

Alex Scott

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Research—Professor Scott’s research focuses on transportation and logistics with an emphasis on public policy, transportation market dynamics, shipper-carrier governance mechanisms, and transportation sustainability. Professor Scott’s articles have been published in the *Journal of Operations Management*, *Production and Operations Management*, *Journal of Business Logistics*, *Transportation Science*, and other journals. Professor Scott has received research fellowships and a research award from the Council of Supply Chain Management Professionals.

Industry Outreach—Professor Scott frequently engages with industry and translates his research findings to practitioner audiences. For example, his research on public policy in transportation has been widely discussed in industry publications and was cited in testimony before a committee on transportation safety policy in the U.S. Congress. He also developed a method and comprehensive data source to measure the sustainability of transportation firms, which led to a partnership between the University of Tennessee and one of the largest supply chain visibility companies in the world.

Teaching and Service—Professor Scott has successfully taught courses in supply chain and operations management, supply chain modeling, logistics management, and transportation management. Professor Scott uses active learning practices when teaching and applies his industry experience in the classroom. Professor Scott is on journal editorial review boards and serves as a reviewer for top supply chain and operations journals. He has organized sessions at the Production and Operations Management and Decisions Sciences annual conferences.

EDUCATION

Ph.D. in Business Administration	2012 to 2016
Department of Supply Chain & Information Systems, Pennsylvania State University Recipient of Frank and Jean Smeal Annual Scholarship of \$15,000 (2012 to 2016)	
M.S. in Operations Research	2002 to 2003
Department of Industrial & Systems Engineering, Georgia Institute of Technology	
B.S. in Industrial Engineering	1998 to 2002
Department of Industrial Engineering, Purdue University	

EXPERIENCE

Academic Appointments

Assistant Professor 2021 to present

Joseph Frye Faculty Fellow 2021 to present

Department of Supply Chain Management, Haslam College of Business
University of Tennessee, Knoxville, TN

Assistant Professor 2019 to 2021

Department of Supply Chain Management, Eli Broad College of Business
Michigan State University, East Lansing, MI

Assistant Professor 2016 to 2019

Department of Supply Chain & Information Management, D'Amore-McKim School of Business
Northeastern University, Boston, MA

Industry Employment

IBM, ILOG SUPPLY CHAIN & OPTIMIZATION, Chicago, IL 2007 to 2012

Worldwide Services Lead, Managing Consultant, and Senior Supply Chain Consultant

Responsible for pre-sales proposals, project development, contract creation and negotiation, resource scheduling, and project management for supply chain and optimization consulting group of fifteen to twenty consultants within IBM. Also led numerous projects around the globe for large multinational corporations. Projects included network design, production planning, and multi-tier inventory optimization.

KENCO LOGISTIC SERVICES, Chattanooga, TN 2006 to 2007

Senior Logistics Engineer

Led the design and startup of new 3rd-party distribution centers. These included an AIB-certified warehouse (food grade) and a high-speed pick-pack warehouse.

J.B. HUNT TRANSPORT, INC., Lowell, AR 2004 to 2006

Logistics Engineer, Integrated Management Sciences

Projects included an activity-based costing model, a freight selection model, and a container repositioning support tool.

DEFENSE INTELLIGENCE AGENCY, Washington, D.C. 2003 to 2004

Intelligence Analyst

Analyzed and documented transportation networks, details of which are classified. Granted Top Secret Security Clearance by the Federal Government of the United States.

RESEARCH

Interests

Supply chain management, transportation and logistics, public policy, sustainability

Refereed Publications

Scott, A., Li, M., Cantor, D.E., & Corsi, T.M. “Do Voluntary Environmental Programs Matter? Evidence from the EPA SmartWay Program.” *Journal of Operations Management* <http://doi.org/10.1002/joom.1209>.

Miller, J.W., Darby, J.L., & Scott, A., 2022, “The Moderating Effect of COVID-19 on the Relationship between Spot Market Prices and Capital Investment.” *Transportation Journal*, vol. 61, no. 2 151-194.

