**John E. Bell, Ph.D.**

Department of Supply Chain Management, Haslam College of Business

University of Tennessee, Knoxville TN

(865) 974-8397, e-mail: bell@utk.edu

**EDUCATION**

Ph.D., Management, Auburn University, 2003.

Dissertation: A simulated annealing approach for the composite facility location and resource allocation problem: A study of strategic positioning of US Air Force munitions

Chair: Patrick R. McMullen, Associate Professor, Wake Forest University

M.S., Logistics Management, Air Force Institute of Technology, 1998.

B.S., History, United States Air Force Academy, 1990.

**PROFESSIONAL EXPERIENCE**

2010-Present, Department of Supply Chain Management, Haslam College of Business, University of Tennessee, Knoxville Tennessee

2017-Present *Daniel & Karen Myers Supply Chain Fellow*, *Bartley Family Research Scholar & Associate Professor of Supply Chain Mgt.*

2015-2017 *William B. Stokely Faculty Research Fellow & Associate Professor*

 *of Supply Chain Management*

2010-2015 *Demand and Supply Integration (DSI) Forums Distinguished Scholar & Assistant Professor of Supply Chain Management*

2006-2010, *Adjunct Professor of Logistics Management*, Georgia College & State University, Milledgeville, GA

2003-2006, *Assistant Professor of Logistics Management*, Department of Operational Sciences, Graduate School of Engineering and Management, Air Force Institute of Technology, Dayton, OH

2000-2003, *Graduate Research and Teaching Assistant*, Department of Management, College of Business, Auburn University, Auburn, AL

1990- 2010, *Lieutenant Colonel*, United States Air Force, Logistics and Maintenance Officer

**PRIMARY RESEARCH INTERESTS**

Supply chain strategy, sustainability, vehicle routing, facility location, natural resource scarcity, network design, transportation management, metaheuristics and combinatorial optimization.

**PRIMARY TEACHING INTERESTS**

Supply Chain Management, Logistics Management, Operations Management, Business Quantitative Methods, Global Supply Chain Strategy and other specialty electives in Supply Chain Management

**PEER REVIEWED JOURNAL ARTICLES**

32. Yoon, Taekwan, Christopher R. Cherry, Megan S. Ryerson, and John E. Bell. (2019)

“Carsharing Demand Estimation and Fleet Simulation with Electric Vehicle Adoption” *Journal of Cleaner Production,* Vol. 206, 1051-1058.

31. Castillo, Vincent, Diane A. Mollenkopf, John E. Bell, and Hamparsum Bozdogan (2018)

“Supply Chain Integrity: A Key to Sustainable Supply Chain Management.” *Journal of Business Logistics,* Vol. 39(1), 38-56.

30. Hazen, Benjamin T., Randy V. Bradley, John E. Bell, Joonhwan In and Terry Byrd (2018).

“Enterprise Architecture: A Competence Based Approach to Achieving Agility and Performance” *International Journal of Production Economics,* Vol. 193, 566-577.

29. Castillo, Vincent, John E. Bell, William J. Rose and Alexandre M. Rodrigues (2018).

“Crowd-Sourcing Last Mile Delivery: Strategic Implications and Future Research Directions” *Journal of Business Logistics,* Vol. 39(1), 7-25.

28. Rose, William J., John E. Bell, Chad W. Autry, and Christopher R. Cherry (2017). “Urban

Logistics: Establishing Key Concepts and Building a Conceptual Framework for Future Research” *Transportation Journal,* Vol. 56(4), 357-394.

27. Stank, Theodore P., Daniel A. Pellathy, Joonhwan In, Diane A. Mollenkopf, and John E.

Bell (2017). “New Frontiers in Logistics Research: Theorizing at the Middle Range,” *Journal of Business Logistics,* Vol. 38(1), 6-17.

26. Matopoulos, Aristides, John E. Bell, and Emel Aktas (2016). “The Use of Modelling in

Purchasing and Supply Management Literature” *Journal of Purchasing and Supply*

*Management,* Vol. 22(4), 262-265.

25. Rajappa, Gautham P., Joseph H. Wilck, and John E. Bell (2016). “An Ant Colony

Optimization and Hybrid Metaheuristic Algorithm to Solve the Split Delivery VRP,” *International Journal of Applied Industrial Engineering,* Vol.3(1), 55-73.

24. Esmark, Carol L., Stephanie M. Noble, and John E. Bell (2016). “Open Versus Selective

Customer Loyalty Programmes” *European Journal of Marketing*, Vol. 50(5/6), 770-795.

23. Rose, William J, Chad W. Autry, Diane A. Mollenkopf, and John E. Bell (2016). “Exploring

 Urban Institutional Pressures on Logistics Service Providers,” *International Journal of*

 *Physical Distribution & Logistics Management,* Vol. 46(2), 153-176.

