

KENNETH CUTRIGHT



EDUCATION

- Ph.D. Industrial Engineering, West Virginia University, Morgantown, WV, May, 1990.
- M.S. Mathematics, West Virginia University, Morgantown, WV, 1976.
- B.A.. Mathematics, Glenville State College, Glenville, WV, 1969.

PROFESSIONAL EXPERIENCE

- 9/08- present Professor, Management Systems Department, Ohio University, Athens, Ohio.
- 3/07- present Associate Dean, Ohio University College of Business, Athens, Ohio.
- 9/07- 7/08 Interim Chair, Finance Department, Ohio University College of Business, Athens, Ohio.
- 7/05 – 7/07 Chair, Management Systems Department, Ohio University College of Business, Athens, Ohio.
- 7/01 – 7/07 Director of Undergraduate Programs, Ohio University College of Business, Athens, Ohio.
- 9/94 – 9/08 Associate Professor, Management Systems Department, Ohio University, Athens, Ohio.
- 9/90 - 9/94 Assistant Professor, Management Systems Department, Ohio University, Athens, Ohio.
- 1/85 - 9/90 Assistant Professor, Department of Industrial and Systems Engineering, Ohio University, Athens, Ohio.
- 8/81 - 12/84 Instructor, Department of Industrial Engineering, West Virginia University, Morgantown, WV.

Summer 84	Industrial Engineer, National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV.
Summer 82	Industrial Engineer, National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV.
8/73 - 8/81	Mathematics Teacher; Head Basketball Coach; Assistant Football and Track Coach. Doddridge County High School, West Union, WV.
8/72 - 8/73	Mathematics Teacher; Assistant Football, Basketball and Track Coach. Magnolia High School, New Martinsville, WV.
8/70 - 8/72	Mathematics Teacher; Assistant Football and Basketball Coach; Head Track Coach. Gilmer County High School, Glenville, WV.
8/69 - 8/70	Mathematics Teacher. South Harrison High School Lost Creek, WV.

SPONSORED RESEARCH

7/88 - 08/90	Principal Investigator, West Virginia Department of Highways. Computer Based System for Scheduling Production and Controlling Inventories of Traffic Signs (\$67,125).
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RESEARCH INTERESTS

My current research interests are in production scheduling, production and inventory control, simulation modeling, process improvement and innovative education.

TEACHING INTERESTS

My primary teaching interests at this time involve the integration of the core curriculum. In particular I teach the operations management class in the junior level integrated core cluster. Other interests are in the area of probability and statistics, operations research, and production and operations management. Specific classes that I have taught include Introduction to Probability and Statistics, Design of Experiments, Production and Inventory Control, Introduction to Operations Research, Project Management, Linear Programming, Nonlinear Programming, Dynamic Programming, Engineering Economy, and Production and Operations Management.

I have taught in the Athens MBA, Marietta MBA, Portsmouth MBA, Executive MBA, Tenaga CMBA (Malaysia), EMBA (Malaysia), Honors Tutorial classes, and numerous off campus courses.

CONSULTING ACTIVITIES

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| 1991-1992 | Whirlpool Corporation, Marion Division. Development of a model for forecasting field service incidence rates. |
| 1989 | TS TRIM INDUSTRIES INC., Athens, Ohio. Statistical Process Control. |
| 1984 | National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV. Developed Basic Version of the DPSE recommended compliance program. |
| 1983 | Y & S Candies, Lancaster, PA. Production scheduling. |
| 1982 | National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV. Statistical analysis on the performance of high efficiency respirators. |

PUBLISHED SOFTWARE AND MANUALS

Cutright and Martin, "OMLS- Operations Management Learning Simulation", Thompson/South-Western Publishing, Spring 2004.

REFEREED JOURNAL ARTICLES

Moyer, A., Young, W., Weckman G., Martin, C., & Cutright, K., (2015) Rubrics on the Fly: Improving Efficiency and Consistency with a Rapid Grading and Feedback System, Journal of Teaching and Learning with Technology (JoTLT), Vol. TBA, Iss. TBA, pp. TBA-TBA.

Huq, F, Bhutta, K., Cutright, K , "Excess Warehouse Space Allocation for Cost Reduction and Customer Service Improvement", Int. J. Business Continuity and Risk Management, Vol. 6, No. 1, 2015, pp. 68-76.

Huq, F., Cutright, K., Bhutta, K. "Analysis of Scheduling Rules in a Flexible Job Shop with Non-Zero Setup Costs", International Journal of Policy and Technology Management, 2009, Volume 9, Number 2, pp. 126-147.

Hale, Huq, Blackhurst, and Cutright, "Closed Form Models for Dwell Point Locations for Overhead Bridge Cranes", International Journal of Operational Research, 2009, Volume 4, Number 4, pp. 412-421.

Huq, Martin, Cutright, and Hale, "A Sensitivity Analysis Procedure for Bayesian Decision Making", *International Journal of Decision Sciences, Risk and Management*, 2009, Volume 1, Number 1/2, pp. 23 - 35.