Scott, A., & Balthrop, A., 2021, “The Consequences of Self-Reporting Biases: Evidence from the Crash Preventability Program.” *Journal of Operations Management*, vol. 67, no. 5, pp. 588-609.

Scott, A., Balthrop, A., & Miller, J.W., 2021, “Unintended Responses to IT-Enabled Monitoring: The Case of the Electronic Logging Device Mandate.” *Journal of Operations Management*, vol. 67, no. 2, pp. 152-181.

Miller, J.W., Scott, A., & Williams, B., 2021, “Adjustment of Contract Prices to Spot Market Conditions in the Truckload Sector.” *Journal of Business Logistics*, vol. 42, no. 4, pp. 388-405.

Scott, A., Craighead, C.W., & Parker, C., 2020, “Now You See It, Now You Don’t: Explicit Contract Benefits in Extralegal Exchanges.” *Production and Operations Management*, vol. 29, no. 6, pp. 1467-1486.

Scott, A., & Nyaga, G.N., 2019, “The Effect of Firm Size, Asset Ownership, and Market Prices on Regulatory Violations.” *Journal of Operations Management*, vol. 65, no. 7, pp. 685-709.

Scott, A., 2019, “Concurrent Business and Buyer-Supplier Behavior in B2B Auctions: Evidence from Truckload Transportation.” *Production and Operations Management*, vol. 28, no. 10, pp. 2609-2628.

Scott, A., 2018, “Carrier Bidding Behavior in Truckload Spot Auctions.” *Journal of Business Logistics*, vol. 39, no. 4, pp. 267-281.

Scott, A., Parker, C., & Craighead, C.W., 2017, “Service Refusals in Supply Chains: Drivers and Deterrents of Freight Rejection,” *Transportation Science*, vol. 51, no. 4, pp. 1086-1101.

RESEARCH (continued)

Scott, A., 2015, "The Value of Information Sharing for Truckload Shippers," *Transportation Research Part E*, vol. 81, September, pp. 203-214.

Scott, A., & Harrison, T.P., 2015, "Additive Manufacturing in an End-to-End Supply Chain Setting," *3D Printing and Additive Manufacturing*, vol. 2, no. 2, pp. 65-77.

Papers Under Review or Revision

Balthrop, A., & Scott, A. "To Announce or Not to Announce? Organizational Responses to Varied Inspections." Major revision requested at *Journal of Business Logistics*.

Scott, A., & Davis-Sramek, B. "Driving in a Man's World: Gender Segregation in the Trucking Industry." Under 2nd round review at *International Journal of Physical Distribution and Logistics Management*.

Balthrop, A., Gordon, R., Phares, J., & Scott, A. "Marijuana Legalization and Truck Safety: Does the Pineapple Express Damage More Pineapples?" Reject and resubmit at *Production and Operations Management*.

Miller, J.W., Skowronski, K., & Scott, A. "Heterogeneous Effects of Monitoring Technology Adoption on Regulatory Compliance." Reject and resubmit at *Journal of Operations Management*.

Scott, A., Davis-Sramek, B., & Ketchen Jr., D.J. "Men at Work...Unsafely: Gender Differences in Compliance with Safety Regulations." Under review at *Production and Operations Management*.

Working Papers

Schollmeier, R., & Scott, A. "Examining the Gender Wage Gap in the Supply Chain." Target Journal: *Journal of Business Logistics*.

Scott, A. "Gender Differences in the Choice of Green Certified Equipment: Evidence from Independent Owner-Operators." Target Journal: *Journal of Operations Management*.

Holzhaecker, M., Loch, H., Miller, J.W., Scott, A. "Asset Control Rights and the Independent Contractor." Target Journal: TBD.

Scott, A., & Bolumole, Y. "It's Raining, It's Pouring, the Inspector is Snoring: Task Selection in Varying Work Environments." Target Journal: *Journal of Business Logistics*.

RESEARCH (continued)

Research Honors and Awards

Winner of the E. Grosvener Plowman Award for Best Conference Paper at the CSCMP 2019 for “Unintended Responses to IT-Enabled Monitoring: The Case of the Electronic Logging Device Mandate” (published in the *Journal of Operations Management* in 2021).

