

VITA

Timothy D. Fry

Department of Management Science
Moore School of Business
University of South Carolina
Columbia, South Carolina 29208
Telephone: (803) 777-2785

PERSONAL DATA

230 Summerset Drive
Chapin, South Carolina 29036
Telephone: (803) 345-0724

Date of Birth: March 17, 1955
Marital Status: Married, three children
Health: Excellent
Hobbies: Golf, Hunting, Fishing

EDUCATIONAL HISTORY

Ph.D., Production/Operations Management, University of Georgia, 1984.

MS, Clemson University, Major: Management Science, 1980.

BA, Clemson University, Major: Political Science, 1978.

ACADEMIC EXPERIENCE

1998 – Present: Professor of Management Science, University of South Carolina; Columbia, South Carolina.

1990 - 1998: Associate Professor of Management Science, University of South Carolina; Columbia, South Carolina.

1984 - 1989: Assistant Professor of Management Science, University of South Carolina; Columbia, South Carolina.

1987 7/20 - 8/21: Visiting Professor of Management Science, The Helsinki School of Economics and Business Administration; Helsinki, Finland.

1981 - 1984: Graduate Teaching Assistant of Management, University of Georgia; Athens, Georgia.

1980 - 1981: Instructor of Management, Georgia College; Milledgeville, Georgia.

INTERESTS

TEACHING

Shop Floor Control
Manufacturing Strategy
Production Activity Control
Production System Design
Basic Production/Operations Management
International Operations

RESEARCH

Cost Accounting and Manufacturing
Performance Measurement Systems
Labor Flexibility
Theory of Constraints
Just in Time Production
Shop Floor Control
Production Scheduling

PUBLICATIONS/RESEARCH ACTIVITIES

ARTICLES IN PRESS

“Accounting Based Heuristics for Order Processing and Review in a Stochastic Environment”, P.R. Philipoom and R.A. Leitch, International Journal of Production Research Accepted for publication July, 2006.

ARTICLES IN PRINT

“Opportunity Costing Decision Heuristics for Product Acceptance Decisions”, Robert A. Leitch, Patrick R. Philipoom and Timothy D. Fry, Journal of Management Accounting Research, 2005, Vol. 17, pp. 95-117.

“Comparisons Between Drum-Buffer-Rope and Materials Requirements Planning: A Case Study”, Daniel C. Steele, Patrick R. Philipoom, and Manoj K. Malhotra, International Journal of Production Research, 2005, Vo. 43, No. 15, pp. 3181-3208.

“Labor Flexibility and Assignment Policies in a Job Shop Having Incommensurable Objectives” with H.V. Kher, International Journal of Production Research. 2001, Vol. 39, No. 11, pp. 2295-2311.

“Multi-level Heterogeneous Worker Flexibility in a DRC Job Shop”, T.D. Fry, and J.T. Felan, 2001. International Journal of Production Research, 2001 Vol. 39, No. 14, pp. 3041 - 3059

- "Modeling Simultaneous Worker Learning and Forgetting in Dual Resource Constrained Systems", H.U. Kher, M.K. Malhotra, P.R. Philipoom and T.D. Fry; European Journal of Operational Research, 1999, Vol. 1, pp. 158 – 172.
- "Order Review/Release in the Absence of Adherence to Formal Scheduling Policies", P.R. Philipoom and T.D. Fry, Journal of Operations Management, 1999, No. 3, pp. 327 – 342.
- "The Use of Management Accounting Systems in Manufacturing", T.D. Fry, B.A. Saladin and S.C. Steele, International Journal of Production Research, 1998, Vol. 36, No. 2, pg. 503 – 525.
- "Order Review/Release and lot splitting in Drum-Buffer-Rope," G.R. Russell and T.D. Fry, International Journal of Production Research, 1997, Vol. 35, No. 3, pp. 827-845.
- "A Branch and Bound Procedure to Minimize Mean Absolute Lateness on a Single Processor", T.D. Fry, R.D. Armstrong, P.R. Philipoom and K. Darby-Dowman, Computers and OR, 1996, Vol. 23, No. 2, pp. 171-182.
- "Wall Street, Accounting and Their Impact on Manufacturing," T.D. Fry and D.C. Steele, International Journal of Production Economics, 1995, Vol. 40, pp. 37-44.
- "Managing Worker Flexibility and Attrition in Dual Resource Constrained Job Shops," Timothy D. Fry, Hemant K. Kher, and Manoj K. Malhotra, International Journal of Production Research, 1995, Vol. 33, No. 8, pp. 2163-2179.
- "The Role of Management Accounting in the Development of a Manufacturing Strategy," T.D. Fry, D.E. Steele, and B.A. Saladin, International Journal of Operations and Production Management, 1995, Vol. 15, No. 12, pp. 21-31.
- "Japanese Manufacturing Performance Criteria", T.D. Fry, International Journal of Production Research, 1995, Vol. 33, No. 4, pp. 933-954.
- "A Service Oriented Manufacturing Strategy", T.D. Fry, D.C. Steele, and B.A. Saladin, International Journal of Operations and Production Management, 1994, Vol. 14, No. 10, pp. 17-29.
- "The Rise and Fall of Time-Based Manufacturing", T.D. Fry, W. Baker, and K. Karwan, Management Accounting, June, 1994, pp. 56-59.
- "Labor Flexibility and Staffing Levels in a Dual-Resource Constrained Job-Shop," with J.T. Felan and P.R. Philipoom, International Journal of Production Research, 1993, Vol. 31, No. 10, pp. 2487-2506.
- "A Comparison of Two Intelligent Scheduling Systems For Flexible Manufacturing Systems," Allen E. Smith, Timothy D. Fry, James Sweigart and Patrick Philipoom, Expert Systems With Applications, 1993, Vol. 6, pp. 299-308.

