

Douglas L. McWilliams, Ph.D., CPIM, LSSBB

Education and Certifications

Postdoctoral Studies, Management, May 2011
Mississippi State University
(21 graduate semester credit hours)

Doctor of Philosophy (Ph.D.), Industrial Engineering, June 2004
North Carolina Agricultural and Technical State University
(Dissertation: Improving productivity in a hub terminal through enhanced planning and scheduling)

Master of Science, Industrial Engineering, August 1995
Mississippi State University

Bachelor of Science, Industrial Management, May 1990
Jackson State University

Certified in Production and Inventory Management (CPIM), August 1997
APICS, The Association for Supply Chain Management

Certified Lean Six Sigma Black Belt (LSSBB), July 2023
The Association of Technology, Management, and Applied Engineering

Professional Experience

Academic Positions

Assistant Professor of Management, August 2019 – Present
Department of Management
Richards College of Business
University of West Georgia, Carrollton, GA

Assistant Professor of Management, August 2012 – July 2019
Department of Business Administration
Jackson State University, Jackson, MS
[2019 Tenured and Promoted to Associate Professor]

Assistant Professor of Management, August 2008 – July 2012
Division of Business
Mississippi State University, Meridian, MS
[2012 Tenured and Promoted to Associate Professor]

Assistant Professor of Industrial Technology, August 2004 – July 2008
Department of Industrial Technology
Purdue University, West Lafayette, IN

Administrative and Leadership Positions

Production Manager, January 1998 – December 1999
Cataphote, Incorporated, Jackson, MS

Industrial Engineer, June 1995 – December 1997
Southwire Company, Starkville, MS

Teaching

Undergraduate:

Business Statistics, Supply Chain Management, Operations Management, Business Analytics, Principles of Management, Organizational Behavior, Management Information Systems

Graduate:

Business Analytics, Advanced Operations Management, Analysis of Variance, Multiple Regression, Seminar in Strategic Management, Seminar in Human Resources

Intellectual Contributions

Peer Reviewed Journal Articles - PRJs

Edevbie, N. & McWilliams, D.L. (2023). The effect of ethical leadership on employee engagement and employee job performance: A cross cultural study. *Journal of Business and Economic Perspectives*, L(2).

Edevbie, N. & McWilliams, D.L. (2023). The effect of ethical leadership on employee motivation and employee job performance: A cross cultural study. *International Journal of Business and Management Studies*, 4(8), 1-18.

McWilliams, D.L., Lennon, C., & Lowery, J.L. (2022). Impact of experience and education on risk attitude and risk perception of supply chain management professionals. *Operations and Supply Chain Management*, 15 (1), 56-68.

McWilliams, D.L., Torrance, C., Massey, M.L., & Taylor, P.G. (2022). Emergency management agents value assessment of public private partnerships. *International Management Review*, 17 (2), 5-22.

Smith, J.R., Lowery, J.L., McWilliams, D.L., & Mosley, A.L. (2021). A behavioral view and assessment of purchasing agents' perception of supply disruption risk. *International Management Review*, 17 (2), 54-66.

McWilliams, D.L., Taylor, P.G., & Massey, M.L. (2020). Job satisfaction in a blue-collar work environment: A gender difference. *Journal of Business and Economic Perspectives*, 47 (2), 139-164.

