



Dr. John E. Bell

**John “Red” Dove Professor of Supply Chain,
McKinney Faculty Research Fellow &
Department Head,**

Department of Supply Chain Management,
Haslam College of Business,
University of Tennessee, Knoxville TN
(478) 235-2687, e-mail: bell@utk.edu

Research: Dr. Bell’s research interests lie within the areas of physical logistics networks, vehicle routing, location analysis and supply chain sustainability. His primary publication efforts have targeted the *Journal of Business Logistics*, *Journal of Operations Management*, *Transportation Journal*, *International Journal of Logistics Management*, and *International Journal of Physical Distribution & Logistics Management* as these outlets provide access to an international audience of supply chain and logistics scholars. He has also targeted top operations research outlets such as, *European Journal of Operational Research*, *Computers & Operations Research*, *Omega*, and *Advanced Engineering Informatics* where he has been able to publish a body of logistics modeling work. His research has been cited over 3000 times in the literature (H-index 24), including citations to his work in the fields of supply chain management, operations research, engineering, and mathematics.

Leadership: Dr. Bell is the Department Head in the Supply Chain Management Department at the University of Tennessee, and he previously directed the Supply Chain Ph.D. program at UT for three years. Dr. Bell is also currently the Faculty Director of the Aerospace & Defense MBA (ADMBA) program at the University of Tennessee. Since becoming ADMBA Director, he completed the first full curriculum review and program update since its launch 20 years ago. A former military officer, Dr. Bell is also a strong advocate of the college’s International Study Abroad Programs, leading courses in Panama, Greece, and Australia multiple times during the last ten years.

Professional Service: Dr. Bell is heavily involved in the academic research activities of the logistics/supply chain discipline. He serves as an Associate Editor for *Journal of Business Logistics*, *Decision Sciences*, *International Journal of Logistics Management*, *Transportation Journal* and on the editorial review board of *Journal of Supply Chain Management*. Dr. Bell has been an active member of the Decision Sciences Institute since 2001 and served on the Board of Directors of the Western Decision Sciences Institute (WDSI) for six years, including being the President of WDSI in 2017 and WDSI Conference Chair in 2015. He has also served an active role in the Council of Supply Chain Management Professionals (CSCMP) since 2002 and served on its Research Strategies Committee.

Teaching and Mentoring: Dr. Bell has extensive teaching experience in terms of audiences and course content. He has taught undergraduate, MBA, and M.S. Supply Chain courses, and the Logistics Ph.D. seminar. He has made a significant impact on the Supply Chain curriculum at the University of Tennessee, including developing 2 Ph.D. seminars, 2 M.S. Supply Chain courses, 4 Supply Chain Undergraduate courses, and developing the strategic Supply Chain content in the ADMBA program. Mentoring students has been a focus area in Dr. Bell’s career, including advising student organizations, and serving on 12 Ph.D. dissertations and many Master’s thesis committees.

Global Impact: Throughout his career, Dr. Bell has purposefully cultivated and developed an international focus in his teaching and supply chain research. He serves as an associate editor for prestigious journals with a global focus. He teaches study abroad programs, and he has been a guest speaker/lecturer at academic events throughout Europe and Latin America. His global presence positions him as a global ambassador for the University of Tennessee for many years to come.

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

2023-Present *John "Red" Dove Professor of Supply Chain Management, McKinney Faculty Research Fellow & Department Head, Supply Chain Management*

2021-2023 *Gerald T. Niedert Professor of Supply Chain Management, Bartley Faculty Research Fellow & Department Head, Supply Chain Management*

2019-2021 *Jerry and Suzanne Ratledge Endowed Associate Professor of Supply Chain Management & Bartley Faculty Research Scholar*

2015-2019 *Daniel & Karen Myers Supply Chain Fellow, Bartley Faculty Research Scholar & Associate Professor of Supply Chain Mgt.*

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 (AFIT), 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 and logistics strategy, sustainability, network design, vehicle routing, facility location, natural resource scarcity, raw materials management, transportation management, metaheuristic search methods, and combinatorial optimization.