Nominee for the E. Grosvener Plowman Award for Best Conference Paper at the CSCMP 2018 for “The Effect of Firm Size, Asset Ownership, and Market Prices on Regulatory Violations” (published in the *Journal of Operations Management* in 2019).

Joseph Frye Faculty Fellow, Haslam College of Business, University of Tennessee, 2021 to present.

Faculty Affiliate, Baker Center for Public Policy, University of Tennessee, 2022 to present

Research Fellow, Supply Chain Policy Institute, Walton College of Business, University of Arkansas, 2019 to present.

Conference Presentations

Scott, A., Li, M., Cantor, D., Corsi, T., “Do Voluntary Programs Matter? Evidence from the EPA SmartWay Program.”

Decision Sciences Annual Conference, Virtual, 2021.

Scott, A., Davis-Sramek, B., Ketchen Jr., D., 2021, “Gender Differences in Compliance with Safety Regulations.”

Decision Sciences Annual Conference, Virtual, 2021.

Schollmeier, R., Scott, A., “Examining the Gender Wage Gap Across the Supply Chain.”

Decision Sciences Annual Conference, Virtual, 2021.

Scott, A., & Davis-Sramek, B., “Driving in a Man’s World: Gender Segregation in the U.S. Trucking Industry,”

CSCMP Annual Conference, Atlanta, GA, USA, 2021.

Scott, A., & Davis-Sramek, B., “Emerging Research Topics: Women in Trucking,”

Trends in Supply Chain Management Annual Conference, Fayetteville, AR, USA, 2021.

RESEARCH (continued)

Scott, A., & Balthrop, A., “Self-reporting Biases and Their Consequences: Evidence from the Crash Prevention Program.”

Decision Sciences Annual Conference, New Orleans, LA, USA, 2019.

Scott, A., Balthrop, A., & Miller, J.W., 2019, “Did the Electronic Logging Device Mandate Reduce Accidents?”

CSCMP Annual Conference, Anaheim, CA, USA, 2019.

Decision Sciences Annual Conference, Chicago, IL, USA, 2018.

Scott, A., & Nyaga, G.N., “The Effect of Operational Control, Size, and Market Incentives on Regulatory Violations.”

CSCMP Annual Conference, Nashville, TN, USA, 2018.

Decision Sciences Annual Conference, Chicago, IL, USA, 2018.

Scott, A., “It’s Raining, It’s Pouring, the Inspector is Snoring: Task Selection in Varying Work Environments.”

POMS Annual Conference, Houston, TX, USA, 2018.

Scott, A., “Sequential Effects and Bidder Heterogeneity in B2B Auctions: Evidence from Truckload Spot Auctions.”

Decision Sciences Annual Conference, Washington, DC, USA, 2017.

INFORMS Annual Conference, Houston, TX, USA, 2017.

POMS Annual Conference, Seattle, WA, USA, 2017.

Scott, A., Craighead, C.W., & Parker, C., “The Impact of Commitment Specificity on Supplier Behavior: Evidence from For-Hire Trucking.”

INFORMS Annual Conference, Philadelphia, PA, USA, 2015.

CSCMP Annual Conference, San Diego, CA, USA, 2015.

Scott, A., Parker, C., & Craighead, C.W., “Exploring Shipper-Carrier Dynamics in a Truckload Environment.”

INFORMS Annual Conference, San Francisco, CA, USA, 2014.

Scott, A., & Harrison, T.P., 2014, “Examining Supply Chain Drivers for Additive Manufacturing Adoption.”

Center for Supply Chain Research Annual Forum, State College, PA, USA, 2014.

Defining the Current and Future State of the Metallic Materials Supply Chain for Additive Manufacturing Conference, State College, PA, USA, 2013.

Invited Seminars

Alphabet (Google parent company) – 2022

Ohio State University – 2021

MIT Center for Transportation and Logistics – 2020, 2021

Research Grants

Co-Principal Investigator, 2017, “Trucking in Massachusetts,” Transportation Association of Massachusetts, Awarded \$25,000.

TEACHING

Note: Teaching scores are out of 5 unless noted.

