

Cumulative Curriculum Vita
Accompanying Faculty Activity Report/Self Evaluation

I. Professional Background

Name: Laird Burns

Department: Management Science, College of Business, University of Alabama in
Huntsville

Office Address: BAB 343

Academic Specialties: Management Science, Analytics, Supply Chain Management,
Complex Systems

II. Degrees:

Ph.D., Michigan State University, (2010), Major in operations and supply chain management, minor in complex systems. Dissertation title: "Does Supply Chain Design Matter? A Multi-Method Study of Supply Chain Architecture, Firm Performance, and Resilience under Conditions of Supply Disruption".

Graduate coursework in computational and mathematical modeling of complex and nonlinear systems (2003-2008), University of Michigan, Center for the Study of Complex Systems.

Master of Business Administration (1987), University of Michigan.

Bachelor of Business Administration (1983), Grand Valley State University.

III. Professional certifications:

Responsible Conduct of Research training, UAH, 2012-present. 8 hours per year.

Responsible Conduct of Research Certificate, 2005, Michigan State University Graduate School. This was a 40-hour NIH compliant research training in advocacy in research, ethical challenges, objectivity, fairness, human subjects research, and integrity in research.

Prior national and international automotive quality certifications through Automotive Industry action Group (AIAG) as Lead Assessor in TS-16949, QS-9000, TE-9000 and ISO-9000; Measurement Systems Analysis (MSA), Statistical Process Control (SPC); Failure Modes and Effects Analysis (FMEA); Production Part Approval Process (PPAP); Advanced Product Quality Process and Control Plans (APQP), and Reliability and Maintainability (R&M).

IV. Nonacademic professional experience:

2002 - Chief Operating Officer, Conveyor Maintenance and Supply, Incorporated (Affiliated company with Amprotech Inc.).

1997-2001 - Chief Operating Officer, Food Products Division, Frost Incorporated, (Affiliated company with Amprotech Inc.)

1996–1997 - President and CEO, Burns Industries Incorporated (Design engineering and

manufacturing company).

1997–2002, 1987–1996 - Management Consultant, Amprotech Incorporated. 1986 - Financial Analyst, Unisys Corporation, summer internship (MBA program). 1983–1985 - Human Resource Coordinator, Bil-Mar Foods.

V. Academic experience:

2016-present, Associate Professor, University of Alabama in Huntsville 2009-2016,
Assistant Professor, University of Alabama in Huntsville

April 2011 to April 2013 - Faculty member in the UA/UAH EMBA program, co-teaching supply chain management

2009 (Spring & Summer) – Doctoral student teacher, Michigan State University.

Taught MSC 372 - Manufacturing Planning and Control, MSC 373 - Logistics & Transportation Management, and MSC 470 Supply Chain Strategy to undergraduate students.

2002 to 2008 – Program coordinator, faculty lecturer, curriculum advisor, and faculty advisor to participants in the Masco Leadership Program in Operations and Supply Chain Management at Michigan State University Executive Development Programs.

Taught supply chain management, operations management, quality tools, independent and dependent demand, information systems, introduction to six sigma/statistics, and case studies.

2007 to 2008 - Faculty committee member and faculty advisor to participants, in the Masco Leadership Program in Innovation Management at Michigan State University Executive Development Programs.

This leading-edge collaborative program involves academic and professional experts from three universities and two companies, including Michigan State University, Rensselaer Polytechnic Institute, Babson College, Masco Corporation and Strategyn.

2006, 2007, 2008, Program faculty, Purchasing Management Association of Canada - Annual Supply Chain Management Leadership In-Residence Program.

Taught Supply Chain Management Future Trends and Issues, Strategic Problem Solving and Decision Making, Building the Right Relationships - Parts I and II, Strategic Communication and Relationship Skills, Tactical versus Strategic Supply Chain Management, Developments in Strategic Supply Chain Management: Technological Advances - Parts I and II, Performance Measurement and Supply Chain Management, and the Barilla. Loren and Knox Electronics Case Studies in this professional development program that leads to professional certification.

1990-1991- Adjunct faculty, Davenport University Department of Management.

Taught Entrepreneurship/Small Business Management courses.

