
JOHN R. MACDONALD



Associate Professor
Supply Chain Management and Logistics

Colorado State University
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Fulbright Scholar (Dec. 2022 – Jun. 2023)
Universitas Pelita Harapan, Tangerang, Indonesia



EDUCATION

University of Maryland, College Park, Maryland (Aug. 2004 – Dec. 2008)
Ph.D., Logistics and Transportation
Minor: Operations Management with Strategy component

Iowa State University, Ames, Iowa
B.S., Transportation and Logistics
B.S., Management of Information Systems
German Minor
Graduated with *Distinction* and *Honors Curriculum*

RESEARCH STREAMS AND INTERESTS

- Supply Chain **Resilience**, Risk, and Disruption Management (*Resilience stream*)
- **Behavioral** Supply Chain Management and Decision Making in the Supply Chain (*Behavior stream*)
- Supply Chain Sustainability, Relationships, Strategy, 3PL's, Motor Carriers (*minor streams of interest*)

REFEREED FEDERAL AND COLLEGE RESEARCH GRANTS AWARDED

School of Global Environmental Sustainability (2020). Co-PI. Project Title: “Re-use Efficiency Packaging with Analytics for Customized Knowledge (REPACK)” (*Behavior and Sustainability Streams*)

- Award amount: \$30,000
- Project period: Sep. 1, 2020 to Aug. 31, 2022
- Disciplines represented on team (*listed alphabetically*): Communications Studies, Supply Chain Management, Systems Engineering

National Science Foundation (2019). Co-PI. Project Title: “ISN2: Detecting and Interdicting Illicit Wildlife Trafficking Supply Chains” (*Resilience and Sustainability stream*)

- Award amount: \$809,666
- Project period: Sep. 1, 2019 to Oct. 31, 2023
- Universities represented on team (*listed alphabetically*): Colorado State University, Harvard, Michigan State University, University of Alabama, University of Southern California

REFEREED JOURNAL PUBLICATIONS

Macdonald, J.R., Conroy, S., Eckerd, S. and Becker, W.J. (2023). Where are the Workers? Leadership-Follower Fit and Behavioral Work Withdrawal in the Logistics Supply Chain. *Journal of Business Logistics*. 44(3), 387-406 <http://dx.doi.org/10.1111/jbl.12344> (*Behavior stream*).

Gore, M., Hilend, R., Prell, J.O., Griffin, E., Macdonald, J.R., Keskin, B., Ferber, A., Dilkina, B. (2023). A data directory to facilitate investigations on worldwide wildlife trafficking. *Big Earth Data*. <https://doi.org/10.1080/20964471.2023.2193281> (*Resilience and Sustainability stream*).

Gore, M., Griffin, E., Dilkina, B., Ferber, A., Griffis, S.E., Keskin, B., Macdonald, J. (2023). Advancing Interdisciplinary Science for Disrupting Wildlife Trafficking Networks. *Proceedings of the National Academy of Sciences*. <https://doi.org/10.1073/pnas.2208268120> (*Resilience and Sustainability stream*).

Hilend, R., Bell, J., Griffis, S., and Macdonald, J.R. (2023). Illicit Activity and Scarce Natural Resources in the Supply Chain: A Literature Review, Framework, and Research Agenda. *Journal of Business Logistics*, 44(2), 198-227. <https://doi.org/10.1111/jbl.12331> (*Resilience and Sustainability stream*).



Keskin, B., Griffith, E, O'Prell, J. Dilkina, B., Ferber, A., Macdonald, J.R., Hilend, R., Griffis, S.E., and Gore, M. (2023). Quantitative Investigation of Wildlife Trafficking Supply Chains: A Review. *Omega*. 115 <https://doi.org/10.1016/j.omega.2022.102780> (*Resilience and Sustainability stream*).



Bode, C., Macdonald, J.R., and Merath, M. (2022). Supply Disruptions and Protection Motivation: Why Some Managers Act Proactively (and Others Don't). *Journal of Business Logistics*. 43(1), 92-115. <https://doi.org/10.1111/jbl.12293> (*Resilience stream*).

Macdonald, J.R., Porterfield, T.E., and Griffis, S.E. (2021). Word-of-mouth after supply chain disruptions: How justice perceptions affect difficult decisions. *Transportation Journal*, 60(4), 367-405. <https://doi.org/10.5325/transportationj.60.4.0367>. (*Resilience stream*)

School of Global Environmental Sustainability Grant (2020). Co-PI. Project Title: "Re-use Efficiency Packaging with Analytics for Customized Knowledge (REPACK)"

National Science Foundation Grant (2019). Co-PI. Project Title: "ISN2: Detecting and Interdicting Illicit Wildlife Trafficking Supply Chains"