- Torrance, C.G., Smith, J.R., & McWilliams, D.L. (2020). Relief supply chain management: An investigation of emergency management agencies and commercial entities. *Journal of Business and Economic Perspectives*, 47 (1), 91-131.
- Yazici, O., McWilliams, D., & Ercan, S. (2018). CSR comparison between family businesses and nonfamily businesses. *Business & Management Studies: An International Journal*, 6 (1), 257-281.
- Crump, M., McClain, V.L., & McWilliams, D.L. (2018). Strategic entrepreneurship curriculum in the US and Europe: Lessons for sub-Saharan Africa. *Journal of Innovative Education Strategies Volume*, 6 (1,2), 21.
- McLeod, A., Stephens, M., & McWilliams, D. (2016). Empirical modeling of lean adoption in small to medium size manufacturers. *Journal of Advanced Manufacturing Systems*, 15 (4), 1-16.
- Smith J.R., Micich, L.A., & McWilliams, D.L. (2016). Organizational citizenship and employee withdrawal behavior in the workplace. *International Journal of Human Resource Studies*, 6 (3), 43-62.
- Smith J.R., Gaylor, K.P., & McWilliams, D.L. (2016). An empirical investigation of business school faculty members' organizational commitment in higher education. *Journal of Human Resources Management and Labor Studies*, 4 (2), 1-45.
- McWilliams, D. (2014). Performance modeling and analysis of transshipment terminals in the parcel delivery industry. *International Journal of Industrial and Systems Engineering*, 16 (4), 493-522.
- McWilliams, D. & McBride, M. (2013). Exploring mathematical approximation for the time spans of transfer operations in parcel transshipment terminals. *Computers and Industrial Engineering*, 64 (1), 342-356.
- McClain, V., McWilliams, D., & Henderson, R. (2013). The impact of technical knowledge on online student readiness. *Georgia Business Education Association Journal*, 31 (1), 11-18.
- Young, C., & McWilliams, D. (2012). A medical malpractice approach to quality assessment of Florida's acute care hospitals. *Academy of Health Care Management*, 9 (1), 15.
- McWilliams, D. & McBride, M. (2012). A beam search heuristic to solve the parcel hub scheduling problem. *Computers and Industrial Engineering*, 62 (4), 1080-1092.
- McWilliams, D. (2010). A genetic based scheduling algorithm for the PHSP with unequal batch size inbound trailers. *Journal of Industrial and Systems Engineering*, 4 (3), 167-182.
- Tetteh, E. & McWilliams, D. (2010). Human visual inspection of automotive paint finishes. *Journal of Management and Engineering Integration*, 3 (2), 82-89.

McWilliams, D. (2010). Iterative improvement to solve the parcel hub scheduling problem. *Computers and Industrial Engineering*, 59 (1), 136-144.

Ncube, L. & McWilliams, D. (2010). Exploring the application of simulation and games in advanced manufacturing. *Simulation and Gaming*, 41 (4), 463-464.

Elbadawi, I., McWilliams, D. & Tetteh, E. (2010). Enhancing lean manufacturing learning experience through hands-on simulation. *Simulation and Gaming*, 41 (4), 537-552.

Tetteh, E. & McWilliams, D. (2010). Simulation design for an off-line training of practical lean manufacturing concepts for visual inspection. *Simulation and Gaming*, 41 (4), 553-567.

McWilliams, D. (2009). A dynamic load balancing approach to solve the parcel hub scheduling problem. *Computers and Industrial Engineering*, 57 (3), 958-962.

McWilliams, D. & Tetteh, E. (2009). Managing lean DRC systems with demand uncertainty: An analytical approach. *International Journal of Advanced Manufacturing Technology*, 45 (9), 1017-1032.

McWilliams, D. (2009). Genetic-based scheduling to solve the parcel hub scheduling problem. *Computers and Industrial Engineering* 56 (4), 1607-1616.

McWilliams, D. Stanfield, M. & Geiger, C. (2008). Minimizing the completion time of the transfer operations in a central parcel consolidation terminal with unequal-batch-size inbound trailers. *Computers and Industrial Engineering* 54 (4), 709-720.

Tetteh, E. & McWilliams, D. (2007). Doing business in Ghana: Feasibility analysis of Dell's direct model technology. *Business Journal for Entrepreneurs*, 2007 (4).

McWilliams, D., Stanfield, P. & Geiger, C. (2005). The parcel hub scheduling problem: a simulation-based solution approach. *Computers and Industrial Engineering*, 49 (3), 393-412.

Torres, P., Stephens, M. & McWilliams, D. (2005). Improving production performance through lean manufacturing techniques. *International Journal of Advanced Manufacturing Systems*, 8 (1), 17-27.

Peer reviewed conference proceedings

McWilliams, D.L. & Yazici, O. (2018). CSR comparison between family businesses and nonfamily businesses. *Proceedings of the Academy of Business Research Conference*. New Orleans, LA, March 21-23, 2018.