University of Tennessee

Course Number	Title	Level	Semester	Number of Sections	Average Instructor Score
SCM 564	Supply Chain Modeling	Masters	Summer 2022	1	4.9
SCM 411	Supply Chain Modeling and Analysis	Undergraduate	Spring 2022	1	4.8
SCM 413	Logistics Operations	Undergraduate	Spring 2022	2	4.7

Michigan State University

Course Number	Title	Level	Semester	Number of Sections	Average Instructor Score
SCM 476	Transportation Management	Undergraduate	Spring 2021	2	4.5*
SCM 476	Transportation Management	Undergraduate	Fall 2020	2	4.3*
SCM 476	Transportation Management	Undergraduate	Spring 2020	3	4.65
SCM 476	Transportation Management	Undergraduate	Fall 2019	2	4.75

*asynchronous online (COVID semesters)

Note: SCM 476 was a two credit hour class

Northeastern University

Course Number	Title	Level	Semester	Number of Sections	Average Instructor Score
SCHM 2301	Introduction to Supply Chain and Operations Management	Undergraduate	Spring 2019	2	4.65
SCHM 2301	Introduction to Supply Chain and Operations Management	Undergraduate	Fall 2018	2	4.65
SCHM 2301	Introduction to Supply Chain and Operations Management	Undergraduate	Fall 2017	3	4.75
SCHM 2301	Introduction to Supply Chain and Operations Management	Undergraduate	Spring 2017	1	4.7
SCHM 2301	Introduction to Supply Chain and Operations Management	Undergraduate	Fall 2016	2	4.75

Pennsylvania State University

Course Number	Title	Level	Semester	Number of Sections	Average Instructor Score
SCM 421	Supply Chain Analytics	Undergraduate	Fall 2014	1	6.7 (out of 7)

INDUSTRY OUTREACH

Articles

Scott, A., 2021, “What percentage of truck drivers are female?” University of Arkansas Supply Chain Management Research Center, <https://scmr.uark.edu/what-percentage-of-truck-drivers-are-female/>.

Scott, A., Balthrop, A., Miller, J., 2019, “Did the ELD Mandate Reduce Accidents?” *Material Handling & Logistics*, March/April issue, pp. 23-26.

Scott, A., 2015, “A Real-Time Method to Estimate Trucking Market Conditions,” *Material Handling & Logistics*, September/October issue, pp. 22-24.

Scott, A., 2014, “How Supply Chain Managers Dig Big Data,” *Material Handling & Logistics*, January/February issue, pp. 25-27.

Scott, A., 2013, “Is Additive Manufacturing a Plus for You?” *Material Handling & Logistics*, July/August issue, pp. 17-18.

Scott, A., 2013, “Planning and Doing Meet in Today’s WMS and TMS,” *Material Handling & Logistics*, January/February issue, pp. 40-43.

Scott, A., 2012, “When It Makes Sense to Stock Up,” *Material Handling & Logistics*, August/September issue, p. 29.

Media Coverage

Television

Guest, The News with Shepard Smith, CNBC, December 16th, 2020, <https://www.cnn.com/video/2020/12/16/supermarkets-face-second-covid-wave-with-lessons-learned.html>.

Radio

Guest, Freightvine Podcast (with Chris Caplice at MIT), January 16th, 2020, <https://freightvine.podbean.com/e/the-impact-of-elds-other-freight-policies-alex-scott/>.

Guest contributor (live radio interview), SiriusXM Road Dog Trucking News, August 29th, 2019, one hour.

Guest contributor (live radio interview), SiriusXM Road Dog Trucking News, April 1st, 2019, one hour.

Guest contributor (live radio interview), SiriusXM Road Dog Trucking News, February 5th, 2019, about 25 minutes.

INDUSTRY OUTREACH (continued)

Selected Press Articles on Research

Dills, T., 4/8/2021, “Roadcheck: Do blitz announcements do any good?” Overdrive <https://www.overdriveonline.com/channel-19/article/15064934/roadcheck-inspections-to-avoid-or-not-to-avoid>.