Macdonald, J. R., Zobel, C. W., Melnyk, S. A., & Griffis, S. E. (2018). Supply chain risk and resilience: Theory building through structured experiments and simulation. *International Journal of Production Research*, 56(12), 4337-4355. <https://doi.org/10.1080/00207543.2017.1421787>. (*Resilience stream*)

Bode, C., & Macdonald, J. R. (2017). Stages of supply chain disruption response: Direct, constraining, and mediating factors for impact mitigation. *Decision Sciences*, 48(5), 836-874. <https://doi.org/10.1111/deci.12245>. (*Resilience stream*)

Melnyk, S. A., Zobel, C. W., Macdonald, J. R., & Griffis, S. E. (2014). Making sense of transient responses in simulation studies. *International Journal of Production Research*, 52(3), 617-632. <https://doi.org/10.1080/00207543.2013.803626>. (*Resilience stream*)

Macdonald, J. R., Frommer, I. D., & Karaesmen, I. Z. (2013). Decision making in the beer game and supply chain performance. *Operations Management Research*, 6(3-4), 119-126. <https://doi.org/10.1007/s12063-013-0083-4> (*Behavior stream*)

Macdonald, J. R., & Corsi, T. M. (2013). Supply chain disruption management: severe events, recovery, and performance. *Journal of Business Logistics*, 34(4), 270-288. <https://doi.org/10.1111/jbl.12026> (*Resilience stream*)

Porterfield, T. E., Macdonald, J. R., & Griffis, S. E. (2012). An exploration of the relational effects of supply chain disruptions. *Transportation Journal*, 51(4), 399-427. <https://doi.org/10.5325/transportationj.51.4.0399> (*Resilience stream*)

Cantor, D. E., Macdonald, J. R., & Crum, M. R. (2011). The influence of workplace justice perceptions on commercial driver turnover intentions. *Journal of Business Logistics*, 32(3), 274-286. <https://doi.org/10.1111/j.2158-1592.2011.01022.x> (*Behavior stream*)

Cantor, D. E., & Macdonald, J. R. (2009). Decision-making in the supply chain: examining problem solving approaches and information availability. *Journal of Operations Management*, 27(3), 220-232. <https://doi.org/10.1016/j.jom.2008.09.002> (*Behavior stream*)

Corsi, T. M., Boyson, S., Verbraeck, A., Van Houten, S. P., Han, C., & Macdonald, J. R. (2006). The real-time global supply chain game: New educational tool for developing supply chain management professionals. *Transportation Journal*, 61-73. <http://www.jstor.org/stable/20713644> (*Behavior stream*)

RESEARCH PAPERS/GRANTS UNDER REVIEW

Paper #1: Guntuka, L., Paraskevas, J-P, and Macdonald, J.R. *Journal of Operations Management*. Topic: Supply Chain Resilience (*Resilience stream*).

Paper #2: Hilend, R. Peinkofer, S., Griffis, S., Bennett, A., and Macdonald, J.R. *Journal of Supply Chain Management*. Topic: Supply Chain Sustainability (*Resilience and Sustainability stream*).

Paper #3: Schultken, R., Bode, C., and Macdonald, J.R. Under review at *Journal of Management*. Topic: Supply Chain Sustainability (*Resilience and Sustainability stream*).

PAPERS/GRANTS INVITED FOR RESUBMISSION

Paper #1: Burkhart, D., Macdonald, J.R., and Bode, C. Invited for Minor Revisions (4th Round) at *Journal of Business Logistics*. Topic: Relationship Stress (*Behavior stream*)

Paper #2: Rogers, Z., Jeong, S., and Macdonald, J.R. Preparation for resubmission to *Journal of Operations Management*. Topic: Supply Chain Disruptions and Cybersecurity (*Resilience stream*).

WORKING PAPERS AND RESEARCH IN PROGRESS

Paper #1: Zhang, J., Golicic, S., Macdonald, J.R., Rogers, Z. Preparation for submission at *Journal of Business Logistics*. Topic: Behavioral Supply Chain (*Behavior stream*).

Paper #2: Macdonald, J.R., Munyon, T., Lerman, M. and Eckerd, S.E. Preparation for submission at: *Journal of Supply Chain Management*. Topic: Behavioral Supply Chain (*Behavior stream*).

Paper #3: Hilend, R. Peinkofer, S., Griffis, S., and Macdonald, J.R. Preparation for submission at: *Journal of Business Logistics*. Topic: Supply Chain Sustainability (*Resilience and Sustainability stream*).