VI. Teaching Activities: Summary list of courses taught, theses advised

MGT 611 – Supply chain management
MGT 693 – Supply chain strategy
MSC 511 – Logistics & transportation management
MSC 570 – Senior Logistics Advance Course (Special Projects), U.S. Army
MSC 605 – Operations management
MSC 622 – Analytics for managers
MGT 411 – Supply chain management MSC 385 – Operations analysis

2017 – Ph.D. Committee Member, Carole McLemore

20xx – Ph.D. committee member, Jose Martin

July 2017 to May 2018 – taught 27 credit hours of courses, including 4 graduate level MSC 570 courses for the U.S. Army (4 of the 6 noted just below)

June 2017 – September 2018 – taught 6 cohorts of the Army G-3 (Pentagon) sponsored Senior Logistician Advanced Course, which could be taken for course credit

VII. Research, Creative, and Scholarly Activity:

- Refereed Journal Articles: full citations at the end of this report
 - Handfield, Graham & Burns (2020), *Corona virus, tariffs, trade wars and supply chain evolutionary design*, International Journal of Operations & Production Management, Emerald Publishing Limited.
 - Graham, Burns, Hennelly & Meriton (2019), *Electric sports cars and their impact on the component sourcing process*, Business Process Management Journal, Emerald Publishing Limited.
 - Tseng, Burns, Simpson & Berkowitz (2017), *Increasing Army supply chain performance using an integrated end-to-end metrics system*, Defense Acquisition Research Journal: A Publication of the Defense Acquisition University, Defense Acquisition University.
 - Burns (2017), *An extended framework for supply chain risk management: Incorporating the complexities of emerging industries and large-scale systems*, International Journal of Manufacturing Technology and Management (Special Issue on Emerging Industries).
 - Burns, Mok & Colley (2014a), *Introducing concurrency to workflows: Theory and a real-world case study*, International Journal of Advanced Computer Science and Applications (IJACSA), Special Issue on Extended Papers from Science and Information Conference 2014.
 - Wilhite, Burns, Patnayakuni & Tseng (2014), *Military supply chains and closed-loop systems: resource allocation and incentives in supply sourcing and supply chain design*, International Journal of Production Research, Taylor & Francis.
 - Melnyk, Page, Wu & Burns (2012), *Would you mind completing this survey: Assessing the state of survey research in supply chain management*, Journal of Purchasing and Supply Management.

- Melnyk, Lummus, Vokurka, Burns & Sandor (2009), *Mapping the future of supply chain management: a Delphi study*, International Journal of Production Research.
- Zsidisin, Wagner, Melnyk, Ragatz & Burns (2008), *Supply risk perceptions and practices: an exploratory comparison of German and US supply management professionals*, International Journal of Technology, Policy and Management.
- Melnyk, Calantone, Luft, Stewart, Zsidisin, Hanson & Burns (2005), *An empirical investigation of the metrics alignment process*, International Journal of Productivity and Performance Management.
- Abstracts and Papers Delivered at Professional Meetings: **full citations at the end of this report**
 - Srail, Graham, Burns, Lorentz & Powell (2022), *Symposium Workshop: Leadership responses to supply chain disruption*, 2022 Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
 - Burns (Moderator), Capolongo, Gallipeau & Moreno (2022), *Panel discussion: Supply chain finance*, The 10th Annual Global Supply Chain Excellence Summit (USC), USC Marshall Randall R. Kendrick Global Supply Chain Institute.
 - Vyas (Moderator), Bumblauskas, Burns, Sundar & Dasu (2021), *Panel discussion: University-Industry Partnership Supporting COVID-19 Response and Healthcare Supply Chains During Pandemics*, 2021 POMS Annual Conference, Production and Operations Management Society.
 - Graham & Burns (2021), *E-mobility and outsourcing in the electric sports car industry*, 2021 POMS Annual Conference, Production and Operations Management Society.
 - Burns (Moderator), Alvarado, Bravo, Gilbert, McDonald & Natoli (2021), *Panel discussion: Supply chain resiliency*, The 9th Annual Global Supply Chain Excellence Summit (USC), USC Marshall Randall R. Kendrick Global Supply Chain Institute.
 - Loyd, Barnes & Burns (2021), *Merging cultures and practices of Toyota and Mazda – insights from the new joint company*, Decision Sciences Institute 52nd Annual Conference, Decision Sciences Institute.
 - Burns & Powell (2021), *Digital-lean transformation in the manufacturing industry – differences between cases in two countries*, Decision Sciences Institute 52nd Annual Conference Decision Sciences Institute.
 - Bumblauskas, Burns, Sundar, Dasu & Vyas (2021), *Panel Discussion: Academic and Industry Collaborative Consortium (Use-case of USC Healthcare Consortium)*, 2021 Supply Chain Management Director's Conference.
 - Bumblauskas (Moderator), Vyas (Moderator), Barut, Burns, Dasu, Dobrzykowski, Kalghatgi, Malenfant, Shockley & Volpe (2020), *Panel discussion: Addressing the supply chain challenges posed by COVID-19 -- University, Industry, and Government Consortium on Healthcare Supply Chain*, University of Southern California / University of Texas - Dallas Supply Chain Directors Conference, University of Southern California (USC) Marshall Center for Global Supply Chain Management.
 - Vyas (Moderator), Volpe, Reuter, Sunder, Dasu, Bumblauskas & Burns (2020), *Plenary panel talk: Healthcare supply chain consortium amid COVID-19*, 2020 Supply Chain Management Director's Conference, University of Southern California (USC) Marshall Center for Global Supply Chain Management.

