

## KENNETH K. BOYER

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### EDUCATION

*The Ohio State University*, Columbus, Ohio

- Ph.D. Operations Management - December, 1994.
- M.A. Business Administration - December, 1993.
- Minor Field: Computer & Information Science.

*Brown University*, Providence, Rhode Island

- Sc.B. Mechanical Engineering - May, 1989.
- Specialized in Machine Design, Dynamics, and Mechanics of Materials.

### ACADEMIC EXPERIENCE

*DePaul University*, Management Department, Chicago, Illinois, August, 1995 - Present

#### **Assistant Professor**

- Co-Director, MBA concentration in Operations Management (over 150 students), Kellstadt Graduate School of Business, 1995 – present.
- Classes taught:
  - ❑ Management 301 (undergrad) - Managerial Concepts and Practices II, 4 sections.
  - ❑ Management 502 (MBA) - Managing Operations for Competitive Advantage, 15 sections.
  - ❑ Management 501 (MBA) - Strategic Management of Operations, 7 sections.
  - ❑ Management 506 (MBA) - Effective Process Design, 3 sections.
- International Experience:
  - ❑ Taught Management 502 as part of DePaul's MBA program at the International Bank of Asia – Hong Kong, February 21 – March 14, 1998.
- Executive Education:
  - ❑ Taught Management 502 twice in DePaul's weekend MBA program.
  - ❑ Purchasing Management – professional certification program, DePaul University, January/February, 1998.
  - ❑ The Executive Circle – TQM/Continuous Improvement – seminar, April 3, 1998.
  - ❑ Director, Business Process Design – professional certification program, DePaul University, 1996 – Present.
  - ❑ Process Design, Analysis & Improvement – a custom seminar for Coca-Cola executives, DePaul University, October 5, 1998.

*Miami University*, Management Department, Oxford, Ohio, August, 1994 - May, 1995.

**Visiting Assistant Professor**

- Fall Semester: Management 302 - Introduction to Operations Management, 4 sections.
- Spring Semester: Management 675 - Productivity and Quality Improvement, 1 section; Management 302 - Introduction to Operations Management, 2 sections.

*The Ohio State University*, Department of Management Sciences, Columbus, Ohio, September, 1990 - September, 1994.

**Graduate Research Assistant**

**Teaching**

- BM630, Introduction to Operations Management, 4 sections.
- BM330, Introduction to Business Statistics, 1 section.

**PUBLICATIONS - Refereed**

“Evolutionary Patterns of Flexible Automation and Performance: A Longitudinal Study”, *Management Science*, Vol. 45, No. 6, 1999, pp. 824-842.

“A Note on the Use of Multiple Raters in Survey-based Operations Strategy Research”, with Rohit Verma, forthcoming, *Production and Operations Management*.

“Measurement Issues in Empirical Research: Improving Measures of Operations Strategy and Advanced Manufacturing Technology”, with Mark Pagell, forthcoming *Journal of Operations Management*.

“Strategic Consensus in the Plant: Marching to the Beat of a Different Drummer?”, with Chris McDermott, *Business Horizons*, Vol. 42, No. 4, July-August, 1999, pp. 21-29.

“Strategic Consensus in Operations Strategy”, with Chris McDermott, *Journal of Operations Management*, Vol. 17, No. 3, 1999, pp. 289-305.

“Longitudinal Linkages Between Intended and Realized Operations Strategies”, *International Journal of Operations and Production Management*, Volume 18, No. 4, 1998, pp. 356-373.

"Unlocking the Potential of Advanced Manufacturing Technologies", with Peter Ward, G. Keong Leong & Lee Krajewski, *Journal of Operations Management*, Vol. 15, No. 4, 1997, pp. 331-347.

“An Assessment of Managerial Commitment to Lean Production”, *International Journal of Operations and Production Management*, Vol. 16, No. 9, 1996, pp. 48-59.

"Approaches to the Factory of the Future: An Empirical Taxonomy", with Peter Ward and G. Keong Leong, *Journal of Operations Management*, Vol. 14, No. 4, 1996, pp. 297-

313. This paper received the Stan Hardy Award for best paper on operations management during 1996.

"Manufacturing Flexibility at the Plant Level", with G. Keong Leong, *Omega*, Vol. 24, No. 5, 1996, pp. 495-510.

