

Barbara A. Osyk, Ph.D.
Associate Professor, Department of Management
The University of Akron
Phone: (330) 972-5439 (office)

EDUCATION:

Ph.D. in Business Administration

Year Conferred: 1991

Kent State University, College of Business Administration

Major Field of Study: Operations Research

Minor Field(s) of Study: Operations Management

Dissertation Title: The Use of Neural Networks for Fault Analysis in a Computer Integrated Manufacturing System

Master of Business Administration

Year Conferred: 1984

Institution: The University of Akron

Major Field of Study: Management

Bachelor of Science in Industrial Management

Year Conferred: 1982

Institution: The University of Akron

Major Field(s) of Study: Industrial Management (Personnel & Production concentrations)

TEACHING:

Recent courses taught at The University of Akron:

6500: 221	QBA I (including Honors)
6500: 222	QBA II (including Honors)
6500: 330	Principles of Operations Mgmt
6500: 333	Supply Chain & Operations Analysis.
6500: 390	Principles of Supply Chain Management
6500:670	Management of Operations
6500: 675	Supply Chain Management

RESEARCH:

Refereed Articles

Vijayaraman. B.S., and Osyk, Barbara A., "An empirical study of FID implementation in the warehousing industry, " The International Journal of Logistics Management, Vol. 17, No. 1, 2006, pp. 6-20.

Osyk, Barbara A. and Vijayaraman, Bindiganavale S., "Integrating Expert Systems and Neural Networks," Information Systems Management, Volume 12, Number 2, 1995, pp. 47-54.

Vijayaraman, Bindiganavale S. and Osyk, Barbara A., "An Empirical Study on the Usage of Intelligent Technologies," Journal of Computer Information Systems, Volume 35, Number 1, 1994, pp. 35-40.

Osyk, Barbara A., Hung, Ming S. and Madey, Gregory R., "A Neural Network Model for Fault Detection," Journal of Intelligent Manufacturing , Volume 5, 1994, pp. 67-78.

Denton, James W., Hung, Ming S., and Osyk, Barbara A., "A Neural Network Approach to the Classification Problem," Expert Systems with Applications: An International Journal, Vol.1, Number 4, 1990, pp. 417-424.

Booth, David, Pervaiz Alam, Sharif Ahkam and Osyk, Barbara A., "A Robust Multivariate Mahalanobis Distance Model for the Identification of Problem Savings and Loan Institutions," Decision Sciences, Volume 20, Number 2, Spring 1989, pp. 320-333.

Alam, Pervaiz, David Booth and Osyk, Barbara A., "A Robust Statistical Approach to the Identification of Problem Savings and Loan Institutions," Industrial Mathematics, Volume 37, Part 2, 1987, pp. 157-169.

Other Articles

Tobin, B. and Osyk, B. "Global Supply" in July/August 2004 issue of Electric Perspectives, pp. 44-50.

Osyk, Barbara A. and B. S. Vijayaraman, "RFID in the Warehousing Industry -- Where Do WERC Members Stand?," WERC Watch, a Periodic Assessment of Industry Trends, Winter 2005, pp. 1-12.

Published Proceedings

Gessner, Sally, Osyk, Barbara A. and Vijayaraman, Bindiganavale S., "An Artificial Neural Network Model for Expediting," 1996 Decision Sciences Institute National Meeting Proceedings, November 1996 (abstract), pg. 538.

Hanlon, Susan C. and Osyk, Barbara A., "Spice-rite, Inc.," 1993 Decision Sciences Institute National Meeting Proceedings, November 1993, pp 30-32.

Vijayaraman, Bindiganavale S. and Osyk, Barbara A., "Integrating Neural Networks into Expert Systems," 1992 Decision Sciences Institute National Meeting Proceedings, November 1992 (abstract), pg. 723.

Papers presented at National Conferences

Osyk, Barbara A. "Adding Value to Undergraduate Supply Chain Management Courses through SAP," presented at the 2007 POMS Conference, Dallas, TX, May 6, 2007.

Osyk, Barbara A., Vijayaraman, B., "RFID in the Warehousing Industry: an Update," presented at the 2007 POMS Conference, Dallas, TX, May 4, 2007.

Osyk, Barbara A. "A Team-Based Application of Kolb's Experiential Learning Theory in a Supply Chain Management Course," presented at the 2005 POMS Conference, Chicago, IL , April 29, 2005.

Hanlon, Susan C., Rothermel, Mary Anne and Osyk, Barbara A., "Development of Integrative Cross-Disciplinary MBA Course Materials Using a Working Case Approach," presented at the Academy of Business Education Annual Conference, Key West, FL, September 20, 2002.

Osyk, Barbara A. and Simmons, F. Bruce, III., "Women's Work: A Look at the Contributions of Mary Parker Follett and Lillian Gilbreth," presented in the symposium on Mary Parker Follett: Twentieth Century Visionary and Icon for Leadership and Empowerment in the New Millennium at the National Academy of Management Meeting, Washington, D.C., August 8, 2001.

Hanlon, Susan C. and Osyk, Barbara A., "Norka, Inc." presented at the Workshop for the American Journal for Case Research/Allied Southern Business Conference, New Orleans, November 1996.

Osyk, Barbara A. "Challenges and Issues in P/OM Curriculum," presented at October 1995 Production and Operations Management Society (POMS) Sixth Annual Meeting, Pittsburgh.

Osyk, Barbara A. and Vijayaraman, Bindiganavale S., "Integrating Expert Systems into Neural Networks," presented at May 1993 TIMS/ORSA Joint National Meeting, Chicago, Illinois.

Osyk, Barbara A., Ming S. Hung and Madey, Gregory R., "A Study of the Factors Involved in the Tradeoff Between False Alarms and Missed Detections in a Neural-Network Based Fault Detection System," presented at May 1992 TIMS/ORSA Joint National Meeting, Orlando, Florida.

Osyk, Barbara A., Ming S. Hung and Madey, Gregory R., "Using Neural Networks for Fault Diagnosis," presented at May 1990 TIMS/ORSA Joint National Meeting, Las Vegas, Nevada.

Denton, James, Ming S. Hung and Osyk, Barbara A., "A Neural Network Approach to the Classification Problem," presented at October 1989 ORSA/TIMS Joint National Meeting, New York.

Osyk, Barbara A., "Application of Expert Systems in Group Technology," presented at May 1989 CORS/ORSA/TIMS Joint National Meeting, Vancouver, B.C.

SERVICE ACTIVITIES (selected activities)

Professional:

Currently serve on the boards of:

Northeast Ohio WERC Council (Warehousing Education and Research Council)

- Education Chair (2002-2009)

NAPM – Akron - (Local affiliate for the Institute of Supply Management)

- Pro-D chair and Director of Speakers (2007-2009)

University:

- CBA Representative for United Way (2008-2009)
- Faculty Advisory Committee to the President and Provost (numerous years)
- University Well-being Committee (2000-2003)
- University Hearing Board Pool (2005-2006)

College & Department:

- CBA Assessment Committee (2008-2009)
- Founder and advisor for Supply Chain Student Association (2006-2009)
- Department scholarship committee (2007-2009)
- Various search and curriculum committees