- Shockley, Dobrzykowski, Kalghatgl, Burns, Barut, Volpe, Bumblaskas & Vyas (2020), *University of Southern California Supply Chain Healthcare Consortium and COVID-19 Response Panel*, Decision Sciences 2020 Annual Conference, Decision Sciences Institute.
- Graham, Burns & Hennelly (2019), *Digital Transformation in the Automotive Supply Chain*, 23rd Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Graham & Burns (2019), *E-mobility and outsourcing in the electric sports car industry*, 2019 POMS Annual Conference, Production and Operations Management Society.
- Srail, Hennelly, Graham, Brown & Burns (2018), *Workshop: The Future of the Automotive Industry*, 22nd Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Hennelly, Graham, Burns & Oberg (2017), *How will big data and the internet of things transform distributed product - service systems in the automotive sector?*, 21st Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Burns & Tseng (2016b), *Structural demand patterns in the computer industry: Increased costs beyond random demand patterns*, POMS 2016, Production and Operations Management Society.
- Burns & Tseng (2016a), *Mastering the digital transformation requires excellence in fundamentals: Partial effectiveness in supply chain design can be expensive*, The 20th Annual Cambridge International Manufacturing Symposium.
- Burns (2015b), *An extended framework for supply chain risk management: Incorporating the complexities of emerging industries and large scale systems*, The 19th Annual Cambridge International Manufacturing Symposium.
- Burns (2015a), *An extended framework for supply chain risk management*, Decision Sciences 46th Annual Meeting.
- Watson, Griffin, Farrington, Burns, Colley, Collopy, Doty, Johnson, Malak, Shelton, Szenfarber, Utley & Yang (2014), *Building a path to elegant design*, American Society for Engineering Management 2014 International Annual Conference.
- Burns, Mok & Colley (2014b), *Workflow re-engineering through introduction of concurrency*, IEEE Technically Co-Sponsored Science and Information Conference 2014.
- Burns, Colley & Morgan (2014), *Configuring large scale electrical energy supply chains to improve sustainability: Implications for supply chain design*, 2014 Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Colley, Burns & Morgan (2014), *Data Driven Demand Management on the Smart Grid*, POMS Annual Conference 2014.
- Burns & Tseng (2013), *Risk and resilience in global supply networks: how demand, design, and coordination affect financial and operational performance*, 2013 Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Burns & Nicholls (2013a), *How government acquisition decisions change when*

moving from price-based to life cycle cost analysis for high value long life products: Transforming the "more is less" paradox to "less is more", Decision Sciences Institute 2013 Conference.