Cutright, Huq, Huq, and Alluri, "Analysis of Order Review/Release Methods in a Flexible Flow Shop to Minimize Work-in-Process Inventory and Average Tardiness", *International Journal of Technology, Policy and Management*, 2008, Volume 8, Number 3, pp. 237-249.

Cutright, "Efficient Customer Response in a Supply Chain Subjected to Information Delays", *Journal of Business and Behavioral Sciences*, Fall 2007, Vol. 16, Number 2, pp. 90-97.

Martin and Cutright, QMS 1.1 - Software provides comprehensive collections of modules with user-friendly interfaces, *OR/MS Today*, October, 2006, Volume 33, Number 5.

Huq, Z., Huq, F., and Cutright "BPR through ERP: Avoiding Change Management Pitfalls", *Journal of Change Management*, March 2006, Vol.6, No.1, pp.67-85.

Huq, Cutright, Jones, and Hensler, "Simulation of a Two-Level Warehouse Inventory Replenishment System", *International Journal of Physical Distribution and Logistics Management*. January 2006, Vol. 36, No. 1, pp 51-65.

Huq, Cutright, and Jones, "Modeling the Influence of Multiple Expiration Dates on Revenue Generation in the Supply Chain", *International Journal of Physical Distribution and Logistics Management*, Vol. 35, No. 3, pp.152-160, 2005.

Huq, Cutright, and Martin, "Employee Scheduling and Makespan Minimization in Flow Shop with Multi-Processor Work Stations: A Case Study", *Omega, The International Journal of Management Science*, Volume 32, Issue 2, Pages 121-129 (April 2004).

Klein, Peter, and Cutright, Kenneth, "Industrial Technology and the MBA Curriculum: Interdisciplinary Opportunity", *Journal of Industrial Technology*, Spring 1996, Volume 12, Number 2, pp. 14-17.

Cutright, Kenneth, and Debal, David, "Design of a PC-Based System for Academic Advising", *Computers and Industrial Engineering*, pp. 423-427, Vol. 21, Nos. 1-4, 1991.

Terry, W.R. and Cutright, K.W., "Computer Aided Design of a Broaching Process", Computers and Industrial Engineering; Computers and Industrial Engineering, Vol. 11, No. 1-4, pp. 576-580, 1986.

Terry, W.R., Cutright, K.W., and Herald, W.J., "Spreadsheet Template Approach for Non-linear Regression Estimation", Computers and Industrial Engineering; Computers and Industrial Engineering, Vol. 11, No. 1-4, pp. 335-339, 1986.

Myers, Peach, Cutright, Iskander, "Field Test of Powered Air Purifying Respirators at a Battery Manufacturing Facility", International Society of Respirator Protection Journal, Vol. 1, Issue 4, pp. 62-89, January - March, 1986.

Myers, Peach, Cutright, Iskander, "Workplace Protection Factor Measurements on Powered Air Purifying Respirators at a Secondary Lead Smelter: Results and Discussion", American Industrial Hygiene Association Journal, Vol. 45, No. 10, pp. 681-688, October, 1984.

REFEREED PROCEEDINGS

Cutright, Huq, and Bhutta, "Analysis of Scheduling Rules in a Flexible Job Shop With Non-Zero Setup Costs", Decision Science 2007 Proceedings, pp 3151-3156, November 2007.

Huq, Cutright, Martin, and Hale, "Sensitivity Analysis in the Bayesian Approach to Decision Making", Decision Science 2006 Proceedings, pp 27321-27326, November 2006.

Huq, Cutright, and Hensler, "Simulation Study of a Multi-Echelon Warehouse Inventory Management System", Decision Science 2005 Proceedings, pp 13741-13746, November 2005.

Huq and Cutright, "Analysis of Order Review/Release Methods in a Flexible Flow Shop to Minimize Work-In-Process Inventory and Average Tardiness", Decision Science 2004 Proceedings, pp 2491-2496, November 2004.

Hale, Blackhurst, Cutright, Huq, "Dwell Point Locations for Overhead Bridge Cranes", INFORMS 2004 Proceedings.

Huq and Cutright, "A Framework for Measuring Supply Chain Agility: The Performance Metrics Approach", Decision Science 2003 Proceedings, pp 431-436, November 2003.

Huq and Cutright, "The Impact of Global Positioning Systems and Information Technology Upon Distribution and Delivery Networks", Decision Science 2002 Proceedings, pp 258-263, November 2002.

"Linking Team Effectiveness & Emotional Intelligence," *Proceedings of the American Society of Business and Behavioral Sciences* Ninth Annual Meeting, Las Vegas, February, 2002.

Cutright, Kenneth and Milter, Rick, "Developing Knowledge and Skill Via a New Learning Architecture: Growing Learning Communities in an MBA Program", Decision Science 2001 Proceedings, pp 231-233, November 2001.