Coker, A., 3/24/2019, “Recent study finds ELD mandate had no significant impact on crash rates,” Freightwaves <https://www.freightwaves.com/news/trucking/recent-study-finds-eld-mandate-had-no-significant-impact-on-crash-rates>.

Gallagher, J., 1/31/2019, “Research reveals mixed ELD safety effects,” Freightwaves <https://www.freightwaves.com/news/regulation/research-reveals-eld-safety-effects-mixed-so-far>.

Jaillet, J., 2/4/2019, “Study: Under ELDs, crash rates flat but unsafe driving violations are up,” Overdrive <https://www.overdriveonline.com/study-under-elds-crash-rates-flat-but-unsafe-driving-violations-are-up/>.

Jaillet, J., 2/4/2019, “Crash rates unchanged by ELDs despite increased HOS compliance, study concludes,” Commercial Carrier Journal <https://www.ccjdigital.com/crash-rates-unchanged-by-elds-despite-increased-hos-compliance-study-concludes/>.

Martinez, S., 2/4/2019, “ELD adoption fails to reduce truck accidents, study says,” TruckingInfo.com <https://www.truckinginfo.com/324416/eld-adoption-fails-to-reduce-number-of-truck-accidents>.

Leonard, M., 2/7/2019, “Study: ELD mandate may lead to unsafe driving behavior,” SupplyChainDive <https://www.supplychaindive.com/news/ELD-mandate-may-lead-unsafe-driving-behavior/547931/>.

Schremmer, M., 2/5/2019, “ELD mandate hasn’t reduced crashes, study reveals,” LaneLineMag.com <http://www.landlinemag.com/story.aspx?storyid=73710>.

Selected Media Mentions

Fuller, S.L. 2021, “ATA, OOIDA revive debate over speed limiters with letters to Buttigieg,” Transport Dive, <https://www.transportdive.com/news/ata-oida-fmcsa-transportation-department-trucking-speed-limiters/596224/>.

Wolf, C.D., 2020, “Trucking Faces Transitional Year in 2021,” Transport Topics, <https://www.ttnews.com/articles/trucking-faces-transitional-year-2021>.

Sugar, R., 2020, “Your coronavirus grocery questions, answered by experts,” Vox, <https://www.vox.com/the-goods/2020/3/30/21199714/grocery-store-delivery-coronavirus-safe-empty>.

INDUSTRY OUTREACH (continued)

Ogletree, K., 2020, “How the Supply Chain Works: Debunking the Food Shortage Myth”, Farm Flavor, <https://www.farmflavor.com/us-agriculture/how-the-supply-chain-works-debunking-the-food-shortage-myth/>.

Presentations

Scott, A., & Shaw, J., 2011, “Beyond Traditional Network Analysis,” Material Handling and Logistics Conference, Park City, Utah, USA (presented with Ahold USA, one of the largest grocers in the USA).

Daihes, K., Murphy, M., & Scott, A., 2009, “Supply Chain Metrics Used in Network Modeling,” CSCMP Annual Conference, Chicago, Illinois, USA (presented with Mars Chocolate and Wrigley, two of the largest confectionary companies in the USA).

PROFESSIONAL SERVICE

Journals

Editorial Review Board

Journal of Business Logistics, Decision Sciences Journal

Ad-hoc reviewer

Management Science, Production and Operations Management, Journal of Operations Management, Journal of Business Logistics, Information Systems Research, Decision Sciences Journal, International Journal of Production Research, Transportation Research Part E

Conferences

Session chair

- Logistics and Transportation Policy, Decision Sciences Annual Conference 2021, Virtual.
- Logistics and Transportation Management, Decision Sciences Annual Conference 2018, Chicago, IL.
- Big Data Applications in Logistics and Supply Chain, Decision Sciences Annual Conference 2018, Chicago, IL.
- Empirical Operations Management, Production and Operations Management Annual Conference 2018, Houston, TX.

Panelist

- “How to Navigate the Job Market,” Decision Sciences Annual Conference 2021, Virtual.
- “How to Publish Articles Based on Industry Collaborations,” Decision Sciences Annual Conference 2021, Virtual.