22. Esmark, Carol L., Stephanie M. Noble, John E. Bell, and David A. Griffith (2016). “The

Effects of Behavioral, Cognitive, and Decisional Control in Co-Production Service Experiences,” *Marketing Letters*, Vol. 27(3), 423-436.

21. In, Joonhwan and John E. Bell (2015). “The Impact of Alternative Fuels Infrastructure

and Customer Location Patterns on Fleet Mix and Vehicle Routing,” *Transportation Journal,* Vol*.* 54 *(*4),409-437.

20. Bell, John E., Chad W. Autry, and Stanley E. Griffis (2015). “Supply Chain Interdiction as

a Competitive Weapon,” *Transportation Journal,* Vol. 54(1), 89-103.

19. Saunders, Lance, Bell, John E., and Rapinder Sawhney (2015). “Dedicated Versus Contract Carriage” *Transportation Journal,* Vol. 54(1),122-135.

18. Bell, John E., Randy V. Bradley, Brian S. Fugate and Benjamin T. Hazen (2014).

“Logistics Information System Evaluation: Assessing External Technology Integration and Supporting Organizational Learning,” *Journal of Business Logistics,* Vol. 35(4), 338-358.

17. Autry, Chad W., William J. Rose, and John E. Bell (2014). “Reconsidering the Supply

 Chain Integration – Performance Relationship: In Search of Theoretical Consistency

 and Clarity,” *Journal of Business Logistics,* Vol. 35(3), 275-276.

16. Bell, John E., Diane A. Mollenkopf, and Hannah J. Stolze (2013), “Natural Resource Scarcity and the Closed-Loop Supply Chain: A Resource-Advantage View,” *International Journal of Physical Distribution & Logistics Management,* Vol. 43(5/6), 351-379.

15. Fleming, Christopher L., Stanley E. Griffis, and John E. Bell (2013), “The Effects of

Triangle Inequality on the Vehicle Routing Problem,” *European Journal of Operational Research,* Vol. 224(1), 1-7.

14. Bell, John E., Chad W. Autry, Diane A. Mollenkopf, and LaDonna M. Thornton (2012), “ A Natural Resource Scarcity Typology: Theoretical Foundations and Strategic Implications for Supply Chain Management,” *Journal of Business Logistics,* Vol. 33(2), 158-166.

13. Griffis, Stanley E., John E. Bell, and David J. Closs (2012), “Metaheuristics in Logistics and Supply Chain Management,” *Journal of Business Logistics,* Vol. 33(2), 90-106.

12. Bell, John E., Stanley E. Griffis, William A. Cunningham III and Jon A. Eberlan (2011), “Location Analysis: A Strategic Network for Homeland Defense,” *Omega,* Vol. 39(2),151-158.

11. Burks, Robert E. Jr., James T. Moore, J. Wesley Barnes and John E. Bell (2010), “A Tabu Search Approach for the Theater Distribution Problem,” *Military Operations Research*, Vol. 15(4), 5-26. \*\***Winner 2011 MOR Journal Award**

10. Skipper, Joseph B., John E. Bell, William A. Cunningham III and Daniel D. Mattioda (2010), “Forward Positioning and Consolidation of Strategic Inventories” *Journal of Transportation Management,* Vol. 21(1), 27-41.

9. Bell, John E. and Stanley E. Griffis (2010), “Swarm Intelligence: Application of the Ant Colony Optimization Algorithm to Logistics-Oriented Vehicle Routing Problems” *Journal of Business Logistics,* Vol. 31(2),157-175.

8. Bell, John E. and Jeffery D. Weir (2010), “Location Analysis: Application of ReVelle and Rosing’s Roman Empire Problem,” *Decision Sciences Journal of Innovative Education,* Vol. 8(2), 353-359.

7. Overholts, Dale L. II, John E. Bell, and Marvin A. Arostegui (2009), “A Location Analysis Approach for Military Maintenance Scheduling,” *Omega,* Vol. 37(4),838-852.

6. Heilmann, Sharon G., John E. Bell and Gavain R. McDonald (2009), “Work-Home Conflict: A Study of the Impact of Role Conflict on Military Officer Turnover Intention,” *Journal of Leadership & Organizational Studies,* Vol. 16(1), 85-96.

5. Maynard, Jill L., John E. Bell, and Alan W. Johnson (2008), “Frustrated Hazardous

Material: Military & Commercial Training Implications,” *Transportation Journal*, Vol. 47(1), 30-42.

4. Dawson, Michael C., John E. Bell, and Jeffery D. Weir (2007), “A Hybrid Location Method for Missile Security Team Positioning,” *Journal of Business and Management*, Vol. 13(1), 5-19.

3. Bell, John E. and Patrick R. McMullen (2004), “Ant Colony Optimization Techniques for the Vehicle Routing Problem,” *Advanced Engineering Informatics*, Vol. 18, 41-48.