PEER REVIEWED JOURNAL ARTICLES

41. Hoang, Trang T., John E. Bell and Thomas J. Goldsby (2024). "The Strategic Role of Traceability Supply Chain Management: Building and Leveraging Traceability for Decision Making," Forthcoming at *International Journal of Physical Distribution & Logistics Management*.
 40. Hilend, Rowen, John E. Bell, Griffis, Stanley E., and John R. McDonald (2023). "Illicit Activity and Scarce Natural Resources in the Supply Chain: A Literature Review, Framework and Research Agenda" *Journal of Business Logistics*,
 39. Hoang, Trang T., John E. Bell, Pham H. Hiep and Chad W. Autry (2023). "Sustainable Rural-to-Urban Food Supply Chains and Co-Creation of Value in Developing Nations," *International Journal of Logistics Management*,
 38. Goldsby, Thomas, Hoang, Thu Trang, Theodore Stank and John E. Bell (2023). "A Modernized Framework for Transportation Decision Making in a Hyper-Integrated Supply Chain Environment." *Transportation Journal*, Vol. 62 (1): 16-42.
 37. Rose, William J., John E. Bell, and Stanley E. Griffis (2022). "Inductive Research in Last-Mile Delivery Routing: Introducing the Re-Gifting Heuristic," *Journal of Business Logistics*, Vol. 44 (1): 109-140.
 36. Ralston, Peter M., Schwieterman, Matthew A., Bell, John. E. and Lisa Ellram (2022). "Factor Market Rivalry: Describing a General Theory of Supply Chain Management," *Journal of Business Logistics*, Vol. 44 (1): 141-159.
 35. Castillo, Vincent E., Diane A. Mollenkopf, John E. Bell & Terry Esper (2022). "Designing Technology for On-Demand Delivery: The Effect of Customer Tipping on Crowdsourced Driver Behavior and Last Mile Performance," *Journal of Operations Management*, Vol. 65 (5): 424-453.
 34. Castillo, Vincent E., John E. Bell, Diane A. Mollenkopf, Theodore P. Stank (2022). "Hybrid Last Mile Delivery Fleets with Crowdsourcing: A Systems View of Managing the Cost Service Tradeoff," *Journal of Business Logistics*, Vol. 43 (1), 36-61.
 33. Douglas, Matthew, Diane A. Mollenkopf, Vincent E. Castillo and John E. Bell (2021). "Journey's Not Destinations: Theorizing a Process View of Supply Chain Integrity," *Journal of Business Ethics*, Vol. 181 (1): 195-220.
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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. ***Finalist for LaLonde Award – JBL Article of Year.**
 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 the 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.
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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.
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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. Current Google Scholar (1000+ 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.**

MANUSCRIPTS UNDER REVIEW

- Hoang, Trang T., Thomas J. Goldsby, Duc Vu, and John E. Bell. "Finding Value in Reverse Logistics and Traceability in High-Impact Disruption Contexts: The Case of COVID-19" Supply Chain Management: Building and Leveraging Traceability for Decision Making," Under 1st Review at *Transportation Research Part E*.
- Saunders, Lance, Vincent Castillo, William J. Rose, John E. Bell and Anne Dohmen. "What Drives Drivers? Understanding and Managing Crowdsourced Delivery Capacity," Under 1st Review at *Journal of Business Logistics*

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

Ralston, Peter M., Schwieterman, Matthew A., and John E. Bell, (2021), "Factor Market Rivalry." Invited book chapter in *A Handbook of Theories for Purchasing and Supply Chain Management Research*. Eds. Bals, Lydia, Tate, Wendy L., and Lisa M. Ellram. Peer-reviewed book chapter.

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.

PUBLISHED CONFERENCE PROCEEDINGS

Bell, John E. and Chinedu Ufodike. "Fleet Mix for Urban Delivery: Integrating and Optimizing Crowdsourced And Traditional Vehicle Resources." European Operations Management Association (EUROMA), Berlin Germany, July 2021

Bell, John E. and Trang Hoang. "Sustainable Food Supply Chains and Co-Creation of Value at the Bottom of the Pyramid," 4th International Conference on Global Food Security, Montpellier France, December 2020. **180 out of 1200 submissions accepted.**

Rose, William J., 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.

Rose, William J., John E. Bell, and Stanley E. Griffis. "Algorithms for Vehicle Routing Problems Under Urban Traffic and Uncertainty Conditions," Proceedings of Council of Supply Chain Management Professionals (CSCMP) Educator's Conference, 2016.

Mollenkopf, Diane A., Vincent Castillo, and John E. Bell. "Supply Chain Integrity," Proceedings of the Council of Supply Chain Management Professionals (CSCMP) Educator's Conference, 2015.

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- Rose, William J., John E. Bell and Mary C. Holcomb. "A Simplified Teaching Approach for Inventory Order Sizing: Adjusting for High Order Costs and Lead Times," Proceeding 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.
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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.