- "The Impact of Learning and Labor Attrition on Worker Flexibility in Dual Resource Constrained Job Shops," M.K. Malhotra, T.D. Fry, and H. Kher, Decision Sciences, 1993, Vol. 24, No. 3, pp. 641-663.
- "Performance Measurement Systems and Time-Based Manufacturing", T.D. Fry, K. Karwan, and W. Baker, Production Planning and Control, 1993, Vol. 4, No. 2, pp. 102-111.
- "Capacity Allocation Strategies in a Hypothetical Job Shop," T.D. Fry and G.R. Russell, International Journal of Production Research, 1993, Vol. 31, No. 5, pp. 1097-1115.
- "Analysis and Discussion of the Optimized Production Technology Software", T.D. Fry, J. Cox, and J.H. Blackstone, Production and Operations Management, 1992, Vol. 1, No. 2, pp. 229-242.
- "Capacity Based Order Review/Release Strategies to Improve Manufacturing Performance," Patrick R. Philipoom and Timothy D. Fry, International Journal of Production Research, 1992, Vol. 30, No. 11, pp. 2559-2572.
- "Manufacturing Performance and Cost Accounting", Production and Inventory Management Journal, 1992, Vol. 33, No. 3, pp. 30-35.
- "Implementing Drum-Buffer-Rope to Control Manufacturing Lead Time," T.D. Fry, K. Karwan, and D. Steele, The International Journal of Logistics Management, 1991, Vol. 2, No. 1, pp. 12-18.
- "Tax Restructuring and Ethics in Management Science: A Reply to Arthur," J.J. Chrisman, R. Weinstein, T.D. Fry, G.R. Reeves, and H.S. Lewis, Interfaces, 1991, Vol. 21, No. 2, pp 87-92.
- "A Preliminary Investigation of Multi-Attribute Based Sequencing Rules for Assembly Shops," R.S. Russell, P.R. Philipoom, and T.D. Fry, International Journal of Production Research, 1991, Vol. 29, No. 4, pp. 739-753.
- "The Robustness of Selected Job Shop Dispatching Rules with Respect to Work Flow Structure and Load Balance," P.R. Philipoom and T.D. Fry, Journal of the Operational Research Society, 1990, Vol. 41, No. 10, pp. 897-906.
- "A Note on Single Machine Scheduling: A Comparison of Two Solution Procedures," T.D. Fry, OMEGA, 1990, Vol. 18, No. 1, pp. 106-107.
- "Controlling Input - The Real Key to Shorter Lead Times," T.D. Fry, International Journal of Logistics Management, 1990, Vol. 1, No. 1, pp. 7-12.
- "Single Machine Scheduling to Minimize Mean Absolute Lateness: A Heuristic Solution," T.D. Fry, R.D. Armstrong, and L.D. Rosen, Computers and OR, 1990, Vol. 17, No. 1, pp. 105-112.
- "Sequencing Rules, Progress Milestones, and Product Structure in a Multistage Job Shop," T.D. Fry, P.R. Philipoom and R.E. Markland, Journal of Operations Management, 1989, Vol. 8, No. 3, pp. 209-229.
- "A Framework for Multiobjective Single Machine Sequencing Research," T.D. Fry, R.D. Armstrong and H.S. Lewis, OMEGA, 1989, Vol. 17, No. 6, pp. 595-607.