\*\***2nd most-cited article in journal, 2004-2009. Google Scholar (700+ cites).**

2. McMullen, Patrick R., Mark Clark, David Albritton, and John Bell (2003), “A Correlation and Heuristic Approach to Production Sequences with Uniformity of Tool Wear,” *Computers & Operations Research*, Vol. 30 (3), 435-454.

1. Underwood, David, and John E. Bell (1999), “Munitions Availability and the Expeditionary Air Force,” *Air Force* *Journal of Logistics,* Vol. 23 (4), pp. 12-13, 38-40. \*\***Best Paper Award, AFJL.**

**BOOKS**

Autry, Chad W., Thomas J. Goldsby and John E. Bell (2012), Global Macrotrends and their Impact on Supply Chain Management New York: Financial Times Press: Pearson Inc.

**BOOK CHAPTERS**

Bell, John E. (2018) “Inventory Management”. In *Leveraging Supply Chain Management to*

*Drive Organizational Success.* Eds. Stank, T.P. and Scott, S.D. Dubuque IA: Great River Learning. ISBN 9781680756418.

Bell, John E. (2018) “Network Design”. In *Leveraging Supply Chain Management to*

*Drive Organizational Success.* Eds. Stank, T.P. and Scott, S.D. Dubuque IA: Great River Learning. ISBN 9781680756418.

Bell, John E. and Christopher W. Craighead (2016) “Raw Material Feast or Famine?

Integrating Supply Networks to Overcome Resource Scarcity” In *Supply Chain Integration.* Eds. Autry C.W and Moon M. Old Tappan NJ: Pearson Education Inc., ISBN-10: 0-13-421052-2, pp. 239-266.

Bell, John E. and Stanley E. Griffis (2016) “Military Applications of Location Analysis” In

*Applications of Location Analysis.* Eds. Eiselt, H.A. and Marianov, V. International Series in Operations Research & Management Science, New York: Springer, ISBN 978-3-319-20282-2, pp. 403-433.

**UNDER REVIEW**

Bradley, Randy V., Bogdan Bichescu, John E. Bell, and Terry Esper. “Supply Chain

Sensitive IT Decision Making: Linking IT Governance with Supply Chain Efficiency in

US Hospitals” Under 4th Review at *Supply Chain Management: An International Journal.*

**RESEARCH IN PROGRESS**

Bell, John E., Diane A. Mollenkopf, Donna F. Davis and Hannah J. Stolze. “Identifying Resource Scarcity Mitigation Strategies,” targeted for *Journal of Supply Chain Management.* Currently in data analysis and manuscript development stages.

Rose, William J., John E. Bell, and Stanley E. Griffis. “Vehicle Routing Under Urban Traffic

Conditions,” targeted for *Transportation Research Part E.*  Currently in data analysis and manuscript drafting stages.

Castillo, Vincent E., Diane A. Mollenkopf, John E. Bell, and Terry Esper. “Seeking Expert Consensus on the Design of Crowdbased Innovations in the Logistics Service Ecosystem” targeted for *Journal of Operations Management.* Currently completing manuscript for first submission.

Castillo, Vincent E., John E. Bell, Diane A. Mollenkopf, Theodore Stank and Bogdan Bichescu, “Testing Crowdbased Logistis Business Models” targeted for *Journal of Operations Management.* Currently completing analysis and preparing manuscript.

Rose, William J., Chad W. Autry, and John E. Bell. “Testing Urban Delivery Strategies in Divergent City Types,” targeted for *Journal of Operations Management.* Currently in analysis and manuscript development stages.

Hoang, Trang, Bell, John E., Mollenkopf, Diane A, and Vincent E. Castillo. “The Strategic

Importance of Traceability: Ensuring Sustainable Supply Chain Management and Risk

Mitigation” targeted for *Journal of Supply Chain Management.* Currently in conceptual development stage.

Bell, John E., and Hoang, Trang. “Sustainable Logistics and E-Commerce in Developing

Nations: A Study of Urban Food Delivery in Vietnam” targeted for *International Journal*

*of Physical Distribution and Logistics Management.*

**PUBLISHED CONFERENCE PROCEEDINGS**

William J. Rose, John E. Bell, and Chad W. Autry. “GIS Supported Simulation of

Urban Vehicle Routing Algorithms. Proceedings of the Council of Supply Chain

Management Professionals (CSCMP) Academic Research Symposium, 2017.

William J. Rose, John E. Bell, and Stanley E. Griffis. “Algorithms for Vehicle Routing

Problems Under Urban Traffic and Uncertainty Conditions.” Proceedings of the Council of Supply Chain Management Professionals (CSCMP) Educator’s Conference, 2016.