NON-REFEREED 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 Prof., 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 Inc.
- 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 Tech, 14 Sept.
- 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

- "Variable Urban Features and Last-Mile Vehicle Routing." Decision Sciences Institute Annual Meeting. Atlanta, Georgia, November, 2023.
- "Building a Sustainable Urban-Rural Food Supply Chain in a Developing Nation." European Operations Management Association Annual Meeting. Berlin Germany, June, 2022.
- "Rethinking the Global Supply Chain," Invited Keynote Presentation. Ulbrich Stainless Steel Annual Meeting. St Petersburg Florida, May 2022.
- "Natural Resource Scarcity and the Supply Chain," Invited MBA Lecture, Michigan State University, February 2022.
- "Leadership Strategies to Survive and Excel in a Post-Covid World." Moderator. North American Supply Chain Executive Summit. Chicago, Illinois, September, 2021.
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- “The Peer Review Process-How to Respond Effectively,” Invited Professional Development Workshop Session, Decision Sciences Institute (DSI) Annual Meeting Online, November 2020.
- “Practical Vehicle Routing Research, Introducing the Regifiting Algorithm.” Invited Online Presentation to PhD Students at The Ohio State University and University of Maryland, October 2020.
- “Natural Resource Scarcity and the Supply Chain,” Invited MBA Lecture, Michigan State University, February 2020.
- “Building Capabilities to Counter Resource Scarcity Supply Risks,” Invited Presentation. Decision Sciences Institute (DSI) Annual Meeting, New Orleans, LA, Nov 2019.
- “The Reactive to Proactive Spectrum of Traceability in Strategic Decision Making,” Decision Sciences Institute (DSI) Annual Meeting, New Orleans LA, Nov 2019, with Trang T. Hoang.
- “Sustainable Supply Chain Management for Raw Materials,” Special Session Moderator and Panelist, European Operations Management Association (EUROMA), June 2019, Helsinki, Finland.
- “Understanding Product Traceability in the Supply Chain,” Western Decision Sciences Institute (WDSI) Conference, Los Angeles, California, March 2019, with Trang T. Hoang.
- “Empirical Evidence for Countering Natural Resource Scarcity in the Supply Chain,” Western Decision Sciences Institute (WDSI) Conference, Lihue, Hawaii, April 2018.
- “Innovation Partnerships with Universities,” 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) Annual Meeting, Atlanta, GA, September 2017, with Vincent Castillo and Diane Mollenkopf.
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- “An Agile Systems Perspective of Omnichannel Fulfillment Using Crowdsourced Logistics,” Western Decision Sciences Institute (WDSI) Annual Meeting, Vancouver, BC, Canada, April 2017, 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) Annual Meeting, Austin, TX, November 2016, with Vincent Castillo and William Rose.
- “Innovative Distribution with Crowdsourced Logistics,” Product Development and Management Association (PDMA) Annual Meeting, Atlanta, GA, October 2016, 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,” WDSI 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 Conference 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.
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- “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 TN College of Engineering, Knoxville TN, 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, 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 Environment, Univ. of Tennessee, October 2012, with Diane Mollenkopf.
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- “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 Professor, Naval Postgraduate School; Committee Member, AFIT Operations Research Program, Graduated 2006.

David M. Gligor, Ph.D., Associate 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, Ph.D., 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, The Ohio State University, Co-Chair, UT Supply Chain Management Program, Graduated May 2018.

Li Cheng, Ph.D., Assistant Professor, Michigan State University, Committee Member, UT Supply Chain Management Program, Graduated May 2019.

Yu Chu, Ph.D., Assistant Professor, University of Northern Iowa, Committee Member, UT Supply Chain Management Program, Graduation, August 2021.

Thu Trang Hoang, Ph.D., Assistant Professor, University of Texas - Arlington, Co-Chair, UT Supply Chain Management Program, Graduation, May 2022.

MS THESIS COMMITTEES ADVISED

Eberlan, Jon A. "Location of Continental US Strip Alert Sites Supporting Homeland Defense," Air Force Institute of Technology, MS Operational Sciences, March 2004.

Michael, C. Dawson. "Minimizing Security Forces Response Times Through the Use of Facility Location Methodologies," Air Force Institute of Technology, MS Operational Sciences, March 2005.

William C. Ford. "Comparing Management Approaches for Automatic Test Systems: A Strategic Missile Case Study," Air Force Institute of Technology, MS Operational Sciences, March 2005.

