

WILLIAM J. ROSE

Academic Vita

Office:

Iowa State University
Debbie and Jerry Ivy College of Business
Department of Supply Chain and Information Systems
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ACADEMIC EMPLOYMENT

Iowa State University, Ames, Iowa, August 2018 to Present

Assistant Professor of Supply Chain Management

University College Dublin, Dublin, Ireland – November 2015 to August 2018

Lecturer/Assistant Professor of Supply Chain Management

EDUCATION

Ph.D., Supply Chain Management, University of Tennessee, 2015.

Dissertation: A contingent systems view of urban logistics

Chair: Chad W. Autry, William J. Taylor Professor of Supply Chain Management,
University of Tennessee

M.B.A, Logistics and Supply Chain Management, University of North Texas, 2011.

M.S., Higher Education, University of North Texas, 2007.

B.A., English Literature, University of North Texas, 2005

RESEARCH INTERESTS

Urbanization and urban logistics, vehicle routing, discrete event and agent-based simulation modeling, metaheuristics and combinatorial optimization.

TEACHING INTERESTS

Logistics Management, Supply Chain Management, Analytical Methods, Global Supply Chain Strategy.

PUBLICATIONS

Peer Reviewed Journal Articles

Azad, Mojdeh, William J. Rose, John MacArthur, and Christopher R. Cherry (Forthcoming). “E-trikes for urban delivery: An empirical mixed-fleet simulation approach to assess city logistics sustainability.” *Sustainable Cities and Society*, 96, 104641.

Rose, William J., John E. Bell, and Stanley E. Griffis (2023). “Inductive research in last-mile delivery routing: Introducing the Re-Gifting heuristic.” *Journal of Business Logistics*, 44, 109-140.

Brazhkin, Vitaly and William J. Rose (2023). “A Comparison of Three Popular Routing Policies for Lift Truck Order Picking.” *Transportation Journal*, 62(1), 79-99.

Rose, William J., Peter M. Ralston, and Chad W. Autry. (2020). “Urbanness and its Implications for Logistics Strategy: A Revised Perspective.” *Transportation Journal*, 59(2), 165-199.

Rose, William J., Diane A. Mollenkopf, Chad W. Autry, and Brent D. Williams. (2020). “Tailoring Transportation Planning Decisions to Diverse Urban Environments,” *Decision Sciences Journal*. 51(4), 357-394.

Castillo, V. E., John E. Bell, William J. Rose, and Alexandre M. Rodrigues. (2018). “Crowdsourcing Last Mile Delivery: Strategic Implications and Future Research Directions.” *Journal of Business Logistics*, 39(1), 7-25. **Finalist, 2019 Bernard J. LaLonde Best Paper Award and #3 Most Downloaded Article of 2018.**

Rose, William J., Chad W. Autry, John E. Bell, and Christopher R. Cherry (2017). “Urban Logistics: Establishing Key Concepts and Building a Conceptual Framework for Future Research.” *Transportation Journal*, 56(4), 357-394.

Rose, William J., Diane A. Mollenkopf, Chad W. Autry, and John E. Bell. (2016). “Exploring urban institutional pressures on logistics service providers.” *International Journal of Physical Distribution and Logistics Management*, 46(2).

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*, 35(3), 275-276.

Book Chapters

Autry, Chad W., Stephanie A. Eckerd, and William J. Rose. (2016). “External Barriers to Supply Chain Integration,” in Autry, CW and Moon, MA (Eds.), *Supply Chain Integration: A Final Frontier of Competitive Advantage*. Pearson: Hoboken, NJ, USA.

Non-Peer/Editorially Reviewed Publications

Rose, William J. (2013). “The World is Urbanizing. Is Your Logistical System Ready?” In *WERCwatch, A Periodic Assessment of Industry Trends for Warehouse Management*. 2013.

Cherry, Christopher R., Mojdeh Azad, William J. Rose, John MacArthur (2020). “Alternative Vehicles for Last Mile Freight.” Report to Tennessee Department of Transportation.