FUNDED COLLEGE AND CORPORATE RESEARCH GRANTS

Tinberg Teaching Grant - \$10,000 competitive award to fund innovative teaching partnership with UNICEF (2024-2025)

School of Global Environmental Sustainability - \$5,000 competitive award to fund development of supply chain sustainability curriculum (2021-2022)

Colorado State College of Business - \$5,000 competitive award to fund research in behavioral supply chain (2021)

Department of Management - \$4,000 award to fund research in behavioral supply chain (2021)

Colorado State College of Business - \$5,000 competitive award to fund research in behavioral supply chain (2019)

Kane is Able Logistics - \$10,000 to fund research in behavioral supply chain (2015-17)

Broad College of Business Summer Research Grant - \$10,000 to fund research in supply chain resilience (2014)

Broad College of Business Summer Research Grant - \$8378 to fund research in behavioral operations (2013)

Air Force Institute of Technology - \$8000 funded to support research in supply chain resilience (2012)

Broad College of Business Summer Research Grant - \$9500 to fund research in supply chain resilience (2012)

Center for Packaging Innovation and Sustainability - \$57,656 (Macdonald portion: \$3738) to fund research in sustainability of returnable packaging systems (2011-12)

UTi Worldwide Group - \$2750 funded to support research in supply chain resilience (2010)

PRACTITIONER-DIRECTED PUBLICATIONS

Melnyk, S.E., Closs, D.J., Griffis, S.E., Zobel, C.W., and Macdonald, J.R. "Understanding Supply Chain Resilience." *Supply Chain Management Review*, January/February 2014, p. 34

Precord, R., and Macdonald, J.R. "Rocket-Blast, LLC: The Trade-offs of Logistics Cost and Performance Options." Published as CSCMP Mini-Case. (2011)

Boyson, S., Han, C, and Macdonald, J.R. (2010). Supply Chain Network Design for Volatility. In Harrington, L., Boyson, S., and Corsi, T. (eds) *X-SCM: The New Science of X-treme Supply Chain Management*.

Melnyk, S.E., Cooper, M.B., Griffis, S.E., Macdonald, J.R., and Phillips, C. "Supplier Base Management: A New Competitive Edge." *Supply Chain Management Review*, July/August 2010, p. 35

Macdonald, J. R. and Sakai, K. "DSM Manufacturing: When Network Analysis Meets Business Reality." Published as CSCMP Case Study. (2008)

AWARDS AND HONORS

2025 Best Teacher Award Nominee, Colorado State University

2025 Outstanding Service Award, Department of Management

2024 Career Impact Award Nominee, Colorado State University Career Center

- 2023 Best Teacher Award Nominee, Colorado State University
- 2023 Sustainability Milestone and Recognition Nominee, Colorado State University
- 2022 Faculty Excellence Award Nominee, Colorado State University
- 2022 Outstanding Faculty Excellence – Tenure Track Award, Department of Management
- 2022 Excellence in Engagement Award, College of Business
- 2021 Best Reviewer – Journal of Supply Chain Management
- 2020 Distinguished Faculty/Instructor of the Year Nominee, Colorado State Career Impact Awards
- 2019 Outstanding Educator Award, Department of Management
- 2019 Transformer Award, College of Business
- 2018 Distinguished Faculty/ Instructor of the Year Nominee, Colorado State Career Impact Awards
- 2017 College of Business Dean’s Scholar for Published Research, Colorado State University
- 2008 Krowe Award for Teaching Excellence – University of Maryland, College Park
- 2001 Teaching Excellence Recognition – University of Iowa, Iowa City

EXECUTIVE EDUCATION

Michigan State Rail Management Program: 2012 - 2021. Topic: Intermodal Transportation

Michigan State Logistics Seminar: 2009 – 2016. Topics: Outsourcing and Warehouse Management

SP Jain (Indian MBA Exchange): 2012 - 2014. Topics: Transportation Management and Warehouse Management

Michigan State West Michigan Certificate Series: 2009 - 2016. Topic: Warehouse Management

KEY CORPORATE INVOLVEMENT AND RELATIONSHIPS

(selected)

Abbott, Advanced Energy, Amazon, Ardent Mills, Arrive Logistics, Arrow, Ball, Boeing, Blue Horseshoe, Chemonics, ConAgra, Danone, DOW, Encompass, FMI, Forney, General Motors, J.B. Hunt, JBS, John Deere, Kane Is Able, Leprino Foods, Marten Transportation, Microsoft, Nestle, New Belgium, Otter Products, Rippey.ai, Rolls-Royce, Ryder, Starboard, Target, TTX, UNICEF, Walmart, Woodward*

Co-Facilitator, Strategic Supply Chain Planning Session. John Deere. Summer 2015.

*Companies listed in alphabetical order

INVITED PRESENTATIONS AND PANEL DISCUSSIONS

"Supply Chain Basics for SMEs/Entrepreneurs", Webinar for Entrepreneurs, UPH College of Engineering, Invited presentation May 2023.