"Manufacturing Proactiveness and Performance", with Peter Ward and G. Keong Leong, *Decision Sciences*, Vol. 25, No. 3, May/June, 1994, pp. 337-358.

#### **PUBLICATIONS - Non-Refereed**

"Flexibility in Manufacturing", published in Encyclopedia of Production and Manufacturing Management, Paul Swamidass editor, Kluwer Academic Publishing, 1999.

"Airline Travel: Safety at What Price", published in Perspectives in Business Ethics, Laura Pincus Hartman, Irwin-McGraw Hill, 1998.

"Career Advancement Strategies in a Buyer's Market", with Susan Amundson, Robert B. Handfield and Manus Rungtusanatham, *Decision Line*, December/January, 1997, pp. 15-17.

"Balancing Investments in Advanced Manufacturing Technologies and Infrastructural Improvements", *Blue Book published by Computer and Automated Systems Association of the Society of Manufacturing Engineers*, May, 1995.

"Investing in Advanced Manufacturing Technology", *The Fabricator*, Vol. 24, No. 8, October, 1994, pp. 60-65.

#### **PROCEEDINGS**

"Enhancing Operations Management Courses by the Use of Graphical Computer Simulation", with Rohit Verma, *1999 Annual Meeting of the Decision Sciences Institute*, New Orleans, November, 1999.

"Advanced Manufacturing Technology Investment Patterns: A Longitudinal Study", *1998 Annual Meeting of the Decision Sciences Institute*, Las Vegas, November 1998.

"Assessing the Value of Operations Strategy Homogeneity", with Chris McDermott, *Proceedings of the 1997 Annual Meeting of the Decision Sciences Institute*, San Diego, November, 1997, pp. 1188-1190.

"Typologies of Service Operations: An Empirical Assessment", with Rohit Verma, *Proceedings of the 1997 Annual Meeting of the Decision Sciences Institute*, San Diego, November, 1997, pp. 1534-1536.

"Advanced Manufacturing Technologies and Performance: A Longitudinal Analysis", *Academy of Management Best Paper Proceedings*, Boston, August, 1997, pp. 243-247.

This paper received the [Chan Hahn award](#) for best paper in the Operations Management division.

“A Longitudinal Study of Advanced Manufacturing Technologies”, with Jeffrey Hamilton, *Proceedings of the 1996 Annual Meeting of the Decision Sciences Institute*, Orlando, November, 1996, pp. 1406-1408.

“A Note on the Use of Multiple Raters in Survey-based Operations Strategy Research”, with Rohit Verma, *Proceedings of the 1996 Annual Meeting of the Decision Sciences Institute*, Orlando, November, 1996, pp. 1344-1346.

“Advanced Manufacturing Technology: A Comparison of Implementation Patterns for Large and Small Plants”, with Peter Ward, *Academy of Management Best Paper Proceedings on Computer Disk*, Cincinnati, August, 1996.

"Advanced Manufacturing Technologies, Infrastructure, and Performance", with G. Keong Leong, Peter Ward and Lee Krajewski, *Proceedings of the 1995 Annual Meeting of the Decision Sciences Institute*, Boston, November, 1995, pp. 1184-1186.

"An Examination of Manufacturing Automation", with G. Keong Leong and Peter Ward, *Proceedings of the 1995 Annual Meeting of the Decision Sciences Institute*, Boston, November, 1995, pp. 1378-1380.

"Concerns, Actions and Performance of Singapore Firms - An Empirical Study", with G. Keong Leong, Peter Ward and Chee-Chuong Sum, *Proceedings of the 1994 Annual Meeting of the Decision Sciences Institute*, Honolulu, November, 1994.

"A Simulation Study of A Kanban Controlled Serial Assembly Process", *Proceedings of the Twenty-Fifth Annual Meeting of the Midwest Decision Sciences Institute*, Cleveland, April 24-26, 1994, pp. 277-279.