- Burns & Tseng (2012), *The effects of demand patterns on supply chain costs for suppliers and manufacturers under supply chain constraints*, 2012 Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Colley & Burns (2012), *Data Driven Demand Management on the Smart Grid*, AlaSim International Conference 2012.
- Burns & Harris (2011), *An End-to-End Supply Chain View of Spares and Weapon Systems*, Defense Manufacturing Conference 2011.
- Burns & Tseng (2011), *The Impact of Customer Power On Demand Variation And Supply Chain Design: How Savvy Customers Use Negotiating Power With Suppliers to Competitive Advantage*, Decision Sciences Institute 2011 Conference.
- Berkowitz, Burns, Colley, Martin, Patnayakuni, Tseng & Wilhite (2011), *Supply chain management: End to end metrics initiative*, NASA/Army/Industry/ Academic Systems and Software Engineering Forum (2011).
- Burns, Tseng & Berkowitz (2011a), *Piercing the veil of complexity: The meaningful measurement of the integrated supply chain*, Production and Operations Management Society 2011 Conference.
- Burns, Tseng & Berkowitz (2010b), *Global network analysis in a military supply chain: Using a systems-based approach to develop a next-generation end-to-end supply chain performance measurement and prediction system*, 15th Annual Cambridge International Manufacturing Symposium (2010).
- Berkowitz, Gupta, Tseng, Burns & Harris (2010), *Designing products and international supply chains*, Winter Marketing Educators' Conference AMA, 2010.
- Burns, Tseng & Berkowitz (2010c), *Military Supply Chains: Characteristics, Challenges and Next Generation Metrics for an Army Supply Chain Command*, Decision Sciences Institute 2010 Conference.
- Burns & Melnyk (2010), *Do Supply Chain Relationships Matter? A Multi-Method Study of Supply Chain Relationship Structure, Firm Performance, and Resilience Under Conditions of Supply Disruption*, Decision Sciences Institute 2010 Conference.
- Berkowitz, Burns, Tseng & Wilhite (2010), *Characteristics, Challenges and Performance Metrics in Military Supply Chains*, INFORMS Deep South Conference 2010.
- Burns, Tseng & Berkowitz (2010a), *Global network analysis in a military supply chain: Using a systems-based approach to develop a next-generation end-to-end supply chain performance measurement and prediction system*, The 15th annual Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Burns & Melnyk (2009b), *The relationship between value chain design and resilience: A framework of value chain design*, 14th Cambridge International Manufacturing Symposium, Cambridge Institute for Manufacturing (IfM).
- Burns & Melnyk (2009c), *Supply chain design: A multi-method study of firm*

- performance and resilience under conditions of supply chain disruption*, POMS 2009, Production and Operations Management Society.
- Burns & Melnyk (2009a), *The Outcome-Driven Supply Chain: Implications for Supply Chain Management*, Decision Sciences Institute 2009 Conference.
 - Burns & Melnyk (2008b), *The Relationship between Supply Chain Design and Resilience: A Framework of Supply Chain Design*, Production and Operations Management Society 2008 Conference.
 - Melnyk, Burns & et al. (2008), *Be Careful What You Wish For: The Benefits & Pitfalls Learned Through Ten Years of Academic-Industry Collaboration*, Production and Operations Management Society 2008 Conference.
 - Burns & Melnyk (2008a), *Do Organizational Strategy and Supply Chain Architecture Matter? A Study of Complex Organizational Systems under Conditions of Supply Disruption*, Production and Operations Management Society 2008 Conference.
 - Burns & Melnyk (2007c), *Organizational Strategy and Supply Chain Architecture: A Multi-Method Study of Supply Disruptions*, INFORMS 2007 Conference.
 - Burns & Melnyk (2007b), *Firm Performance Implications of Organizational Strategy and Supply Chain Architecture: A Multi-Method Study Under Conditions of Supply Disruption*, Decision Sciences Institute 2007 Conference.
 - Melnyk, Sandor, Vokurka, Lummus & Burns (2007), *Mapping the Future of Supply Chain Management: A Series of Delphi Studies*, Decision Sciences Institute 2007 Conference.
 - Burns & Melnyk (2007a), *Do Organizational Strategy and Supply Chain Architecture Matter? A Multi-Method Study Under Conditions of Supply Disruption*, Production and Operations Management Society 2007 Conference.
 - Burns & Melnyk (2006a), *Do Organizational Strategy and Supply Chain Architecture Matter? A Multi-Method Study Under Conditions of Supply Disruption*, Decision Sciences Institute 2006 Conference.
 - Burns & Melnyk (2006b), *Visibility in Demand and Supply Networks: Effects of Risk Propagation on Firm Performance*, INFORMS 2006 Conference.
 - Melnyk, Sandor, Vokurka, Lummus & Burns (2006), *Future Perfect: A Forward Perspective on the Issues and Perspectives in Supply Chain Management*, Purchasing Management Association of Canada, Ninth Annual Supply Chain Management Conference.
 - Melnyk, Zsidisin, Luft, Calantone, Hanson & Burns (2006), *Process Management And Product Innovation: Uncovering The Hidden Paradox*, Performance Management Association 2006 Conference.
 - Zsidisin, Melnyk, Ragatz & Burns (2006), *Preliminary Findings from a Supply Risk Audit Instrument*, IPSERA/ISM 2006 Conference.
 - Melnyk, Calantone, Zsidisin, Luft, Hanson & Burns (2005), *Lean Systems and Breakthrough Product Innovation: Uncovering the Hidden Paradox*, Decision Sciences Institute 2005 Conference.
 - Burns & Melnyk (2005), *Learning and Adaptation in Supply Networks: A Complex Systems Approach*, International Federation of Purchasing and Supply Management, 2005 Summer School.
 - Burns (2005), *Organizational Change: Modeling the Effects of Resistance to Change*

