

Jon H. Marvel

Western Carolina University
School of Economics, Management, and Project Management
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Education

- M.S. University of North Carolina - Wilmington, College of Business
Major: Data Analytics (forthcoming – Spring 2021)
- Postdoctoral University of Toledo, College of Business Administration
Post-Doctoral Bridge to Business Program
- Ph.D. University of Cincinnati, College of Engineering and Applied Sciences
Major: Industrial Engineering
Dissertation: A Hybrid Expert System for Determining Inventory Location in a Distribution Warehouse
- M.B.A. Shippensburg University, College of Business
- M.S.E. University of Michigan, Rackham School of Graduate Studies
- B.E. Stevens Institute of Technology

Academic Positions

Professor of Management and Director, School of Economics, Management and Project Management, Western Carolina University, Cullowhee, NC (2010 – Present)

Associate Professor of Management, Gettysburg College, Gettysburg, PA (2004 – 2010)

Assistant Professor of Engineering, Grand Valley State University, Grand Rapids, MI (2000-2004)

Industrial Positions

Consultant, WCU's Corporation for Entrepreneurship and Innovation
Projects include facility redesign and layout

Manufacturing Consultant, Next Level Consulting, Mt. Pleasant, SC
Develop discrete event simulation models to aid in lean manufacturing implementations.

Senior Consultant, Institute of Advanced Manufacturing Sciences, Cincinnati, OH
Primary function involves the provision of assistance services to manufacturers in order to improve competitiveness and business performance. Directed and assisted productivity assessments of manufacturers.

Project Manager, GECO-PRAKLA/ Schlumberger, Delft, The Netherlands
Principal responsibilities focused on managing the program development of an electro-magnetic seismic vibrator.

Scholarly Work

Published Refereed Journal Articles (most recent)

Aho, O. W., Wright, E. W., Marvel, J. H. (2020). Evaluating the Influence of Venue on Experiential, Project-Based Learning. *International Journal of Business Education*, (Number), 18. [Peer-Reviewed]

Wright, E. W., Marvel, J. H., Aho, O. W. (2020). A Comparison of Student Perceptions of Learning Effectiveness of On-Line and Face-ToFace Project-Based Pedagogy. *Journal for Global Business Education*, Vol 19(2020 ISSN: 1551-6784), 24. [Peer-Reviewed]

Wright, E. W., Marvel, J. H., Wright, M. K. Innovation in Hospital Revenues: Developing Retail Sales Channels. *The Health Care Manager*, 37(1), 47-54.

Kwon, H.-B., Marvel, J. H., Roh, J. J. (2017). Three-stage performance modeling using DEA-BPNN for better practice benchmarking. *Expert Systems with Applications*, (71), 429-441.

Hong, P., Marvel, J.H. and Modi, S. (2015) A Survey of Business Network Flow Integration: Implications for Quality and Productivity Performance. *International Journal of Productivity and Quality Management*, 15(2), 131-152.

Wright, E., Marvel, J.H., Neubrander, J., and DesMarteau, K. (2014) Analysis and Recommendations for Reducing Risks of Patient Cross-Contaminations via Non-Critical Medical Devices. *The Health Care Manager*, Vol. 33, No. 3, pp. 1-9.

Wright, E. W., Marvel, J. H., and DesMarteau, K. (2014) Exploring millennials: a surprising inconsistency in making ethical decisions. *Journal of Academic and Business Ethics*, Vol 9.

Wright, E. W., Domagalski, T. A., and Marvel, J. H. (2013). Common Sense Performance Appraisals, *Supervision*, 74(5), 15-19.

Wright, E., and Marvel, J.H. (2012) Electronic Health Records (EHR) Systems: Post Adoption Physician Satisfaction and Continued Use, *The Health Care Manager*, Vol. 31, No. 3, pp. 259-267.

Marvel, J.H., and Standridge, C.R. (2009). A simulation-enhanced lean design process. *Journal of Industrial Engineering and Management*, Vol. 2, No. 1, pp. 90-113.

Marvel, J.H., Schaub, M., and Weckman, G. R. (2008). Assessing the Availability and Allocation of Production Capacity in a Fabrication Facility Through Simulation Modeling: A Case Study. *International Journal of Industrial Engineering*, Vol. 15, No. 2, pp. 166-175.

Industrial Sponsored Research

Marvel, J.H. (2016) Flowlane Simulation Model for Verification of the Capacity Planning Process at a Tier 1 Automotive Supplier.

Conference Proceedings and Presentations (most recent)

Marvel, J.H. (2019). *Integrating Excel-based Simulation into an Introductory Operations Management class*. To be presented at the 50th Annual Meeting of the Decision Sciences Institute, New Orleans, LA.

Wright, E. W., Aho, O. W., Marvel, J. H., (2019) "A Comparison of Learning Effectiveness in On-Line and Face-To-Face Project-Based Pedagogy," Appalachian Research in Business Symposium, Cullowhee, NC

Marvel, J.H. (2018). *Improving Problem Solving in an Introductory Management Science Class*. Presented at the 49th Annual Meeting of the Decision Sciences Institute, Chicago, IL.

Marvel, J.H. (2017). *Enhancing Product Development Understanding Through a 3D Printing Course Project*. Presented at the 48th Annual Meeting of the Decision Sciences Institute, Washington, DC.

Marvel, J.H., Hong, P., Roh, J.J. Yang, M.G. (2015). *Revisiting Lean and Green Dynamics within the Context of Lean Manufacturing Environments: A Longitudinal Study*. Proceedings of the 7th Annual Supply Chain Symposium and Workshop, Hangzhou, China.

Marvel, J.H. (2013). *Integrating Dynamic Analysis of Shipment Partitioning and Routing in a Transportation Network*. Presented at the 6th Annual Supply Chain Symposium and Workshop, Detroit, MI

Marvel, J.H., and Hong, P. (2012). *Lifecycle Innovation Management for SMEs in an Era of Global Complexity*. Proceedings of the International Symposium on Supply Chain Management, Toronto, Canada.

Hong, P., Marvel, J.H., and Roh, J. (2012). *Supply Chain Competence and Integrative Product Design: An Empirical Study for Small and Medium-Sized Enterprises (SMEs)*. Proceedings of the 5th Annual Supply Chain Symposium and Workshop, Tokyo, Japan.

Hong, P., Marvel, J.H. and Modi, S., (2012). *A Survey of Business Network Flow Integration: Lessons and Implications for Future Research*. Proceedings of the 5th Annual Supply Chain Symposium and Workshop, Tokyo, Japan.

Fetter, G., Falasca, M., Marvel, J.H., and Belanger, K. (2012). *Equity and Athletics: Towards an Efficiency Analysis of Title IX Compliance*. Proceedings of the 2012 Annual Meeting of the Southeast Decision Sciences Institute, Columbia, SC.

University Teaching Experience

Teaching Experience

Undergraduate:

Business Statistics

Introduction to Management Science

Manufacturing Processes

Modeling and Simulation

Policy and Strategy

Supply Chain Management

Process Management

Production and Operations Management

Production Scheduling and Control

Project Management

Systems Thinking

Graduate:

Managing Value Creating Business Operations

Production Operations Models

Material Handling and Plant Layout

Manufacturing Work Environments

Additional Information

Honors, Awards

Best Paper Award, 2014 International SCM Symposium

Alpha Pi Mu honorary society

Professional Achievements

CPIM Certification, American Production and Inventory Control Society

Six Sigma Green Belt Certification, American Society for Quality

Professional Engineer License (Ohio #64568)