Diane A. Mollenkopf, Vincent Castillo, and John E. Bell. “Supply Chain Integrity***”***

Proceedings of the Council of Supply Chain Management Professionals (CSCMP) Educator’s Conference, 2015.

## **William J. Rose, John E. Bell and Mary C. Holcomb. “A Simplified Teaching Approach for Inventory Order Sizing: Adjusting for High Order Costs and Lead Times” Proceedings of the Annual Conference of the Decision Sciences Institute, 2013.**

## **Ehasz, Robert F., William A. Cunningham and John E. Bell. “Cost Benefit Analysis of Avian**

## **Radar Systems” Proceedings of the Western Decision Sciences Institute, 2013.**

## **Griffis, Stanley E., John E. Bell, Christopher L. Fleming, and Michael L. McConnell. “Sustainment Routing for Orbiting Satellites” Proceedings of the Annual Conference of the Decision Sciences Institute, 2012.**

## **Kleiv, Dain O., Joseph B. Skipper, William A. Cunningham, and John E. Bell. “Resource Consolidation and Location Decision Making for Damaged and Disabled Aircraft Recovery” Proceedings of the Western Decision Sciences Institute, 2012.**

Bell, John E., and Stanley E. Griffis. “The Impact of Demand Patterns on Heuristic Algorithm Stability in the Vehicle Routing Problem” Proceedings of the Annual Conference of the Decision Sciences Institute, 2011.

Skipper, Joseph B., John E. Bell, William A. Cunningham, and Daniel D. Mattioda. “Locating and Consolidating Strategic Inventory” Proceedings of the Western Decision Sciences Institute, 2011.

Bell, John E, Stanley E. Griffis, William A. Cunningham and Jon Eberlan, “ Location Analysis: A Strategic Network for Homeland Defense,” Proceedings of the Western Decision Sciences Institute, 2010. \*\***Conference Best Paper Award**

Bell, John E., Joseph B. Skipper, William A. Cunningham, Daniel D. Mattioda and Krista LaPietra, “Location consolidation of military equipment for deployment” Proceedings of the Western Decision Sciences Institute, 2010.

Heilmann, Sharon G., Gavain K. McDonald, and John E. Bell, “Work-Home Conflict: A Study

of the Impact of Role Conflict on U.S. Air Force Company Grade Officers’ Turnover Intentions,” Academy of Management (AoM) Annual Meeting, 2008.

Overholts, Dale L., Marvin A. Arostegui, and John E. Bell, “A Location Analysis Approach for

Intercontinental Ballistic Missile Maintenance Scheduling,” Proceedings of the Annual

Conference of the Decision Sciences Institute, 2006.

Dawson, Michael C., John E. Bell, and Jeffery D. Weir, “A Hybrid Location Model for Missile Security Team Positioning,” Proceedings of Western Decision Sciences Institute, 2006. \*\***Track Best Paper Award.**

Bell, John E., and Stanley E. Griffis, “A Comparison of Algorithms for Logistics-Oriented Vehicle Routing Problems,” Proceedings of Western Decision Sciences Institute, 2005.

Bell, John E., and Patrick R. McMullen, “A Heuristic Approach to Munitions Distribution with

Stochastic Hostilities,” Proceedings of the Production and Operations Management Society, 2003.

Bell, John E., and Patrick R. McMullen, “An Ant Colony Optimization Approach to the Vehicle

Routing Problem,” Proceedings of Western Decision Sciences Institute, 2003.

McMullen, Patrick R., Mark Clark, John E. Bell, and David Albritton. “A Canonical Correlation

and Heuristic Approach to Uniform Tool Wear,” Proceedings of the Annual Conference

of the Decision Sciences Institute, 2001.

# TRADE JOURNALS AND PERIODICALS

Bell, John E. (2016). “Deep Roots: A History of Mentorship at WDSI” *Decision Line,* October

Issue, Vol 47, No. 5, pg. 21.

Goldsby, T.J., Autry, C.W., and John E. Bell (2015). “Thinking Big! Incorporating Macrotrends

into Supply Chain Planning and Execution.” *Foresight, The Journal of Applied Forecasting,* Vol. 37, pp. 13-18.

Mollenkopf, Diane A., and John E. Bell (2014). “Resources May Not Be Running Out…But

that Doesn’t Mean Business as Usual” Invited article for *Supply Chain Management*

*Review*, Online version, 11 June.

Autry, C.W., Bell, John E., and Thomas J. Goldsby (2013). “Supply Planning for a Changing

World” *Forward Scan,* Institute for Supply Management, Vol. 3(3), June/July.

Goldsby, T.J., Autry, C.W., and John E. Bell (2013). “The Macrotrends at Work in Our Supply Chains: Embrace…or Brace for...the Changes Ahead,” *Distribution Business Management Journal*, Vol. 15 (1), pp.18-19.