"Socially Responsible Supply Chain Management", panelist for Decision Sciences Annual Conference. Virtual. November 2020

"How to Write and Award-Winning Dissertation", panelist for Bowersox Doctoral Symposium, CSCMP Edge Conference, Anaheim, CA. September 2019

"Revisions, Rejections, and Pangolins", presented to University of Maryland doctoral program. College Park, MD. November 2018

“Keeping it Real: A Closed-Door Session with Assistant Professors”, presented to Council of Supply Chain Management Professionals Bowersox Doctoral Symposium. Nashville, TN. September 2018

“Emerging Topics Panel”, presented to Academy of Management Doctoral Student and Junior Faculty Consortium. Chicago, IL. August 2018

Macdonald, J.R. “Talent Management, Development, and Training in Supply Chain Risk.” Global Supply Chain Resiliency Council Conference. San Francisco, CA. March 2018

Macdonald, J.R. “Life Outside the ‘Big Ones:’ Managing a Career at a Non-Logistics or a Non-PhD-granting Institution.” Logistics Doctoral Symposium. Fort Worth, TX. February 2018

Macdonald, J.R., Bode, C. “Supply Chain Disruptions and Conflicts in Buyer-Supplier Dyads”. Arrow Electronics Global Leadership Team. Denver, CO. December 2017

“What is Supply Chain, and How Does it Relate to Entrepreneurial Firms?”. CSU Ventures Ambassador Program. Fort Collins, CO. November 2017

“The Right Shoring Decision: Strategic and Operational Considerations for the Future of America”. Panel moderator at Decision Sciences. Washington, D.C. November 2017

Macdonald, J.R., Bode, C. “Supply Chain Disruptions and Conflicts in Buyer-Supplier Dyads”. DSI. Washington, D.C. November 2017

Macdonald, J.R., Bode, C. “Supply Chain Disruptions and Conflicts in Buyer-Supplier Dyads”. CSU Supply Chain Forum. Fort Collins, CO. November 2017

“Warehouse Management”, presentation to Parcel Forum Annual Conference. Dallas, TX. Sept. 2014

“Supply Chain Disruptions: How to be prepared and how to face them”, invited presentation to Supply Chain and Logistics International Symposium. Bogota, Colombia. August 2014

“Supply Chain Relationships and Resilience”, invited presentation to John Deere Logistics Partner Council Meeting. Moline, IL. June 2014

“Transportation and Logistics”, panel discussant at *Accelerating Supply Chain and Logistics Innovation Symposium*, presented by University Research Corridor and Business Leaders of Michigan. East Lansing, MI. March 2014

“Getting Noticed on Paper”, presented to Young Professionals track at the 2013 Council of Supply Chain Management Professionals (CSCMP) Annual conference. Denver, CO. October 2013

“Understanding Risk and Disruption Management”, presented to University of Maryland doctoral program. College Park, MD. April 2013

“The Effect of Disruptions on B2B Relationships”, presented to Primary Logistics Partnership Meeting through UTi Worldwide, Budapest, Hungary. November 2011

“3PL’s Role as a Supply Chain Orchestrator During Disruption Recovery”, presented to Global Client Growth Leadership Team, UTi Worldwide, Philadelphia, Pennsylvania. October 2011

“The Tenure Clock”, presented to Annual Logistics Doctoral Consortium, University of Tennessee, Knoxville. April 2011

Keynote Address: “Decision Making in the Supply Chain: Examining Problem Solving Approaches and Information Availability”, presented by co-author to Annual Ontario Institute of Purchasing Managers Association of Canada conference. Ottawa, Canada. October 2009

“Leadership of the Supply Chain”, presented to MSU Supply Chain Council. October 2009

“The First Year Out”, presented to Annual Logistics Doctoral Consortium, Michigan State University. March 2009

“Leadership of the Supply Chain”, presented to SCMA Leadership Retreat. February 2009

CONFERENCE PROCEEDINGS

Zobel, C., Melnyk, S., Griffis, S., and Macdonald, J. “Characterizing Disaster Resistance and Recovery using Outlier Detection,” Information Systems for Crisis Response and Management (ISCRAM) 2012, Vancouver, British Columbia. *May 2012*

Porterfield, T. and Macdonald, J. “The Relational Effects of Supply Chain Disruptions,” Northeast Decision Sciences Institute 2009. Uncasville, CT.

PRESENTED WORK

(as presenter; author order not reflective of final publication order)

Macdonald, J.R., Hilend, R., "Examining Interdiction and Demand Reduction Strategies for Illicit Wildlife Trade", International Congress for Conservation Biology. Brisbane, Australia. June 2025.