McWilliams, D.L. & Taylor, P. (2018). Impact of gender differences in blue-collar work environments. *Proceedings of the Academy of Business Research Conference*. New Orleans, LA, March 21-23, 2018.

Yin, C., Wang, F., McWilliams, D., & Bu, L. (2016). Nucleolus cost allocation of vehicle routing problem with split delivery. *Transportation Research Board 95th Annual Meeting*. Washington, DC, January 2016.

Smith, J.R., Micich, L., McClain, V., & McWilliams, D.L. (2016). Organizational citizenship and employee withdrawal behavior in the workplace. *Proceedings of the Academy of Business Research Conference*. New Orleans, LA, March 2016.

Yazici, O., Chong, H. & McWilliams, D. (2014). How does family firm specific top management team diversity affect CSR. *Proceedings of the Decision Science Institute Research Conference*. Tampa, FL, November 2014.

McWilliams, D. & Randle, V. (2013). The impact of perceived organizational, supervisory support. *Annual Meeting of SAM-Society for the Advancement of Management*, Arlington, VA, March 2013.

Young, C. & McWilliams, D. (2012). A medical malpractice approach to quality assessment of Florida acute care hospitals. *Proceedings of the Academy of Health Care Management*. New Orleans, LA, April 2012.

Tetteh, E. & McWilliams, D. (2010). Human visual inspection of automotive paint finishes. *Proceedings of the 17th Annual Conference on Industry, Engineering, and Management Systems*. Cocoa Beach, Florida, March 2010.

Ncube, L. & McWilliams, D. (2008). Web 2.0 at work: managing knowledge in a collaborative web environment for product design. *Proceedings of the 41st Annual Convention of the National Association of Industrial Technology*. Nashville, Tennessee, November 18-22, 2008.

McWilliams, D. & Tetteh, E. (2008). Implementing a new assembly line in an existing facility: A lean manufacturing approach. *Proceedings of the 17th Annual Industrial Engineering Research Conference*, Vancouver, British Columbia, Canada, May 17-21, 2008.

McWilliams, D. & Tetteh, E. (2008). Value-stream mapping to improve productivity in transmission case machining. *Proceedings of the 17th Annual Industrial Engineering Research Conference*, Vancouver, British Columbia, Canada, May 17-21, 2008.

McWilliams, D. & Tetteh, E. (2008). Evaluation a reusable container program: A case study. *Proceedings of the 17th Annual Industrial Engineering Research Conference*, Vancouver, British Columbia, Canada, May 17-21, 2008.

McWilliams, D. & McLeod, A. (2005). Performance analysis of batch production and one-piece flow under demand uncertainty. *Proceedings of the 38th Annual Convention of the National Association of Industrial Technology*. St. Louis, Missouri, November 2005.

McWilliams, D. & Stanfield, P. (2005). Improving the performance of transfer operations in parcel consolidation terminals. *Proceedings of the 12th Annual Conference on Industry, Engineering, and Management Systems*. Cocoa Beach, Florida, March 2005.

McWilliams, D. & Stanfield, P. (2005). Simulation-based scheduling for parcel consolidation terminals: a comparison of iterative improvement and simulated annealing. *Proceedings of the 38th Annual Winter Simulation Conference*, Orlando, Florida, December 2005.

McWilliams, D. & Stanfield, P. (2004). A simulation optimization approach to solve the hub scheduling problem with unequal batch size trailers. *Proceedings of the 13th Annual Industrial Engineering Research Conference*, Houston, Texas, May 2004.

McWilliams, D. & Stanfield, P. (2003). Minimizing makespan in a hub sortation operation. *Proceedings of the 10th Annual Conference on Industry, Engineering, and Management Systems*. Cocoa Beach, Florida, March 2003.

McWilliams, D. & Stanfield, P. (2003). A framework for minimizing the completion time of a hub sortation operation. *Proceedings of the 12th Annual Industrial Engineering Research Conference*, Portland, Oregon, May 2003.

Stanfield, P., McWilliams, D., Sarin, S., Barnes, E. & Lin, E. (2001). Object models of supply chains for optimization, simulation, and control. *Proceedings of the Eighth Annual Conference on Industry, Engineering, and Management Systems*, Cocoa Beach, Florida, March 2001.