Neil E. Christensen. "Hazardous Material Cargo Frustration at Military Aerial Ports of Embarkation," Air Force Institute of Technology, MS Operational Sciences, March 2006

Overholts, Dale L. "Improving Intercontinental Ballistic Missile Maintenance Scheduling Through the Use of Location Analysis Methodologies," Air Force Institute of Technology, MS Operational Sciences, March 2006

William D. Cone. "Improving Maintenance Data Collection via Point-of-Maintenance (POMX) Implementation," Air Force Institute of Technology, MS Operational Sciences, March 2006

Dawn L. Banks, "Relationship between Organizational Commitment, Core Job Characteristics, and Organizational Citizenship Behaviors in USAF Organizations," Air Force Institute of Technology, MS Operational Sciences, June 2006

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), in order from most recent:

- Supply Chain Management, (SC 505), UT Fulltime MBA Program
 - Supply Chain Planning (SC 422), UT Study Abroad - Greece
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- Supply Chain Analytics (SC 309), UT Undergraduate Online
 - Supply Chain Operations Management (SC 563), MS Online
 - Supply Chain Operations (SC 413), UT Undergraduate Online
 - Seminar in Logistics Thought (SC 620), UT, Doctoral
 - Supply Chain Operations (SC 413), UT Study Abroad- Panama
 - 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
 - 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

- Plowman Award for Conference Best Paper, CSCMP Annual Conference, 2022
 - Ozburn Award for Excellence in Teaching, Department of SCM, UT, 2019
 - Finalist, LaLonde Best Paper Award, *Journal of Business Logistics*, Sept 2019
 - Haslam College of Business Faculty Summer Research Fellowships, 2016-2021
 - 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
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- Louis Polk Award, National Defense Industrial Association, Research Award, AFIT, 1998
- Edwin Aldrin Leadership Award, Air Force Institute of Technology, 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:

- Senior Associate Editor, *Journal of Business Logistics*, 2020-Present
- Associate Editor, *Transportation Journal*, 2016-Present
- Editorial Review Board, *Journal of Supply Chain Management*, 2017-Present
- Editorial Advisory Board, *International Journal of Physical Distribution & Logistics Management*, 2015-Present
- Associate Editor, *International Journal of Logistics Management*, 2017-2023
- Associate Editor, *Decision Sciences*, 2015-2023
- Associate Editor, *Journal of Business Logistics*, 2015-2020
- Special Issue Guest Co-Editor, *Transportation Journal*, Winter 2019/2020
- 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 – *Journal of Operations Management*, 2019-Present
- Ad Hoc Reviewer – *Journal of the Operational Research Society*, 2019-Present
- Ad Hoc Reviewer – *IEEE Transactions on Engineering Management*, 2015
- Ad Hoc Reviewer – *IEEE Systems Journal*, 2013
- Ad Hoc Reviewer – variety of other journals since 2004

Other Service to the Academy and University:

- Director, University of Tennessee, Aerospace & Defense MBA Program, 2020-Present
 - Undergraduate Council, University of Tennessee, 2016-2023
 - Undergraduate Appeals Committee, University of Tennessee, 2016-2023
 - PhD. Graduate Program Director-UT Supply Chain Mgt. Doctoral Program, 2019-2021
 - Department Strategy Committee, UT Dept. of Supply Chain Mgt, 2019-2021
 - Invited Session Chair, “Conducting Meaningful Reviews” DSI Career Consortia, Nov 2020
 - LaLonde Best Paper Selection Committee, *Journal of Business Logistics*, July 2020
 - Supply Chain Management Co-Track Chair, DSI National Conference, November 2019
 - Invited Panelist, Analytical Methods, Logistics Doctoral Symposium, OSU, April 2019
 - Dean’s Faculty Advisory Committee, Haslam College of Business, 2018-2019
 - Co-Track Chair, Supply Chain and Operations Mgt., WDSI Conference, 2019-2020
 - Research Strategies Committee, CSCMP, 2017-2019
 - Advisor, CAT Fellows Program, University of Tennessee, 2017-2018
 - 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
 - Invited Session Chair, Logistics Track, DSI National Conference, November 2017
 - Invited Panelist, Analytical Research Methods, Logistics Doctoral Symposium, Mar 2017
 - Advisor, University of Tennessee CSCMP Student Chapter, 2011-2017
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- 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
 - 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
 - Selection Panel Member – SOLE Annual Doctoral Dissertation Award, 2008-2011
 - 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, Student Fraternity of Management, 2003-2006
 - Doctoral Symposium – Council of Supply Chain Management Professionals, 2002

PROFESSIONAL SOCIETIES & AFFILIATIONS

Council of Supply Chain Management Professionals (CSCMP)
Decision Sciences Institute (DSI)