Manuscripts Under Review

Saunders, Lance W., Castillo, Vincent E., Rose, William J., Dohman, Anne E., and John E. Bell. “Understanding Platform Preferences of Sharing Economy Workers to Reduce Operational Uncertainty.” Under Review at *Journal of Business Logistics*.

Rose, William J., Ilenia Confente, Ivan Russo, and Simone Peinkofer. “Signaling Sustainability in Last-Mile Distribution: The Impact of Sustainability Disclosures on Consumer Selection of Parcel Lockers.” Under Review at *International Journal of Physical Distribution & Logistics Management*.

Working Papers

Ralston, Peter M., William J. Rose, and Trang (Jenny) Huang. “Structural Dynamism for Last-Mile Delivery.” Intended for *Production and Operations Management*

Research In Progress

Rose, William J., Chad W. Autry, John E. Bell, and Christopher R. Cherry. “Urban Environmental Characteristics and Vehicle Routing Decisions: A GIS-Supported Simulation,” Intended for *Production and Operations Management Journal*.

Michael Dwyer, Robert E. Overstreet, and William J. Rose. “Monitoring and Control in Crowdsourced Logistics.” Intended for *Journal of Business Logistics*

Presentations, Conference & Invited

Rose, William J. “Urban Logistics: Incorporating citizens into logistics strategy and operations”, Iowa Freight Advisory Council (Iowa Department of Transportation) Annual Meeting, 2024.

Rose, William J., John E. Bell, and Stanley E. Griffis. “Urban Infrastructure and Vehicle Routing: Connecting urban characteristics with vehicle routing decisions.” Proceedings of the Annual Decision Sciences Institute Conference, 2023.

Michael Dwyer, Robert E. Overstreet, William J. Rose. “Assessing Crowdsourced Delivery Drivers’ Intent to Continue Working with Your App.” Production and Operations Management Society Annual Conference, 2023.

Benjamin Griffis, William J. Rose, and Kevin P. Scheibe. “Urban Logistics: Drivers and Factors of Strategy Change.” Proceedings of the 50th Annual Decision Sciences Institute Conference, 2019.

Lance W. Saunders, William J. Rose, John E. Bell, and Vincent E. Castillo. "Modeling Internal Knowledge of Complex Urban Logistics Systems." Proceedings of the 50th Annual Decision Sciences Institute Conference, 2019.

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.

Invited Speaker and Panelist, "Innovations in Urban Logistics: Impacts on Supply Chain and Society," End to End Supply Chain Conference, Dublin, Ireland, June 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.

Vincent E. Castillo, John E. Bell, and William J. Rose. "Crowd Sourced Logistics Strategies." Western Decision Sciences Institute Conference, Las Vegas, Nevada, April 2016.

William J. Rose and Chad W. Autry. "The Impact of Social Norm Violations on Urban Logistics and Urban System Outcomes." Logistics Research Network (LRN) Annual Conference, 2016.

Vincent E. Castillo, William J. Rose, and John E. Bell. "Modeling Crowd-Sourced Logistics" Annual Conference of the Decision Sciences Institute, November 2015.

Invited Panelist, "Transportation Trends Panel" Annual Conferences of the Decision Sciences Institute, Seattle Washington, November 2015.

Invited Presentation, "Urban Logistics: Supply Chain Excellence in Highly Congested Urban Areas." Warehousing Education and Research Council Annual Conference, Tampa Florida, May 2015.

Invited Presentation with Chad W. Autry. "Urban Logistics: Supply Chain Excellence in Serving Highly Congested Urban Areas." Presented at the University of Tennessee Supply Chain Forums, Knoxville Tennessee, April 2015.

William J. Rose, Chad W. Autry, and John E. Bell. "Tailoring urban logistics to location-specific characteristics: An agent-based simulation approach" Proceedings of Decision Sciences Annual Conference, 2014.

Invited Presentation with John E. Bell. "Real World Practical Influences on Vehicle Routing and Urban Delivery." Southeastern Transportation Seminar Series, Knoxville Tennessee, September 2014.