Bell, John E. and Diane A. Mollenkopf (2013), “The Competitive Impact of Natural Resource Scarcity,” *CSCMP Hot Topics*, Council of Supply Chain Management Professionals. April.

Bell, John E. (2012), “From the Combat Zone to the Classroom: Decision Science in Practice and Theory,” *Decision Line*, May/July edition.

Bell, John E. (2012), “Natural Resource Scarcity in the Supply Chain,” *Supply Chain Management Review*, Online version, 12 March.

Alan W. Johnson, William C. Ford, Jeremy Howe and John E. Bell (2006), “Automatic Test Systems: Unique vs. Common Core Management,” *Defense Acquisition Review Journal*, Vol. 13 (2), pp. 171-185.

Patterson, Kirk A. and John E. Bell (2006), “Defense Transportation Coordination Initiative,” *Logistics Quarterly*, May/June edition.

Bell, John E. (2001), “Munitions Co-Production Could Save $11 Million,” *National Defense*, May edition.

# TECHNICAL REPORTS AND WHITE PAPERS

Meline, Scott, John E. Bell, Diane A. Mollenkopf, and Michael Burnett. (2016). Industry White

Paper: Transparency in the Sustainable Supply Chain, University of Tennessee,

Global Supply Chain Institute, Sponsored by SC Johnson.

Castillo, Vincent, Bell, John E. and Mollenkopf. (2016) “Transparency and Sustainable Supply

Chain Management in Department of Defense Procurement” Contracted Research Report submitted to the United States Air Force, Air Force Institute of Technology, 14 September.

Bell, John E. and David M. Gligor. (2013) “Incremental Change to a Transformational Agile

Strategy.” In the Industry White Paper: Game-Changing Trends in Supply Chain: First Annual Report by the Supply Chain Faculty at the University of Tennessee, University of Tennessee, Global Supply Chain Institute, sponsored by Ernst & Young and Terra Technology.

Bell, John E. and Diane A. Mollenkopf. (2012) "Returns Management, Resource Scarcity, and

Organizational Performance: Implications for the U.S. Air Force" Technical Report

#FA8601-11-P-0439-2, Submitted to the United States Air Force, Air Force Institute of Technology, 29 February.

**RESEARCH GRANTS**

$99,000 (2017) – UT Secondary Investigator; Tennessee DOT, Fuels and Freight

$30,000 (2016) – UT Co-Principal Investigator; USAF Supply Chain Transparency Research

$15,000 (2014) – UT Co-Principal Investigator; UT GSCI Closed Loop NRS Research

$50,000 (2012) – UT Co-Principal Investigator; USAF Returns and Resource Scarcity

$80,000 (2010) – AFIT Co-Principal Investigator; USAF Location Analysis Research II

$20,000 (2009) – AFIT Co-Principal Investigator; USAF Location Analysis Research

$30,000 (2005) – AFIT Co-Principal Investigator; USAF Customer Relationship Research

# PRESENTATIONS

“Understanding Product Traceability in the Supply Chain.” Western Decision Sciences Institute (WDSI) Conference, Los Angeles, California, March 2019, forthcoming, with Hoang Trang.

“Empirical Evidence for Countering Natural Resource Scarcity in the Supply Chain”. Western Decision Sciences Institute (WDSI) Conference, Lihue, Hawaii, April 2018.

“Innovations Partnerships with Universities Panel”. Invited panelist on Aerospace Education. Aerospace Industries Association (AIA) Supplier Management Conference, Indianapolis, Indiana, March 2018.

“Sustainable Supply Chain Risks: Challenges, Opportunities and Research” Invited Lecture at Georgia State University Logistics Roundtable, Atlanta GA, February 2018.

“Natural Resource Scarcity and the Supply Chain” Invited MBA Lecture, Michigan State University, February 2018.

“An Agile Systems Perspective of Crowdbased Logistics Business Models for Last Mile Delivery”. Annual Conference of the Decision Sciences Institute (DSI), Washington DC, November 2017. With Vincent Castillo.

“A Typology of Crowdbased Logistics Models and Strategic Implications for Omnichannel Supply Chains.” Council of Supply Chain Management Professionals (CSCMP). September 2017 Annual Meeting, Atlanta, GA. With Vincent Castillo and Diane Mollenkopf.

 “An Agile Systems Perspective of Omnichannel Fulfillment Using Crowdsourced Logistics.” Western Decision Sciences Institute (WDSI). April 2017. Annual Meeting, Vancouver, BC, Canada. With Vincent Castillo and Diane Mollenkopf.

“Natural Resource Scarcity and the Supply Chain” Invited MBA Lecture, Michigan State

University, February 2017.

“Strategic Implications of Crowdsourced Logistics.” Decision Sciences Institute (DSI). Nov 2016 Annual Meeting, Austin, TX. With Vincent Castillo and William Rose.