Macdonald, J.R., Eckerd, S.E., and Conroy, S. “Appealing to the Ideals and Oughts: Leadership-Follower Fit and Absenteeism”. AOM. Boston, MA August 2019

Macdonald, J.R., Eckerd, S.E., and Conroy, S. “Appealing to the Ideals and Oughts: Leadership-Follower Fit and Absenteeism”. Decision Sciences. Washington, D.C. November 2017

Macdonald, J.R., Pettit, T. “New Look on Total Cost of Ownership: Toward Making the Right Shoring Decision”. Decision Sciences. Washington, D.C. November 2017

Macdonald, J.R., Gardner, M. and, Eckerd. S.E. “Reducing Warehouse Turnover and Other Work Withdrawal Behavior”. CSCMP Conference, Atlanta, GA. September 2017

Macdonald, J.R., Espana, J., and Pettit, T. “Supply Chain Total Cost of Ownership with Strategic Costs and Operational Risks: A Tool for the Rightshoring Decision”. Academic Research Symposium, CSCMP Conference, Atlanta, GA. September 2017

Macdonald, J.R., Bode, C. “Supply Chain Disruptions”. POMS. Washington, D.C. May 2015

Macdonald, J.R., Melnyk, S.A., Zobel, C., and Griffis, S.E. “The Development of a Time-series Experimental Design”. ISCRiM Conference. University of North Texas. Denton, TX. October 2011

Macdonald, J.R., Goulding, P., and Campbell, A. "The Impact of Supply Chain Disruptions on Partner Relationships". Presented with Estee Lauder and UTi Worldwide. CSCMP Conference, Philadelphia, PA. October 2011

Macdonald, J.R., Melnyk, S.A. "Blended Outcome Enterprises". AOM, San Antonio, TX. August 2011

Macdonald, J. R., Zacharia, Z. "The Impact of Disruptions on Supply Chain Strategy and Performance". BOPS, Syracuse, NY. June 2009

Macdonald, J. R., Corsi, T. "Impact of a Disruption on Supply Chain Strategy and Performance". INFORMS, Seattle, WA. November 2007

Macdonald, J.R., Frommer, I, and Karaesmen, I. "Practical Implications of Chaos in Supply Chains". POMS, Dallas, TX, May 2007

Macdonald, J.R., Cantor, D.E., "Decision-Making in the Supply Chain: The Impact of Cognitive Thinking Styles and Problem Complexity". INFORMS, Pittsburgh, PA, November 2006

Macdonald, J.R., "Does Investment in Technology Resources Affect Motor Carrier Firm Performance?" Transportation Research Forum, New York, NY, March 2006

WORK PRESENTED

(presenter underlined; author order not reflective of final publication order)

Hilend, R., Macdonald, J.R. "Evaluating the Effectiveness of Alternative Livelihood Programs in Reducing Illegal Wildlife Trade: Findings from Rwandan National Parks", International Congress for Conservation Biology. Brisbane, Australia. June 2025.

Zhang, J., Golicic, S., Rogers, Z. and Macdonald, J.R. "Literature Review on Multi-method Research in Supply Chain Management.", Decision Sciences Conference. Phoenix, AZ. November 2024.

Paraskevas, J-P., Guntuka, L., and Macdonald, J.R. "Perception vs. Reality: How Complexity Shapes Buyer-Supplier Network Change in Response to Disruptions.", Decision Sciences Conference. Phoenix, AZ. November 2024.

Schueltken, R., Bode, C., and Macdonald, J.R. "Buying Between a Rock and a Hard Place: Expectancies of Social and Environmental Sustainability.", Academy of Management Conference. Chicago, IL. August 2024.

Schueltken, R., Bode, C., and Macdonald, J.R. "Between the devil and the deep blue sea: Social and environmental sustainability expectancies for suppliers and their violation." Euroma. Barcelona, Spain. July 2024.

Schueltken, R., Bode, C., and Macdonald, J.R. "From the setting of sustainability requirements for suppliers to their violation.", Production and Operations Management Conference. Minneapolis, MN. April 2024.

Hilend, R., Macdonald, J.R., Griffis, S., Bennett, A., and Gore, M. "The overlap of illicit wildlife trade with licit supply chains: A fuzzy set qualitative comparative analysis", International Congress for Conservation Biology. Kigali, Rwanda. July 2023.

Zhang, J., Macdonald, J., Özpolat, K., "Application of Twitter Data to Investigate Supply Chain Challenges and Consequences ", Decision Sciences Institute Annual Meeting. Atlanta, GA. November 2022.

Hilend, R., Griffis, S.E., Bell, J., and Macdonald, J.R. “Keeping your Supply Chain out of the Headlines: Scarce and Illicit Natural Resource Supply Risks - A Multidisciplinary Review”. CSCMP Academic Research Symposium. Nashville, TN. September 2022.

Zhang, J., Macdonald, J., Özpolat, K., "Well-being Outcomes: Using Social Media Data to Explore Vaccine Supply Chain Challenges and Actionable Implications", CSCMP Academic Research Symposium. Nashville, TN. September 2022.

Zhang, J., Macdonald, J., Özpolat, K. "Application of Twitter Data to Investigate Vaccine Supply Chain Challenges and Consequences", POMS. April 2022.