- and Influential Agents*, Production and Operations Management Society 2005 Conference.
- Burns & Melnyk (2004), *Risk Management and Theory Development: Methodologies for Triangulation*, International Supply Chain Risk Management Network 2004 Conference.
 - Melnyk, Hanson, Calantone, Stewart, Zsidisin, Luft & Burns (2004), *Case Study Research on Metrics Deployment and Alignment*, Decision Sciences Institute Annual Conference.
 - Burns, Zsidisin & Ellram (2004), *The Moderating Role of Purchasing Integration in Managing Cost*, Decision Sciences Institute 2004 Conference, Decision Sciences Institute.
- Other Publications: full citations at the end of this report
 - Watson, Griffin, Farrington, Utle, Burns, Collopy, Mesmer & al. (2016), *Engineering elegant systems: Theory of systems engineering*, NASA/University of Alabama in Huntsville.
 - Burns (2014b), *Development of Cost of Quality Tool: Phase 1 Report*, Cost of Quality Return on Investment Project University of Alabama in Huntsville/AMRDEC (US Army).
 - Burns (2014c), *Development of Cost of Quality Tool: Phase 2 Report*, Cost of Quality Return on Investment Project University of Alabama in Huntsville/AMRDEC (US Army).
 - Burns (2014a), *Complex systems characteristics in the context of systems engineering*, NASA/UAH System Engineering Research Consortium.
 - Burns (2013), NASA Chief Engineer interviews: Expert insights on elegant design in systems engineering, NASA.
 - Berkowitz, Tseng, Burns, Martin & Colley (2012), ESCALE Final Report to U.S. Army, University of Alabama in Huntsville.
 - The White House (2012), *National Strategy For Global Supply Chain Security*, The White House, advisor.
 - Burns (2010b), *The impact of visibility and information sharing on firm performance: A multi-method study of firm performance and resilience under conditions of supply disruption*, Department of Supply Chain Management, Michigan State University.
 - Lummus, Melnyk, Vokurka, Burns & Sandor (2007), *Getting ready for tomorrow's supply chain*, Supply Chain Management Review.
 - Papers under review
 - Graham, Powell, Burns, Lorentz, Srai (2024) *Supply chain reconfiguration responses to multiple disruptions: compound effects and structural breaks*, submitted to Omega, July 2024.
 - Working Papers: full citations at the end of this report
 - Graham, Srai, Burns, Lorentz & Powell (2022), *Surfing the Wave: Reconfiguration Responses To Multiple Coexisting Structural Supply Chain Disruptions*, working paper.