Cutright, Kenneth and Perotti, Valerie, "Instructional Innovation in the Ohio University College of Business Core Curriculum", Decision Science 2000 Proceedings, pp 10-12, November 2000. ***This paper was a finalist for the Instructional Innovation Award given annually at the annual meeting of the Decision Science Institute.***

Cutright, Kenneth and Martin, Clarence, "PROSIMVB6 - A Visual Basic Simulation for Teaching Production and Operations Management", Decision Science Institute 1999 Proceedings, pp 254-256, November 1999.

Klein, Peter and Cutright, Kenneth, "Interdisciplinary Activities/Alliances: A Key to Workforce Development", *Selected Papers ~ National Association of Industrial Technology*, October 8-11, 1997.

Scamehorn, Richard and Cutright, Kenneth, "Operations Leadership in a Declining Industry", *North American Case Research Association: 1996 Proceedings*.

"PROSIM Revisited: Experiences with a Problem Based Simulation Approach to Teaching Production and Operations Management", 1994 Proceedings Decision Sciences Institute, Honolulu, November 1994.

Cutright, Kenneth W. and Alexander, Louis C., "PROSIM VII - A Simulation Approach to Teaching Productions and Operations Management", 1992 Proceedings - Decision Science Institute Annual Meeting, pp. 288-290, Volume 1, 1992.

Cutright, Kenneth and Debal, David, "Design of a PC-Based System for Academic Advising", Proceedings of the 13th Annual Conference on Computers and Industrial Engineering, pp. 423-427, Vol. 21, Nos. 1-4, 1991.

Cutright, Kenneth W. and Anderson, Tonya L., "Design of a Computer-Aided Instruction for Basic Statistics", 1991 Proceedings - Decision Science Institute Annual Meeting, pp. 399-401, Volume 1, 1991.

"Expert Advisor - An Aid To Academic Advising", Proceedings of the North Central Section of the American Society for Engineering Education, pp. 271-285, 1991. [**THIRD PLACE in the best paper competition**]

"A Scheduling Problem with Dependent Parallel Processors", Modeling and Simulation, Proceedings of the Twentieth Annual Modeling and Simulation Conference, Pittsburgh, Pa., 1989, pp. 591-595.

"Application of Semantic Networks in Computer Aided Design to Improve the Productivity of Simulation Model Development", Modeling and Simulation, Proceedings of the Eighteenth Annual Modeling and Simulation Conference, Pittsburgh, Pa., 1987, pp. 1109-1113.

"An Expert System for a Broach Design Process", Proceedings International AMSE Conference Factory of the Future 86, Jamaica, May, 1986, pp. 148-153.

GRADUATE THESES ADVISOR

"Design and Evaluation of a Corrective Measure for Student Deficiencies in Basic Engineering Calculus", Srikanth Devapatla, November 1988.

"A Stochastic Short Term Financial Planning Model Using Time Series Analysis", Richard Goodman, March 1989.

"Design and Development of a Voice Interactive Personal Banking System", Joseph Diaz-Saavedra, March 1990.

"Obtaining Approval for a New Product in the Market Place", Cheryl Lydick, June 1990.

"PC computer based algorithm for the selection of material handling equipment for a distribution warehouse based on least annual cost and operating parameters", Adi Saptari, 1990

"The design of an integrated production and inventory control system for a traffic sign shop", Wagner Barbosa, 1990.

"Design of a Computer Aided Instruction for Basic Statistics", Tonya Anderson, November 1990.

"The Evaluation of a Production Scheduling Heuristic for Production Lines with Changeover Costs and Dependent Parallel Processors", Bin Dai, November 1990.

"Design of a Simulation Model for Production Scheduling and Inventory Management", Louis Alexander, 1992.

THESIS COMMITTEE MEMBER

I have served as a member on the examining committee for many graduate students in Industrial and Systems Engineering, Electrical Engineering, Mechanical Engineering, and Civil Engineering.

COMMITTEE ASSIGNMENTS

I have served on various committees in both the College of Engineering and the College of Business. Included among them are the University General Education Council, the University Curriculum Council, Graduate College Task Force, Bachelor of Specialized Studies Committee, the Undergraduate Curriculum CIT, the University Teacher Evaluation of Learning, the Scholarship and Recruitment Committee, the Cooperative Education Committee, the Computer Education Advisory Committee, the Graduate Committee, the Teaching Committee, Chair Search Committee, and Chair of the College Tenure and Promotion Committee. I have also been a member of the Faculty Senate.

AWARDS

Provost's Undergraduate Teaching Award 1993.

Selected as 1990-91 recipient of the University Professor Award at Ohio University (was not able to accept this award as I was moving from the College of Engineering to the College of Business).

Fritz and Dolores Russ Outstanding Undergraduate Teacher Award The College of Engineering and Technology, Ohio University 1988-89.

PROFESSIONAL SOCIETIES

Tau Beta Pi Engineering Honorary
Alpha Pi Mu Industrial Engineering Honorary
INFORMS
POMS
Decision Sciences Institute
Phi Kappa Pi Educational Honorary

STUDENT CHAPTER INVOLVEMENT

Advisor - Delta Sigma Pi Professional Business Fraternity
Advisor - Student Chapter of Tau Beta Pi, Ohio University, 1989-1990.