"Innovative Distribution with Crowdsourced Logistics." Product Development and Management Association (PDMA) October 2016 Annual Conference, Atlanta, GA. With William Rose and Vincent Castillo.

“Supply Chain Sustainability and Transparency” Air Force Institute of Technology (AFIT), Air Force Supply Chain Capstone Course, Dayton Ohio, September 2016. With Vincent Castillo and Diane Mollenkopf.

“Challenges and Opportunities for Sustainability Risks in Supply Chain: Research and Practical Cases,” Peru CSCMP Online Seminar, May 2016. **500+ attendees from industry and three Universities in Peru.**

“Supply Chain Sustainability” Breakout Presentation, UT Supply Chain Forum, Knoxville Tennessee, April 2016. With Wendy Tate.

“There’s an App for that: Simulating Crowdsourced Logistics” Western Decision Sciences Institute Conference, Las Vegas Nevada, April 2016. With Vincent Castillo and William J. Rose.

“Migrating Towards Using Electric Vehicles on Campus – Proposed Method for Fleet Optimization” 95th Annual Meeting of the Transportation Research Board, Washington D.C. January 2016. With Taekwan Yoon, Christopher Cherry, and Megan Ryerson.

“Modeling Crowd-Sourced Logistics” Annual Conference of the Decision Sciences Institute, Seattle Washington, November 2015. With Vincent Castillo and William J. Rose.

“Transportation Trends Panel” Moderator for Panel, Annual Conferences of the Decision Sciences Institute, Seattle Washington, November 2015.

“Supply Chain Network Design & Inventory Optimization.” Breakout Presentation, UT Supply Chain Forum, Knoxville Tennessee, November 2015. With Sean Willems.

“Supply Chain Sustainability: Future Challenges and Opportunities.“ Invited Presentation, Supply Chain Outlook Forum, Chicago Illinois, November 2015.

“Natural Resource Scarcity and the Supply Chain” Invited MBA Lecture, Michigan State University, February 2015.

 “Tailoring Urban Logistics Strategies to Location-Specific Characteristics: An Agent-Based Simulation Approach,” Annual Conference of the Decision Sciences Institute, Tampa Florida, November 2014, with William J. Rose and Chad W. Autry.

“The Impacts of Alternative Fuel Infrastructure and Customer Location Patterns on Fleet Mix in the Vehicle Routing Context” Annual Conference of the Decision Sciences Institute, Tampa Florida, November 2014 with Joonhwan In.

“Real World Practical Influences on Vehicle Routing and Urban Delivery” Invited Presentation to the *Southeast Transportation Seminar Series*. University of Tennessee College of Engineering, Knoxville Tennessee, September 2014 with William J. Rose.

“Global Supply Chain Trends: ‘Finding the Next Game-Changer’ ” Towson University Supply Chain Forum. Invited Keynote Lecture. Baltimore Maryland, May 2014.

“Supply Chain 2030” Warehouse Education and Research Council (WERC) Annual Conference, Chicago Illinois, April 2014, in collaboration with Chad Autry and Tom Goldsby.

“Military Applications of Location Analysis” Western Decision Sciences Institute Conference, Napa California, March 2014 with Stanley E. Griffis.

“Natural Resource Scarcity and the Supply Chain” Invited MBA Lecture, Michigan State University, February 2014.

“Spatial Patterns and Transportation Connectivity in the Vehicle Routing Problem” Annual Conference of the Decision Sciences Institute. Baltimore, Maryland, November 2013, with Stanley E. Griffis.

“Natural Resource Scarcity and the Closed Loop Supply Chain” Michigan State University, Bowersox Graduate Supply Chain Challenge. Invited Faculty Lecture. October 2013.

“Game Changing Trends in Supply Chain” Council of Supply Chain Management Professionals (CSCMP) Annual Conference. Denver, Colorado. October 2013, with Theodore Stank.

“Supply Chain Management in a Changing World” UT College of Business Administration, Aerospace & Defense MBA Advisory Board, Knoxville TN, September 2013.

“Natural Resource Scarcity Risks: Implications for Latin America”. Invited Lecture. 2nd International Forum of Operations and Logistics, CSCMP/UPC, Lima Peru, June 2013.

“Supply Chain Management in a Transforming World” UT College of Business Administration Advisory Board, Knoxville Tennessee, April 2013, with Chad W. Autry.

“Closing the Loop: Responses to Natural Resource Scarcity in your Supply Chain,” UT Supply Chain Forum, Knoxville TN, November 2012, with Diane Mollenkopf.

“Natural Resource Scarcity and the Closed Loop Supply Chain,” Baker Center Forum on Energy and the Environment, University of Tennessee, October 2012, with Diane Mollenkopf.

“Supply Chain Design and Performance Under Conditions of Resource Scarcity,” Western Decision Sciences Institute Conference, Kona HI, April 2012, with Stanley E. Griffis.