- Vyas, Burns, Bumblauskas, Sundar & Pham (2022), *University-Industry Partnership Supporting Healthcare Supply Chains During Pandemics*, working paper.
- Burns, Graham & Powell (2021), *Supply chain resonance, complex network interactions. and COVID-19: A multi-method longitudinal study*, working paper (rejected by Production and Operations Management Journal).
- Burns, Graham, Powell & Barnett (2021), *Longitudinal multinational case studies on effects of COVID-19 on global supply chains: responsiveness, resilience, and restoration (3Rs)*, working paper.
- Graham, Burns, Powell, Phillips & Meriton (2021), *Beyond Bullwhip and Ripple Effects: Propagating Failures and Adaptive Improvisation Of Capabilities Under Global Supply Chain Stress From COVID*, working paper.
- Seyedghorban, Graham, Burns & Meriton (2020), *Innovation Over Time: From Knowledge Foundation to Knowledge Evolution to Knowledge Explosion*, working paper (rejected by Journal of Operations Management).
- Seyedghorban, Graham & Burns (2019), *Digitization and organizational supply chain readiness*, working paper.
- Burns & Tseng (2016b), *Structural demand patterns in the computer industry: Increased costs beyond random demand patterns*, POMS 2016, Production and Operations Management Society.
- Burns & Colley (2016), *Large Scale Demand Smoothing for Energy Supply Chains Using Smart Grid Technology*, working paper.
- Burns & Nicholls (2013b), *How government acquisition decisions change when moving from price-based to life cycle cost analysis for high value long life products: Transforming the "more is less" paradox to "less is more"*, working paper.
- Burns, Tseng & Berkowitz (2011b), *Supply chains as systems of systems: A theoretical framework for a next-generation end to end performance measurement with an initial test in a military supply chain*, working paper.
- Burns (2010a), *Can we design out supply chain risk? Evaluating the impact of visibility and information sharing on the ability of supply chains to deal with disruptions*, working paper.
- Burns (2009), *Resistance to change in supply networks: An exploratory study*, working paper.
- Interviews
 - Burns (2021), *Microchip shortage could kill your new car dreams*, WZDX TV.
- Invited Colloquia, Seminars and Presentations:

VIII. Research grants and Contracts Received:

- \$986,100 (estimated, awaiting dollar confirmation from PCS) since July 2017 as Program Facilitator for the U.S. Army Senior Logistician Advanced Course, which includes some students taking the course for COB graduate credit.
 - July 2017- \$164,350
 - September 2017- \$164,350
 - February 2018 - \$164,350

- April 2018 - \$164,350
- June 2018 - \$164,350
- September 2018 - \$164,350
- \$3,249,799 as POI or Co-PI on funded research projects, as follows:

Sep 2015	Sep 2016	NASA	awarded	\$	237,000	Co-PI
Aug 2015	Apr 2016	AMCOM	awarded	\$	17,762	PI
Jan 2015	Dec 2015	NASA	awarded	\$	600,000	Co-PI
Jan 2014	Dec 2014	NASA	awarded	\$	600,000	Co-PI
Jan 2014	Dec 2015	NASA	awarded	\$	150,000	Co-PI
Oct 2013	Sep 2014	USASAC	awarded	\$	640,000	Co-PI
Sep 2013	May 2014	AMRDEC	awarded	\$	69,656	PI
Feb 2013	Dec 2013	AMRDEC	awarded	\$	99,381	PI
Jan 2013	Dec 2013	NASA	awarded	\$	654,000	Co-PI
Jan 2013	Dec 2013	NASA	awarded	\$	182,000	Co-PI

- 36 student-semesters of funded student research at the graduate and undergraduate level, supporting these contracts

IX. Service activities (Include service to institution, discipline, and public), and consultation and other activities (Include personal consulting activities, extramural activities, business activities, and conflict of interest reporting, etc.)

UAH COB Faculty Reviews

- 2022-2023
 - Dr. Serena Zhu, Chair and committee member
 - Dr. Yi Tan, Chair and committee member
 - Dr. Hieu Pham, Chair and committee member
 - Dr. Karen Wallach, Committee member
 - Dr. Ivan (DJ) Hovermale, Chair and committee member
- 2021-2022
 - Dr. Serena Zhu, Chair and committee member
 - Dr. Yi Tan, Committee member
 - Dr. Hieu Pham, Chair and committee member
 - Dr. Dilcu Barnes, Chair and committee member
- 2020-2021
 - Dr. Serena Zhu, Chair and committee member
 - Dr. Yi Tan, Chair and committee member
 - Dr. Dilcu Barnes, Chair and committee member
- 2019-2020
 - Dr. Serena Zhu, Chair and committee member
 - Dr. Dilcu Barnes, Chair and committee member
- 2018-2019
 - Dr. Dilcu Barnes, Chair and committee member