William J. Rose. "Warehousing and Distribution in an Urbanizing World." Warehousing Education and Research Council Annual Conference, Dallas Texas, May 2013.

William J. Rose, John E. Bell, and Mary 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.

William J. Rose, Divesh Ojha., and Pamela Rogers. “Optimizing Risk Prioritization in Supply Chains.” Proceedings of the Decision Sciences Institute Annual Conference, 2011.

Sponsored Research

\$20,000 (2015) – UT Principal Investigator; JB Hunt Final Mile Services

\$5,000 (2012) – UT Principal Investigator; Warehousing Education and Research Council

\$4,250 (2021) – ISU Principal Investigator; Research Bootstrap Grant

TEACHING EXPERIENCE

Have designed and taught a variety of graduate and undergraduate courses at Iowa State University (ISU), University College Dublin (UCD), and the University of Tennessee (UT) including (in order from most recent):

- Principles of Transportation (SCM 461), ISU Undergraduate
- Introduction to Supply Chain Management (SCM 301), ISU Undergraduate
- Global Operations and Supply Chain Management (BMGT 20150), UCD Undergraduate
- Business Logistics (BMGT 44780), UCD Graduate
- Supply Chain Consulting (BMGT 43810), UCD Graduate
- Supply Chain Modeling and Analysis (SCM 411), UT Undergraduate
- Global Strategies for Supply Chain Management (SCM 460), UT Undergraduate
- Intermediate Logistics (LOG 310), UT Undergraduate

SERVICE ACTIVITIES

Service at Academic Journals

- Associate Editor, *International Journal of Logistics Management*, 2023-Present
- Editorial Review Board, *Journal of Business Logistics*, 2022-Present
- Ad hoc reviewer: *Journal of Operations Management*
- Ad hoc reviewer: *Journal of Supply Chain Management*
- Ad hoc reviewer: *Journal of Business Logistics*
 - Outstanding Reviewer Award (2018, 2019)
- Ad hoc reviewer: *Transportation Journal*
- Ad hoc reviewer: *International Journal of Physical Distribution & Logistics Management*
 - Emerald Literati Award for Outstanding Reviewer (2023)
- Ad hoc reviewer: *Journal of Transport Geography*
- Ad hoc reviewer: *Transportation Research Part D: Transport and Environment*
- Ad hoc reviewer: *Operations Research: An International Journal*
- Ad hoc reviewer: *Transactions in Cloud Computing*
- Ad hoc reviewer: Grant Proposal for National Science Center of Poland

Service to the Academy and University

- Ivy College Computer Advisory Committee, Chair, 2023-Present
- Iowa State Supply Chain Management Club Advisor, 2023-Present
- SCM Department Distinguished Speaker Committee, 2023-Present
- Ivy College Computer Advisory Committee, Member, 2021-Present
- CSCMP Academic Research Symposium, Track Chair, September 2022
- 17th Annual Logistics Doctoral Symposium Planning Committee, Member, 2021-2022
- Decision Sciences Institute Annual Meeting, Session Chair, November 2021
- SCM Department Faculty Search Committee, 2021
- Decision Sciences Institute Annual Meeting, Track Chair, November 2020
- CSCMP Academic Research Symposium, Track Chair, September 2020
- Ivy College Computer Advisory Committee, Chair, 2020-2021
- Iowa State University Committee on the Advancement of Student Technology for Learning Enhancement (CASTLE), 2020-2021
- Ivy College International Programs Committee, 2019-2020
- Ivy College Scholarship Committee, 2018-2019

Question revision for CSCMP SCPro Certification Test

Inventory Management. Completed December, 2016.

Order Fulfillment and Customer Service. Completed January, 2017.

Podcast development for the Institute of Supply Chain Management

Combined discussion of Ellram, Tate, and Peterson (2013) and McIvor (2013). Completed March, 2014.

Oflac et al (2012). Completed March 2014.

Wu, Ellram, and Schuchard (2014). Completed May 2014.

BUSINESS EXPERIENCE

2007-2011 University of North Texas. Denton, TX
Housing and Residence Life
Residence Hall Director