"Manufacturing Proactiveness and Business Performance: An Empirical Study", with G. Keong Leong and Peter Ward, *Proceedings of the 1993 Annual Meeting of the Decision Sciences Institute*, Vol. 3, Washington D.C., November, 1993, pp. 1487-1489.

"Linking Machine and Process Flexibility in Manufacturing", *Proceedings of the 1993 Annual Meeting of the Southeast Decision Sciences Institute Conference*, Chattanooga, February, 1993, pp.294-296.

"Operationalizing Manufacturing Proactiveness", with G. Keong Leong and Peter Ward, *Proceedings of the 1992 Annual Meeting of the Decision Sciences Institute*, Vol. 3, San Francisco, November, 1992, pp. 1383-1385.

"The Strategic Implementation of Computer Integrated Manufacturing - Key Characteristics", *Proceedings of the Twenty-Third Annual Meeting of the Midwest Decision Sciences Institute*, Kansas City, May, 1992, pp. 223-225.

## **PRESENTATIONS**

"Measurement Issues in Empirical Research: Improving Measures of Operations Strategy and Advanced Manufacturing Technology", with Mark Pagell, 1999 *Academy of Management Conference*, Chicago, August 10, 1999.

"Ethics Technology and Project Management", with Robert Jones, *The Fifth Annual International Conference Promoting Business Ethics*, Chicago, October 30, 1998.

"Strategic Consensus in the Plant: Marching to the beat of a Different Drummer?", with Chris McDermott, 1998 *Academy of Management Conference*, San Diego, August 12, 1998.

"Evolutionary Patterns of Flexible Automation and Performance: A Longitudinal Study", *Chinese University of Hong Kong*, March 6, 1998.

"Configurations in Operations Strategy Research: A Literature Review and Two Empirical Examples", Symposium Chair with Cecil Bozarth, Chris McDermott and Rebecca Duray as participants, 1997 *Academy of Management Conference*, Boston, August 12, 1997.

"Manufacturing Proactiveness and Performance", with G. Keong Leong and Peter Ward, *Cleveland State University*, November 12, 1993.

"Profile of a Proactive Manufacturer", with G. Keong Leong and Peter Ward, 1992 *Annual Meeting of the Production and Operations Management Society*, Orlando, October, 1992.

## **RESEARCH IN PROGRESS**

"A Note on Plant Size, Performance, and Investments in Advanced Manufacturing Technology", with Peter Ward, Invited for third review, *Journal of Engineering and Technology Management*, February, 1999.

"An Empirical Assessment of the Service Process Matrix", with Rohit Verma, invited for second review *Journal of Business Strategies*, July, 1999.

"Advanced Manufacturing Technology Investment Patterns", under review, *Production and Inventory Management*, February, 1999.

"E-Operations: How the Internet Streamlines Operations", under review, *Sloan Management Review*, August, 1999.

“Implementation Success Factors for Flexible Manufacturing Systems”, with Marianne Lewis.

## HONORS & AWARDS

- Received **Stan Hardy Award** for best paper published in operations management related journals (Decision Sciences, Journal of Operations Management) in 1996. Award presented for “Approaches to the Factory of the Future: An Empirical Taxonomy”, published in the *Journal of Operations Management*.
- 1997 Chan Hahn award for best paper in the Operations Management division at the Academy of Management conference. Award presented for “Advanced Manufacturing Technologies and Performance: A Longitudinal Analysis”.
- **First place, Student Paper Competition** (“Linking Machine and Process Flexibility in Manufacturing”), 1993 Southeast Decision Sciences Institute Conference, Chattanooga, February, 1993.
- Dissertation sponsored by the Computer and Automated Systems Association of the Society of Manufacturing Engineers (CASA/SME) and the Fabricators and Manufacturers Association, International (FMA).
- Financial support for dissertation provided by the Center for Excellence in Manufacturing Management, The Ohio State University.
- Inducted into *Beta Gamma Sigma*, business honorary society, May, 1995.
- University Fellowship, The Ohio State University, September, 1990 - August, 1991, competitive award.
- Participant, 1993 Decision Sciences Institute Doctoral Consortium, Washington D.C.
- Recipient, The Ohio State University, College of Business Ph.D. Award. Fund travel to the 1993 Meeting of the Decision Sciences Institute, November, 1993.
- 1994 Graduate Student Alumni Research Award, competitive grant to support dissertation research.
- “A Longitudinal Study of Advanced Manufacturing Technologies”, \$1943 Competitive Research Grant, DePaul University, November, 1995.
- “Incorporating Spreadsheet-based Quantitative Techniques into Business Management Courses”, with Rohit Verma, \$2500 Teaching Development Grant, DePaul University, November, 1995.
- “Operations Strategy Homogeneity and Performance: An Assessment of the Importance of Communication”, QRC Grant, DePaul University, \$2500.00 received in February, 1997.