UAH Faculty Senate – 2021-2023 Chair, Faculty and Resources Committee

UAH Faculty Senate President 2019-2020

UAH Faculty Senate 2018-2019, President-Elect

UAH Faculty Senate 2016-2018, Chair – Finance and Resource Committee

UAH Faculty Senate – elected April 2018 to Faculty Senate President-Elect for 2018-2019 (then President)

POMS 2018 Track Chair, Public Sector Supply Chains, Panel Session Chair Trach Chair, 2018 Cambridge Symposium (add additional years)

UAH COB

- 2022-2023 – member, MSC faculty search committee
- 2022 –member, business analytics undergraduate major committee
- 2022 – 2023 - worked with Huei Pham to set up MSC poster sessions for MSBA in Analytics, and MSC 622
- 2020-2021 member, MSC faculty search committee, Chair
- 2019-2020 member, MSC faculty search committee, Chair
- 2018-2019 member, MSC faculty search committee, Chair
- 2021 – Chair, ISSCA Department Chair Search Committee
- 2021-2022 – Promotion and Tenure Committee (PTAC) – Member and Chair
- 2018-present - COB Curriculum Committee
- Army G-3 (Pentagon) – Spring 2017 – worked in collaboration with UAH PCS, we proposed the next generation of the Senior Logistician Advanced Course
- Army G-3 (Pentagon) – 2017-2019 – worked in collaboration with UAH PCS, Program Facilitator for 6 cohorts of the Army Senior Logistician Advanced Course ~\$1,000,000 in educational funding

Panel Co-Organizer, 21st Annual Cambridge Annual International Manufacturing Symposium, 2017

Decision Sciences - Programs & Meeting Committee 2017-2019

Decision Sciences – 2017 Annual Meeting Track Chair – Logistics

Nominated for University Teaching Award, 2017-2018

Faculty Advisor, UAH Supply Chain Management Association club (2013-present).

Committee Member, UAH Student Conduct Board. (2013 - 2018).

Committee Member, U.S. Army version of graduate Supply Chain Management Certificate program (2014-2015).

Committee Member, developing new Master's degree in Supply Chain and Logistics Management (2014-2015).

Committee Member, developing new Master's degree in Business Analytics (2014-2015).

Committee Member, developing new Master's degree in Management – Human Resources Management (2014-2015).

Committee Member, DBA Program Committee for joint DBA program with Grenoble. (January 2013 - 2014).

Committee Member, Curriculum committee to review flexible specialization MS degree. (December 2013 - Present).

Committee Member, Curriculum committee for Management major. (September 2013 - Present).

Committee Member, Curriculum committee for Supply Chain Management concentration. (September 2013 - 2014).

Faculty member welcoming current students back to CBA, Student welcome events - several throughout year. (August 2013 - Present).

Committee Member, Faculty search committee for SCM/OM candidate. (May 2013 - January 2014).

Faculty Member, UA/UAH EMBA: April 2011 – April 2013. Co-taught supply chain management as part of the UAH commitment to this program.

Faculty Advisor, SCMA cleanup day for back brick foyer to CBA. (October 2013).

Faculty Advisor, SCMA tour of Brown's Ferry Nuclear Plant. (April 9, 2013).

Faculty Advisor, SCMA tour of Navistar. (March 13, 2013).

External Engagement

Army Materiel Command

- Burns Research LLC – 2021 to present – subcontractor to prime defense contractor on the U.S. Army Predictive and Preventive Maintenance (PPMx) program. Disclosable topics include providing advanced forecasting algorithms, organic industrial base analytics and performance metrics, and other publicly-searchable topics.
- Burns Research – 2018-2019 – Army Preventive Maintenance (APM) project proposal, invited to personal participate in a prime defense contractor proposal, participated in the proposal preparation and architecture.
- UAH – 2018-2019 – lobbied successfully to add UAH as another subcontractor in the APM proposal, to include UAH CBM (condition-based maintenance) algorithms, and exploratory machine learning - \$300,000 proposed in total for UAH.
- Burns Research – 2013 to 2016 – individual contract with Army Materiel Command to provide thought leadership and subject matter expertise on inventory management, forecasting, forecasting error analytics, and other topics.