“Supply Chain Management in a Transforming World,” UT Supply Chain Forum, Knoxville TN, November 2011, with Chad W. Autry.

“Network Design and Inventory Location under Uncertainty,” Invited Lecture. ExpoLogistica 16, Mexico City, Mexico, June 2011

“Triangle Inequality Violations in Vehicle Routing Problems with Backhauls,” Annual Conference of the Decision Sciences Institute, San Diego, CA 2010, with Stan Griffis.

“Comparing F-16 Maintenance Scheduling Philosophies” Institute for Operations Research and the Management Sciences (INFORMS), San Francisco, CA 2005.

“A Simulated Annealing Approach for the Composite Facility Location and Resource Allocation Problem,” The 50th Annual North American Meetings of the Regional Science Association International, Philadelphia, PA, 2003.

“Recognizing Patterns in Intervention to Improve Logistics Decision Making,” Institute for Operations Research and the Management Sciences (INFORMS), Atlanta, GA, 2003.

“Modern Search Heuristics and Today’s Logistics Environment,” American Production and Inventory Control Society (APICS) – Central Alabama Chapter, Montgomery, AL, 2003.

**DOCTORAL COMMITTEES**

Robert E. Burks, Jr., Ph.D., Associate Dean, Naval Postgraduate School; Committee Member, AFIT Operations Research Program, Graduated 2006.

David M. Gligor, Ph.D., Assistant Professor, University of Mississippi; Committee Member, UT Supply Chain Management Program, Graduated 2013.

Taekwan Yoon, Ph.D., Korean Research Institute for Human Settlements, Seoul Korea; Committee Member, UT Civil Engineering, Program, Graduated 2014.

T. Clay McMannus, Ph.D., Assistant Professor, Xavier University, UT Economics Program; Committee Member, Graduated May 2015.

William J. Rose, Ph.D., Assistant Professor, Iowa State University; Committee Member, UT Supply Chain Management, Graduated August 2015.

Lawrence LaPlue, Assistant Professor, New Mexico State University, UT Economics Program; Committee Member, Graduated May 2016.

Bharadwaj Venkatesan, Ph.D., Yamaha Motor Corporation, Committee Member, UT Industrial Engineering, Graduated May 2017.

Mostafa Ghafoorivarzaneh, Ph.D., Data Scientist, Adara Inc., Committee Member, UT Industrial Engineering, Graduated August 2017.

Vincent Castillo, Ph.D., Assistant Professor, Ohio State University, Co-Chair, UT Supply Chain Management Program, Graduated May 2018.

Vahid Ganji Lisar, Ph.D., University of Tennessee, Committee Member, UT Industrial Engineering, Expected Graduation May 2019.

Li Cheng, Ph.D., University of Tennessee, UT Supply Chain Management Program, Expected Graduation May 2019.

**TEACHING EXPERIENCE**

Have designed and taught a variety of Graduate, Undergraduate, and Executive courses at Auburn University, the Air Force Institute of Technology (AFIT), Georgia College and State University (GC&SU), and the University of Tennessee (UT) including (in order from most recent):

* Distribution, Logistics, & Network Management (SC 573), UT Graduate
* Supply Chain Analytics (SC 312), UT Undergraduate
* Supply Chain Management (BUAD 331), UT Undergraduate
* Supply Chain Modeling & Analysis (SC 411), UT Undergraduate
* Global Supply Chain Management (IB439), UT Study Abroad in Australia
* Global Supply Chain Strategy (SC 460), UT, Undergraduate
* Analytical Modeling in a Supply Chain Environment (SC623), UT, Doctoral
* Supply Chain Management, UT Aerospace & Defense Executive MBA
* Network Design and Risk, UT, Executive Education
* Logistics Analytical Methods (LOG 411), UT, Undergraduate
* Business Statistics & Research Methods, GC&SU, Graduate
* Lean Operations, GC&SU, Graduate
* Engineering Economics, GC&SU, Graduate
* Supply Chain Management; GC&SU, Graduate
* Operations Management, GC&SU, Graduate and Undergraduate
* Business Logistics, AFIT, Graduate
* Current & Emerging Topics in Logistics Management, AFIT, Graduate
* Inventory Management, AFIT, Graduate
* Strategic Logistics Management, AFIT, Graduate
* Operations Management, AFIT, Graduate
* Air Transportation Management, AFIT, Graduate
* Introduction to Business Logistics, AFIT, Graduate
* Service Operations Management, AFIT, Graduate
* Operations Management, Auburn, Undergraduate