## PROFESSIONAL ACTIVITIES

- Guest Editor, special issue on “Configurations in Operations Management: Taxonomies and Typologies”, *Journal of Operations Management*, submission deadline February 1, 1999.
- Session Chair, OM division Theme Session, “Change and Development: McDonald’s Launch of Made for You System”, *Academy of Management Conference*, Chicago, August 10, 1999.
- Associate Editor, *Journal of Operations Management*, 1998 – present.
- Editorial Review Board, *Production and Operations Management*, 1998 – present.

- Editorial Review Board, *Journal of Operations Management*, 1996 - Present.
- Editorial Review Board, *Quality Management Journal*, 1997 - Present.
- Proposal reviewer for National Science Foundation's "Transformations to Quality Organizations" program, 1997, 1998.
- Faculty presenter, *1996 Academy of Management - Operations Management Doctoral Consortium*, Cincinnati.
- Paper reviewer, 1996 Decision Sciences Institute Annual Meeting, Orlando, November, 1996.
- Paper reviewer, 1995 Decision Sciences Institute Annual Meeting, Boston November, 1995.
- Paper reviewer, 1994 Decision Sciences Institute Annual Meeting, Honolulu, Hawaii, November, 20-22, 1994.
- Discussant, "Computer Integrated Manufacturing - An Examination of the Issues Involved in Enterprise-wide Integration" by T. Ravichandran, 1994 Midwest Decision Sciences Institute Annual Meeting, Cleveland, Ohio, April 24-26, 1994.
- Paper reviewer, 1994 Midwest Decision Sciences Institute Annual Meeting, Cleveland, Ohio, April, 24-26, 1994.
- Discussant, "An Analysis of Finite Tool Life and Scheduling Heuristics in a Dual Resource Constrained Job Shop" by Steve Lyman, 1993 Midwest Decision Sciences Institute Annual Meeting, Lansing, Michigan, April 21-23, 1993.
- Discussant, "Information Technology Facilitates Delivery of Service Quality" by Rebecca Hendon, 1993 Midwest Decision Sciences Institute Annual Meeting, Lansing, Michigan, April 21-23, 1993.
- Reviewer, *Production and Operations Management*, *Decision Sciences*, *Journal of Operations Management*, *Production and Inventory Management* and *OMEGA* journals, 1993-present.
- Member, Decision Sciences Institute (DSI), The Institute of Management Sciences (TIMS), the Academy of Management and the Computer and Automated Systems Association of the Society of Manufacturing Engineers (CASA/SME).

## **BUSINESS EXPERIENCE**

Member, Board of Directors, **Eldorado Water Company**, Eldorado, Illinois

- June, 1989 - June, 1996
- Chairman of the Board, June, 1994 - June, 1996.
- President, July, 1995 - June, 1996.

Project Engineer, **General Dynamics Electric Boat Division**, Groton, Connecticut

- August, 1989 - August, 1990.
- Member of a team responsible for designing and developing the main condenser for the SSN21 SEAWOLF class nuclear attack submarine.

Design Engineer, **Newport News Shipbuilding and Dry Dock Company**, Newport News, Virginia

- June- August, 1988

## REFERENCES

Dr. Peter T. Ward  
Associate Professor of Operations Management  
Fisher College of Business  
Department of Management Sciences  
The Ohio State University  
2100 Neil Ave.  
Columbus, Ohio 43210  
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Wake Forest University  
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