Hilend, R., Griffis, S.E. Bell, J., and Macdonald, J.R. “Natural Resource Scarcity and Illicit Supply Chains”. WDSI. Hawai’i. April 2022.

Macdonald, J.R., Rogers, Z.S., Jeong, S., and Choi, T. “Cyber Disruptions in the Supply Chain: An Event Study”. POMS. Minneapolis, MN. April 2021.

Macdonald, J.R., Dilkina, B., Gore, M., Griffis, S.E., and Keskin, B. “Wildlife Trafficking: Using Supply Chains Methods to Combat Poaching”. WDSI. Portland, OR. April 2020. *Postponed due to COVID-19.*

Macdonald, J.R., Merath, M., and Bode, C. “Supply Chain Risk and Protection Motivation: Why Some Managers Act Proactively (and Others Don't)”. AOM. Chicago, IL. August 2018

* *ISM Best Paper Award Runner-up*

Macdonald, J.R., Merath, M., and Bode, C. “Supply Disruption Management: How Others’ Mistakes Translate into Proactive Action”. POMS. Houston, TX. May 2018

Macdonald, J.R., Melnyk, S.A., Zobel, C., and Griffis, S.E. “Understanding Supply Chain Shocks and Resilience: Theory-building through Experimental Based Simulation”. POMS. Washington, DC. May 2015

Macdonald, J.R., Melnyk, S.A., Griffis, S.E., and Zobel, C. “Towards an Operational Definition of Resiliency”. POMS. Denver, CO. May 2013

Macdonald, J.R., Melnyk, S.A., Zobel, C., and Griffis, S.E. “Characterizing Disaster Resistance and Recovery Using Outlier Detection”. ISCRAM (International Conference on Information Systems and Crisis Response and Management). Vancouver, B.C. April 2012

Macdonald, J.R., Melnyk, S.A., Zobel, C., and Griffis, S.E. “Experimental Time Series Analysis: Bringing Experimental Design to the Study of Time Series”. DSI. Boston, MA. November 2011

Macdonald, J. R., Zacharia, Z., "The Impact of Disruptions on Supply Chain Strategy and Performance". DSI, New Orleans, LA. November 2009

ACADEMIC SERVICE - DISCIPLINE

- **Associate Editor**, Journal of Supply Chain Management – 2024-Current
- Fulbright Award Reviewer, Egypt - 2025
- **Chairperson**, Daugherty Logistics Doctoral Symposium - 2024
- Academic Research Symposium (ARS) **Chairperson** - 2021-2022
- CSCMP Academic Strategies Committee – Current
 - Case Library Lead – 2023-2025

- ARS Lead – 2021-2022
- Doctoral Dissertation Award Co-lead – 2019-2021
- Journal of Business Logistics **Editorial Review Board** – 2017-Current
- Journal of Supply Chain Management **Editorial Review Board** – 2024 (promoted to AE)
- Decision Sciences **Editorial Review Board** – 2021-2024
- **Co-Director**, Academy of Management OSM Division Junior Faculty and Doctoral Consortium, 2019-2020
- Track Chair for *Supply Risk Management*, POMS Annual Conference, 2016
- Panelist for Bowersox Doctoral Symposium, CSCMP Annual Conference, 2014
- Track Chair for *Resilience: Managing Risk and Disruptions*, CSCMP Annual Conference, 2013
- Track Chair, Educators Conference (SCMEC), CSCMP, 2011
- Session Chair, Educators Conference (SCMEC), CSCMP, 2011
- CSCMP Subject Matter Expert, SCPro Certificate Design Team, 2011
- Seminar Coordinator, Department of Logistics, Business, & Public Policy, Smith School of Business, 2006-07
- Session Chair: POMS Annual Conference, 2007
- Ad-hoc reviewer: Journal of Business Logistics, Transportation Journal, Decision Sciences, International Journal of Production Research, CSCMP Case Study Series, Academy of Management Conference, International Journal of Physical Distribution and Logistics Management, Journal of Transportation Management, Transportation Research: Part E

ACADEMIC SERVICE – COLORADO STATE

- Faculty Advisor, Supply Chain Management student club, 2024-Current
- Director, Supply Chain Forum (*Department*), 2020 – 2024
- Search Committee Chair, Supply Chain Faculty positions (*Department*), 2023
- Coordinator, Department Guest Scholar Series: Tom Goldsby (*Department*), 2022
- Course Scheduling (*Department*), 2020 – Current
- Search Committee Chair, Supply Chain Post Doc (*Department*), 2021
- Coordinator, AWESOME Scholarship Nominations (*Department*), 2021
- Coordinator, Department Guest Scholar Series: Terry Esper (*Department*), 2020
- Search Committee, Department of Management Chair (*Department*), 2020
- Associate Director, Supply Chain Forum (*Department*), 2019 – 2020
- Search Committee, Supply Chain Faculty (*Department*), 2019
- Scholastic Standards Committee (*University*), 2018-2019