**HONORS AND AWARDS**

* Haslam College of Business Summer Research Fellowships, 2016-2018
* Faculty Fellow, Center for Transportation Research, UT College of Engineering, 2015-16
* Outstanding Reviewer Award, *Transportation Journal*, 2014
* Outstanding Reviewer Award, *Journal of Business Logistics*, 2014
* Ozburn Award for Excellence in Service, Department of Marketing & SCM, UT, 2013
* Outstanding Reviewer Award, *Journal of Business Logistics*, 2012
* MOR Journal Award, Article of the Year, Military Operations Research Society, 2011
* Alpha Iota Delta Conference Best Paper Award, Western DSI Conference 2010
* Best Paper Award, Supply Chain Management Track, Western DSI 2006
* Professor of the Quarter, AFIT Department of Operational Sciences, Fall 2005
* Professor of the Quarter, AFIT Graduate School of Engineering & Management, Fall 2003
* Certified Professional Logistician (CPL); International Society of Logistics, 2000
* Outstanding Article of the Year, Company Grade Officer, AF Journal of Logistics, 1999
* Distinguished Graduate, Air Force Institute of Technology, 1998
* Louis Polk Award, National Defense Industrial Association, Research Award, AFIT, 1998
* Edwin Aldrin Leadership Award, AFIT, 1998
* Munitions Manager of Year, General Leo Marquez Award, US Air Forces Europe, 1993
* All-American Selection, National Collegiate Boxing Association, 1988

**PROFESSIONAL AND SERVICE ACTIVITIES**

Service at Academic Journals:

* Associate Editor, *Journal of Business Logistics*, 2015-Present
* Associate Editor, *Decision Sciences*, 2015-Present
* Associate Editor, *Transportation Journal*, 2016-Present
* Associate Editor, *International Journal of Logistics Management*, 2017-Present
* Editorial Review Board, *Journal of Supply Chain Management, 2017-Present*
* Editorial Advisory Board, *International Journal of Physical Distribution & Logistics Management,* 2015-Present
* Area Editor, *Operations Management Research*, 2010-2012
* Associate Editor, *Journal of Applied Mathematics and Decision Science*, 2006-2009
* Ad Hoc Reviewer – *Production & Operations Management*, 2015-Present.
* Ad Hoc Reviewer – *IEEE Transactions on Engineering Management*, 2015
* Ad Hoc Reviewer – *IEEE Systems Journal*, 2013
* Ad Hoc Reviewer – *other journals since 2004*

Other Service to the Academy and University:

* Dean’s Faculty Advisory Committee, Haslam College of Business, 2018-Present
* Department Strategy Committee, UT Dept. of Supply Chain Mgt, 2019-Present
* Advisor, CAT Fellows Program, University of Tennessee, 2017-Present
* Undergraduate Council, University of Tennessee, 2016-Present
* Undergraduate Appeals Committee, University of Tennessee, 2016-Present
* Research Strategies Committee, CSCMP, 2017-2019
* Past-President & Board Member, Western Decision Sciences Institute, 2017-2018
* President, Western Decision Sciences Institute, 2016-2017
* President-Elect, Western Decision Sciences Institute, 2015-2016
* Vice President Programs/Program Chair, Western Decision Science Institute, 2014-2015
* Proceedings Editor, Annual Meeting of the Western Decision Sciences Institute, 2015
* Vice President Programs-Elect, Western Decision Sciences Institute, 2013-2014
* Vice President Member Services, Western Decision Science Institute, 2012-2013
* Advisor, University of Tennessee CSCMP Student Chapter, 2011-2017
* Co-Advisor, University of Tennessee Undergraduate UNF Case Team, 2014-2015
* Advisor, University of Tennessee MBA MSU Case Competition Team, 2013-2014, 2018
* Invited Reviewer – National Science Foundation (NSF) proposal, 2013
* Invited Reviewer – RAND Corporation, US Army Arroyo Center Publication, 2012
* Member Services Committee, Decision Sciences Institute (DSI), 2012-2013
* Invited Session Chair, “Resource Scarcity,” DSI Conference, 2012
* Track Chair, “Military Applications”, Western DSI Conference, 2011-2012
* Session Chair for Operations & Logistics Track, Western DSI Conference, 2010
* Session Chair for MS/OR Track, DSI Conference, 2006
* Invited Session Chair on Logistics Applications, Western DSI Conference, 2006
* Logistics Academic Division Chief, AFIT Department of Operational Sciences, 2005-2006
* Program Director and Advisor, AFIT Masters of Logistics Mgt. Program, 2005-2006
* Academic Advisor, Sigma Iota Epsilon, Fraternity of Management, 2003-2006
* Doctoral Symposium – Council of Supply Chain Management Professionals, 2002
* Panel Member – SOLE Annual Doctoral Dissertation Award, 2008-2011

**PROFESSIONAL SOCIETIES & AFFILIATIONS**

Council of Supply Chain Management Professionals (CSCMP)

Decision Sciences Institute (DSI)

American Production & Inventory Control Society (APICS)