2023 - Consultant to industry client on inventory optimization

2022 - Consultant to prime defense contractor on proposal opportunities for U.S. Army

2021 – 2022 - Expert witness on international court case concerning supply chain management, inventory optimization, and customer delivery performance

2022 - Consulting Subject matter expert to company serving x-ray and radiation detection industry

February 2019 – Worked with prime contractor in defense industry and partner companies (subcontractors on the proposal) in personal and UAH proposal elements for the AMC APM project

October 2018 – April 2019 – Army Preventive Maintenance project proposal development - worked with prime contractor in defense industry and several subcontractor organizations

22 August 2018 – LOGSA, Redstone Arsenal - Subject matter expertise briefing to senior leadership, discussed prior work for prior AMC DCG on the ESCALE project, discussed issues of readiness in what would become AMC CG's new APM initiative, advised LOGSA on detailed specifics they should incorporate into any future SOW for this project.

12 February 2018 – briefed AMC Commanding General, on prior research supporting USAMC and path forward for future work supporting US Army

26 December 2015 –advising AMC Deputy Chief of Staff for Operations and Logistics (G-3/4), Major General.

Advising the Commanding General (CG) of AMCOM, as a supply chain management subject matter expert (2015).

Advising the upcoming Commanding Officer (CO) of Corpus Christi Army Depot (CCAD), as a supply chain management subject matter expert (2015).

Advisor, Alabama State Representative Michael Ball on issues regarding economics, education, economic development, tax policy, supporting Medicare and funding for the poor, and the roles of government versus the private sector.

Supply chain subject matter expert to several companies, including the following industries: smart electrical grids, electronic component and products, solar energy and their key customers, including TVA and TVA distributors, and Redstone Arsenal.

Founding member and active participant, Center for Complex Adaptive Supply Networks (CaSN) at Arizona State University, which has grown to 64 members from 45 academic institutions in 12 countries.

Numerous College of Business Fall and Spring recruiting and student social events, such as hot dog days at UAH and recruiting at Calhoun Community College (for the last 5 years).

Reviewer, Organic Process Research & Development (paper on reconfiguring pharmaceutical supply chains), 2015.

Session Chair, 14th, 15th, 16th, 18th, and 19th Annual Cambridge Annual International Manufacturing Symposium, 2009, 2010, 2012, 2014, 2015.

Facilitator, Workshop on the Design of the National Network for Manufacturing Innovation (NNMI), a White House initiative to develop a national strategy for advanced manufacturing technology innovation. Workshop jointly sponsored by Department of Defense, NASA and UAH. NNMI Strategy jointly developed by the U.S. Department of Defense, NASA, Department of Energy, National Science Foundation, Department of Commerce, and Department of Education. January, 2013. Huntsville, AL.

Session Chair, Decision Sciences Annual Conference, 2013.

The White House (2012), *National Strategy For Global Supply Chain Security*, The White House. Advisor, CSSCWG (Cross-Sector Supply Chain Working Group)

X. Honors, Awards, and Special Recognitions:

Outstanding Undergraduate Faculty Award, UAH College of Business 2018-2019

Outstanding Graduate Faculty Award, UAH College of Business 2016-2017 (year?)

College of Business SGA Faculty Appreciation Award, awarded by UAH Student Government Association (University level award), 2014.

Outstanding Undergraduate Teaching Award, College of Business, University of Alabama in Huntsville, 2012- 2013 (also nominated in 2010 and 2011).

My dissertation research was supported by the 2007 Institute for Supply Management Doctoral Dissertation Grant in Supply Management, the Michigan State University Graduate School, and the Department of Marketing & Supply Chain Management at the Broad Graduate School of Business at Michigan State University.

Best Academic Paper Award, *Performance Measurement Association 2004 Conference*, Edinburgh, Scotland, co-author with Steven Melnyk, Roger Calantone, Joan Luft, George Zsidisin, and Douglas Stewart.

Responsible Conduct of Research training, University of Alabama in Huntsville, 2012-2017.

Responsible Conduct of Research Certificate, 2005, Michigan State University Graduate School. This is NIH compliant research training in advocacy in research, ethical challenges, objectivity, fairness, human subjects research, and integrity in research.

XI. BIBLIOGRAPHY

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