DIRECTED MASTER’S THESES

- Mitch Garrison (Union Pacific): “Drivers of Customer Satisfaction at Union Pacific Railroad.” Completed 2016
- Stephen Dostie (Coyote Logistics): “Utilizing a Loyalty Program at a Third-Party Logistics Company.” Completed 2015
- Janelle Wilhelm (Whirlpool): “Foreign Trade Zones: Impact on Cost Reduction in the Global Supply Chain.” Completed 2014
- Julian Lopez (Mondelez): “Methodology to Identify and Prioritize Logistics Cost Reduction Projects in a Consumer Products Company.” Completed 2014
- David Sprock (UPS): “Determining Solutions to Combat [Car Hauler] Capacity Constraints.” Completed 2013
- George Lovequist (Amway): “Short Line Rail in West Michigan: Is it Still a Viable Transportation Option for West Michigan Companies?” Completed 2012
- Ronald Tan (City-Link Express): “Franchising in the Courier Industry.” Completed 2010

TEACHING EXPERIENCE

Colorado State University: Department of Management, Fort Collins, CO (July 2016 – Current)

Graduate Level

BUS 650: Logistics Policy, Supply Chain Management (Spring 2021 - Current):

- Class purpose to understand:
 - Value-driven supply chains
 - Design and management of effective supply chains
 - Individual components of logistics, operations, and purchasing within supply chains
 - Emphasis on current practice and recent trends

Undergraduate Level

MGT 301: Supply Chain Management (Spring 2017 - Current):

- Class purpose to understand:
 - Value-driven supply chains
 - Design and management of effective supply chains
 - Individual components of logistics, operations, and purchasing within supply chains
 - Emphasis on current practice and recent trends

MGT 377: Logistics and Transportation Management (Fall 2016 - Current):

- Class purpose to understand:
 - Transportation management;
 - Risk / disruption / security management;
 - Warehouse and distribution center operations; and
 - Integrated logistics network design and strategy

MGT 492A: Supply Chain Seminar (Fall 2022):

- Class purpose to understand practical aspects of:
 - Resilience
 - Sustainability
 - Business Continuity Plans, ESG Plans, Supplier Codes of Conduct

Michigan State University: Department of Supply Chain Management, East Lansing, MI (January 2009 – June 2016)

Graduate Level

SCM 932: Logistics Policy, Guest Lecturer (Fall 2011, Fall 2013)

- Presented and led Ph.D. class discussion on topic of supply chain risk and disruptions

SCM 876: Logistics Operations Methods and Systems (Spring 2010 – Spring 2015):

- Class purpose to understand:
 - Transportation management;
 - Warehouse and distribution center operations;
 - Third-party logistics providers; and
 - Integrated logistics network design and strategy

Undergraduate Level

SCM 373: Logistics and Transportation Management (Spring 2009 - 2016):

- Class purpose to understand:
 - Transportation management;
 - Risk / disruption / security management;
 - Warehouse and distribution center operations; and
 - Integrated logistics network design and strategy

PKG 475: Packaging Economics, Guest Lecturer (Spring 2014-2016):

- Presented and led class discussion on the economics of logistics

University of Maryland – College Park: Logistics, Business and Public Policy Department,
College Park, Maryland (August 2004 - December 2008)

Undergraduate Level

BMGT 476: Advanced Supply Chain Management (Spring 2007):

- Class purpose to understand tactical and operational management of supply chains with advanced software systems that build on top of ERP (enterprise resource planning) systems
- Emphasized issues related to creation of end-user value through supply chain cost reductions and / or service improvements
- Provided students hands-on experience with major ERP software in use by major companies – Oracle and SAP Advanced Planning and Optimization
- Ratings of 4.45 and 4.27 / 5

Undergraduate Teaching Assistant

BMGT 475: Advanced Supply Chain Management Strategy and Technologies:

- Implemented, configured, and supported faculty, teaching assistant and undergraduate student use of CAPS Logistics Software. (Fall 2005 – Fall 2006)
- Initiated and drove project to transition class from using CAPS to i2 Supply Chain Strategist (Fall 2006)

University of Iowa: Dept. of Management Sciences, Iowa City, Iowa (August 2001-May 2002)

Undergraduate Teaching Assistant

6K:70: Computer Analysis

- Taught two classes of Computer Analysis course (MSWord, Excel, Access, FrontPage, ASP)
- Responsible for creating and communicating of projects, also grading students' assignments
- Received Teaching Excellence Recognition for high TA ratings

DISSERTATION

Title: Supply Chain Disruptions: A Conceptual Framework and Towards a Theory on Decision Making

Committee Chair: Dr. Thomas M. Corsi

Members: Dr. Curt Grimm, Dr. Phil Evers, Dr. Sandor Boyson, Dr. Jennifer Blackhurst, Dr. Paul Schonfeld