- "Due Date Assignment in a Multi-stage Job Shop," P.R. Philipoom, R.E. Markland and T.D. Fry, IIE Transactions, 1989, Vol. 21, No. 2, pp. 153-161.
- "FMS Implementation Procedure: A Case Study," T.D. Fry and A.E. Smith, IIE Transactions, 1989, Vol. 21, No. 3, pp. 288-293.
- "A Dispatching Rule to Allow Tradeoffs Between Inventory and Customer Satisfaction," T.D. Fry and P.R. Philipoom, International Journal of Operations and Production Management, 1989, Vol. 9, No. 7, pp. 72-78.
- "A Multiobjective Linear Programming Methodology for Public Sector Tax Planning," J.J. Chrisman, T.D. Fry, G.R. Reeves, H.S. Lewis and R. Weinstein, Interfaces, 1989, Vol. 19, No. 5, pp. 13-22.
- "Manufacturing Performance: Local Versus Global Measurements," T.D. Fry and J.F. Cox, Production and Inventory Management Journal, 1989, Vol. 30, No. 2, pp. 52-57.
- "The Effects of Product Structure and Sequencing Rules on Assembly Job-Shop Performance," T.D. Fry, M.D. Oliff, E.D. Minor and G.K. Leong, International Journal of Production Research, 1989, Vol. 27, No. 4, pp. 671-686.
- "A Heuristic Solution Procedure to Minimize T on a Single Machine," T.D. Fry, L. Vicens, K. MacLeod and S. Fernandez, Journal of the Operational Research Society, 1989, Vol. 40, No. 2, pp. 293-297.
- "Planning for Idle Time: A Rationale for Underutilization of Capacity," T.D. Fry and J.H. Blackstone, International Journal of Production Research, 1988, Vol. 26, No. 12, pp. 1853-1859.
- "Dispatching in a Multistage Job-Shop where Machine Capacities are Unbalanced," T.D. Fry, P.R. Philipoom and R.E. Markland, International Journal of Production Research, 1988, Vol. 26, No. 7, pp. 1193-1223.
- "A Simulation Study of Processing Time Dispatching Rules," T.D. Fry, P.R. Philipoom and J.H. Blackstone, Journal of Operations Management, 1987, Vol. 7, No. 4, pp. 77-92.
- "Minimizing Weighted Absolute Deviation in Single Machine Scheduling," T.D. Fry, R.D. Armstrong and J.H. Blackstone, IIE Transactions, 1987, Vol. 19, No. 4, pp. 445-449.
- "A Procedure for Implementing Input/Output Controls: A Case Study," T.D. Fry and A.E. Smith, Production and Inventory Management Journal, 1987, Vol. 28, No. 4, pp. 50-52.
- "A Successful Implementation of Group Technology and Cell Manufacturing," T.D. Fry, M.G. Wilson and M.D. Breen, Production and Inventory Management Journal, 1987, Vol. 28, No. 3, pp. 4-6.
- "An Investigation of Bottleneck Position in a Multistage Job Shop," T.D. Fry, P.R. Philipoom, G.K. Leong and A.E. Smith, International Journal of Operations and Production Management, 1987, Vol. 7, No. 6, pp. 55-63.

"A Bi-Criterion Approach to Minimize Inventory Costs on a Single Machine When Early Shipments are Forbidden," T.D. Fry and G.K. Leong, Computers and Operations Research, 1987, Vol. 14, No. 5, pp. 363-368.

"Single Machine Scheduling: A Comparison of Two Solution Procedures," T.D. Fry, T.R. Rakes and G.K. Leong, OMEGA, 1987, Vol. 15, No. 4, pp. 277-282.

"Bi-Criterion Single Machine Scheduling with Forbidden Early Shipments," T.D. Fry and G.K. Leong, Engineering Costs and Production Science, 1986, Vol. 10, pp. 133-137.

"Improving Human Resources and Career Planning Through the Application of Fractional Flow Modeling", T.W. Zimmerer and T.D. Fry, Appalachian Business Review, 1982, Vol. 9, No. 3, pp 13 – 19.

HONORS, AWARDS AND PROFESSIONAL ACTIVITIES

Outstanding Paper 1990 Southeast Region of the Decision Sciences Institute

Vice-President 1993 Southeast Region of the Decision Sciences Institute

Romy Everdell Award: Awarded by the American Production and Inventory Control Society (APICS) for Outstanding Journalistic Achievement; 1989.

CIBER Research Fellow: Awarded by the Center for International Business Education and Research; 1990-91.

Research Fellowship: Awarded by the College of Business Administration at the University of South Carolina; 8/89 - 12/89.

American Production and Inventory Control Society: CPIM, President Mid-Carolina Chapter (1987 - 1989).