean Leadership Certification (2013)

- Co-developed a five-day lean leadership certification package with faculty members at Fisher College of Business at the Ohio State University
- Taught one module (equivalent to one half-day) and translated the rest from English to Chinese

Dell-Tianjian University Supply Chain Management Certifications (2011)

- Developed a six-module (three days) certification package based on the Global Supply Chain Forum's supply chain management framework
- Taught the first cohort alone and co-taught another five cohorts with a colleague from Tianjin University (China)

National Certification of Warehousing and Storage Managers (2009)

- Designed and developed a 4x2 days (eight modules) of National Certification of Warehousing and Storage Managers for China Association of Warehousing and Storage
- Taught four modules to the first two cohorts

SERVICES

External Services

Services in the Standing Committees of the Transportation Research Board of National Academies

- Member/Friends of the Ports and Channels Committee
- Member/Friends of the Inland Waterway Committee
- Initiated (with two colleagues from other universities) a task force on the impact of switching transportation mode to develop the Gulf-Midwest freight export corridor

Reviewers for Academic Journals

- Reviewer of *Journal of Business Logistics* (B-Journal in the AACSB accredited journal list) (2012-present)
- Ad-hoc reviewer of *International Journal of Production Economics* (A-Journal in the AACSB accredited journal list) (2014, 2015)
- Ad-hoc reviewer of *Decision Sciences* (A-Journal in the AACSB accredited journal list) (2013, 2014)

Services in Professional Organizations

- Session chairs in DSI (2016, 2019) and POMS (2018)
- Judges for the Best Student Research Paper Award sponsored by CSCMP Houston Roundtable (2015, 2016)
- Vice President of CSCMP China Roundtable (2007-2013)
- Senior Research Fellow of China Association for Quality (2010-2013)

Services in Business Organizations

- Academic research advisor to the Greater Houston Port Bureau (2016-2018)
- Academic research advisor to the Texas Ports Association (2016-2018)

Professional Society Memberships

- Production and Operations Management Society (2005-presents)
- Council of Supply Chain Management Professionals (2005-present)
- Decision Sciences Institute (2016-present)
- International Association of Maritime Economics (2016-2018)
- AOM (2017-present)
- INFORMS (2017-present)

International Collaborations

- Visited six maritime-relevant universities in China in the summer of 2014 to discuss collaborative opportunities with TAMUG, resulting in Chinese scholars and Ph.D. students visiting TAMUG and more than 10 published papers between TAMUG faculty members and Chinese scholars)
- Hosted the visits of three Deans and one Associate Provost from four Chinese Universities to TAMUG to discuss collaborative research and student exchange with MARA at TAMUG (2014-2015)
- Hosted the Dean of the School Maritime Economics and Management at Dalian Maritime University (DLMU) as a visiting scholar at TAMUG (2014-2015)
- Drafted a Memorandum of Understanding between TAMUG and the School of Maritime Economics and Management at Dalian Maritime University (DLMU)
- Drafted a Memorandum of Agreement between TAMUG and Dalian University of Technology (DUT)
- Initiated a Student Exchange Programs (2+2) for MARA's undergraduate program with an option (2+2+1) for MARA's graduate programs (approval pending)
- Validated the curriculum at DLMU and DUT
- Supervised and hosted a visiting scholar (a Ph.D. candidate) from DUT for 13 months

Internal Services at the University (TAMUG)

Committee works at TAMUG

- Member of Post-Tenure-Review Committee of TAMU Galveston Campus (2019)
- Member of Department By-Law Committee (2017-2018)
- Member of Department Search Committee for two instruction-track faculty positions (2016)
- Member of Department Search Committee for two tenure-track faculty positions in Maritime Logistics and Maritime Finance (2015)
- Member of Department Search Committee for one instruction-track faculty position (2014)
- Member of the Five-Year Graduate Curriculum Redesign Committee (2014)
- Member of Graduate Application Committee (2014-2016)

Other Works to Support Department Committees

- Academic Advisor for one-sixth of all MARA undergraduate students (2013-2016)
- Supported the Department Curriculum Committee (2017-2018)
- Supported the Department Business Advisory Committee (2017-2018)
- Supported the Department Search Committee for a tenure track faculty position in Maritime Finance (2017) and marketed the position at 2017 CSCMP annual conference (The new hire was a candidate that I recruited at the conference)

- Supported the Department Search Committee for a tenure track faculty position in Business Analytics (2019) and marketed the position at 2019 CSCMP annual conference
- Supported the Department Search Committee for a tenure-track faculty position in Maritime Logistics (2015) and marketed the position at 2015 CSCMP annual conference (About 10 Ph.D. candidate in Business Logistics applied this position)

Faculty representatives of TAMUG in Local Professional Associations

- Faculty representative of TAMUG in the CSCMP local community in Houston (2014-present)
- Faculty representative of TAMUG in the Student Research Competition advisory committee at CSCMP Houston Roundtable (2014-2017)
- Faculty representative of TAMUG of APICS Houston Chapter (2017-present)