Severe supply chain disruptions have a great impact on the firm. They can cause loss of sales to customers and lead to changes in the design and strategy of the supply chain. This research works focuses on supply chain disruption management. It presents an overall conceptual framework and a theoretical model, highlighting the decision

making process of disruption recovery. First, the literature concepts surrounding supply chain disruptions – risk management, mitigation, crisis management, supply chain resilience, supply chain security, business continuity planning, and sustainability – are defined and differentiated, since these concepts often have overlapping factors that can cause confusion. After defining each of these concepts and the latest research findings, a framework for understanding the relationships among the concepts is developed. Second, this framework reveals a gap in the literature surrounding the disruption recovery and decision making process. While an initial disruption management model can be built using factors from the literature, data are collected by conducting multiple interviews and analyzed using a structured grounded theory methodology to produce a more complete model. This also has the effect of building theory from which propositions are developed surrounding discovery of the disruption, recovery team composition, decision-making, and others. These propositions can be tested empirically in future research.

DOCTORAL CONSORTIA

Selected to participate in the Decision Sciences Institute 25th annual Doctoral Consortium, Phoenix, AZ, November 2007

Selected to participate in the Council of Supply Chain Management Professionals Annual Logistics Doctoral Symposium, Philadelphia, PA, October 2007

Selected to participate in the Academy of Management – OM Division Annual Doctoral Symposium, Philadelphia, PA, August 2007

Selected to participate in the Production and Operations Management Annual Doctoral Symposium, Dallas, TX, May 2007

TECHNICAL SKILLS

Supply Chain Software: IBM LogicNet, MercuryGate, Mojo, Oracle Advanced Supply Chain Planning ERP Module, Starboard Navigator

CONSULTING WORK EXPERIENCE

UTi Worldwide Group, Long Beach, CA, USA (May 2005 – December 2008)
Senior Consultant, Supply Chain Design & Innovation

- Use i2 Supply Chain Strategist and Transportation Modeler to perform strategic supply chain analyses for global customers of UTi Worldwide
- Analyses include: import/export trade lanes, manufacturing and warehouse locations, transport mode use and utilization, foreign trade zone recommendation, and transportation routing
- Provide support for internal strategic initiatives through research, presentations, and recommendations

INTERNATIONAL WORK EXPERIENCE

UTi Worldwide Pte. Ltd., Singapore (December 2003 – July 2004)
Supply Chain Solutions Architect – Asia Pacific

- Traveled to various Asian countries to perform tasks and job duties (Sri Lanka, Hong Kong, Malaysia)

- Self-taught i2 suite of products to use for supply chain analysis
- Process mapped and analyzed supply chains for customers to streamline and make efficiency recommendations which included warehouse capacity analysis, fleet management and delivery schedules, production schedules, import requirements, and labor usage
- Coordinated and led team to implement process changes for customer in Malaysia
- Assessed software requirements for 4PL role of carrier bidding in India
- Provided analysis and solution on warehouse IT solutions schedules in Sri Lanka

Naigai Nitto Pte. Ltd., Singapore (August 2002 – December 2003)

Assistant Manager for Japanese freight forwarding firm

- Collaborated and worked with team for ISO 9000 re-certification process
- Created Logistics Training program, obtained OJT (On-the-job-training) Certification for company, and provided training to staff
- Created Intranet for company to promote company policies and objectives
- Worked to promote the use of VMI, SCM, and RFID with our customers
- Aggressively pursued sales with companies outside of normal clientele for future customer base
- Created and implemented company CARE program – including Recycling program
- Helped unify the management and promoted teamwork through communication programs

WORK EXPERIENCE

J. M. Swank, North Liberty, Iowa (October 2000 – August 2001)

Regional Dispatcher and IT Analyst (both positions held simultaneously)

RUAN Transportation Management, Des Moines, Iowa (January 1999 – August 2000)

Logistics and IT Analyst

LGI, Ellsworth, Iowa (Summer 1998)

Traffic Coordinator

Union Pacific Railroad, Omaha, Nebraska (Spring 1997)

Operations Analyst

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

1997-Current	Member of Council of Supply Chain Management Professionals (CSCMP)
2006-2009	Member of INFORMS
2006-2007	Member of Transportation Research Forum (TRF)
2007-2016	Member of Production and Operations Management Society (POMS)
2007-Current	Member of Academy of Management (AOM)
2007-Current	Member of Decision Sciences Institute (DSI)

COMMUNITY SERVICE

2024-Current	Unhoused food distribution
1996-Current	HOPE Worldwide Volunteer
2002-2004	<i>Leader,</i> Central Christian Church Preteen Ministry
1998-2002	<i>Leader, Co-Leader,</i> Campus Advance Ministry Group

updated 9/2025