

Peter L. Jackson

Associate Professor
School of Operations Research and Industrial Engineering
Cornell University
Rhodes Hall 218, Ithaca, NY 14853
(607) 255-9122
pj16@cornell.edu
WWW: <http://www.orie.cornell.edu:80/~jackson>

Education:

B.A., Honors Economics with Mathematics, University of Western Ontario, Canada, June 1975
M.S., Statistics, Stanford University, California, June 1978
Ph.D., Operations Research, Stanford University, California, June 1978

Professional Experience:

7/86-present, Associate Professor, ORIE, Cornell University
Jan. 1988-June 1988, Visiting Professor, European Institute for Advanced Studies in Management, Brussels, Belgium
Sept. 1987-June 1988, Visiting Professor, Department of Applied Economics, Catholic University of Leuven, Belgium
Sept. 1980-June 1986, Assistant Professor, ORIE, Cornell University

Honors:

1998, ORIE Master of Engineering Outstanding Teaching Award
1996, IIE Transactions Best Paper Award (with M.A. Hariga)
1996, College of Engineering Outstanding Teaching Award
1993, ASEE Excellence in Teaching Award, St. Lawrence Chapter
1990, EDUCOM/NCRIPTAL Distinguished Curriculum Innovation in Engineering Award for "The Manufacturing System Development Game" (with J. Muckstadt and J. Jenner)
1987, 1991, 1999, Dean's Prize for Innovation in Teaching
1986, 1987, 1990, 1993, IIE Chapter Award: Outstanding Professor in School of OR&IE

Research Support:

NSF, 1981-1982
Cornell Manufacturing Engineering and Productivity Program, 1985-1987.
NSF, 1985-1997
General Motors Corporation, 1997-2002

Course Development/Teaching Laboratory Support:

O'Hart Fund 1995.
AT&T Foundation 1988-1996.
Hatfield Fund to Enhance Undergraduate Economics Education, 1985, 1992, 1993.
I.B.M. Corporation, 1985, 1989.
Sloan Foundation, 1992, 1993.
Rhodes Hall Multimedia Teaching Laboratory, 1997.

Publications:

(1980) "Pricing Underemployed Capacity in a Linear Economic Model" (with George B. Dantzig), in R.W. Cottle, F. Giannessi, and J-L. Lions (eds.), *Variational Inequalities and Complementarity Problems: Theory and Applications*, John Wiley and Sons, New York, 127-134.
(1984) "Debt vs. Equity in a Simple Model with Transaction Costs, I: Form of the Optimal Policy," *O.R. Letters*, Vol. 3, No. 5 (December), 251-256.
(1985) "The Joint Replenishment Problem with a Powers-of-Two Restriction" (with William Maxwell and John Muckstadt), *IIE Transactions*, Vol. 17, No. 1 (March), 25-32.
(1987) "Revised Dantzig-Wolfe Decomposition for Staircase-Structured Linear Programs" (with David Lynch), *Mathematical Programming*, 39, 157-179.

- (1988) "Determining Optimal Reorder Intervals in Capacitated Production-Distribution Systems" (with William Maxwell and John Muckstadt), *Management Science*, 34, No. 8 (August), 938-958.
- (1988) "Stock Allocation in a Two Echelon Distribution System, or What to Do Until Your Ship Comes In," *Management Science*, 34, No. 7 (July), 880-895.
- (1989) "Risk Pooling in a Two-Period, Two-Echelon Inventory Stocking Problem" (with John Muckstadt), *Naval Research Logistics Quarterly*, 36, 1-26.
- (1989) "COSMOS: A Framework for a Computer Aided Logistics System" (with C. Jones and J. Muckstadt), *Journal of Manufacturing and Operations Management*, 2, 222-248.
- (1991) "Minimizing Separable Convex Objectives on Arbitrarily Directed Trees of Variable Upper Bound Constraints" (with Robin Roundy), *Mathematics of Operations Research*, 16, No. 3, 504-533.
- (1991) "The Cumulative Flow Plot: Understanding Basic Concepts in Material Flow," *Tijdschrift voor Economie en Management*, 36, No. 3, 311-344.
- (1992) "On the Convexity of a Function Related to the Wagner-Whitin Model" (with L. Tuncel), *O.R. Letters*.
- (1994) "Modelling the Evolution of Demand Forecasts with Application to Safety Stock Analysis in Production/Distribution Systems" (with David C. Heath), *IIE Transactions*, 26, No. 3, 17-30.
- (1995) "Time Variant Lot Sizing Models for the Warehouse Scheduling Problem" (with M.A. Hariga), *IIE Transactions*, 27, 162-170.
- (1995) "Experiential Learning in Manufacturing System Design" (with J. Muckstadt), *Technology Management*, 1, No. 5, 196-199.
- (1996) "Estimating Performance Measures in Stochastic Cyclic Schedules" (with U. Rao), *IIE Transactions* 28, 929-939.
- (1996) "The Warehouse Scheduling Problem Formulation and Algorithms" (with M.A. Hariga), *IIE Transactions*, 28, 2, 115-127.
- (1999) "A Review of the Stochastic Lot Scheduling Problem" (with C. Sox, A. Bowman and J. Muckstadt), *International Journal of Production Economics*, 62, 181-200.

Doctoral Students:

David Lynch, 1984.
 Gene Sand, 1984.
 Moncer Hariga, 1988.
 Andrew So, 1989.
 Alisha Weathers-Waller, 1992.
 Uday Rao, 1992.
 Kathryn Caggiano, 1998.
 Pan Chen, 2000
 Dietrich Chen, 2000

Professional Activities:

Associate Editor, *Operations Research*, 1988-1990
 Journal Referee: *AIIE Transactions*, *International Journal of Production Research*, *Management Science*, *Naval Research Logistics Quarterly*, *Operations Research*, *Operations Research Letters*
 Organizer, Workshops on Experiential Learning in Mfg. System Design, 1992-1997
 Referee for Three Tenure Considerations
 Associate Editor of *IIE Transactions*, 1985
 Member, Dissertation Committee, University of Ghent, Belgium, 1998
 Member, Dissertation Committee, K.U.L., Belgium, 1996
 Member, Ad Hoc Committee on Research Issues in Distribution Systems, 1985

Consulting:

Chicago Pneumatic Tool, 1985
 Quaker Oats, 1991
 Aeroquip, 1994, 1995
 KPMG, 1995
 Murray, Inc. 1995
 General Motors, 1996-1999
 Clopay, 1996-2001

Lockheed-Martin, 1998-1999
Xelus, 2001-2002