

John Burton Larsen
Operations Management

299 Hoffman Drive
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EDUCATION

The University of Texas at Austin

Ph.D. 19883-1989

Major: Operations Management

Minor – Operations Research

Supporting Field – Decision Analysis

Dissertation:

A Decision Tree Approach to Maintaining A Deteriorating Physical System

M.B.A. Program (September 1981 – August 1983)

The University of Virginia

B.A. in Physics 1974-1978

RESEARCH INTERESTS

Operations Management, Decision Making Under Uncertainty, Partially Observable Markov Decision Processes, Maintenance Systems

EMPLOYMENT

Florida State University (September 2002 to present)

Adjunct Professor

Teaching: MAN 3504 – Services Operations Management

QMB 4700 – Operations Research

The Homebrew Den (OWNER) (September 1993 to Present)

A retail store providing equipment, ingredients and advice for people who make their own beer and/or wine at home. I am in charge of ALL activities; strategic planning, inventory management, sales, marketing, tax preparation, etc.

Florida State University

Assistant Professor (August 1991- May 1996)

Teaching: Operations Management and Operations Research at both the Undergraduate and Master's levels. Distribution and Logistics at the Undergraduate level.

Indiana University

Assistant Professor (September 1987 – July 1991)

Teaching: Undergraduate - Operations Management
MBA – Service Operations Management (elective)
Operations Management (Core)

The University of Texas at Austin

Assistant Instructor (January 1986- August 1987)

Taught: Undergraduate Operations Management. Responsible for designing the course, planning and delivering lectures, developing and evaluating examinations.

Research Assistant (June 1983- August 1986)

The research concerns the behavior of human decision makers in a dynamic decision context, specifically a medical decision-making situation. My major responsibilities included assisting in coding the program which simulated the task environment and coding a Bayesian Decision Support System.

Lockheed Missile and Space Corporation

Austin, Texas

Research Engineer (June 1985 – August 1985)

Worked on a committee to integrate a new manufacturing computer system into the company's operations; involved analyses of the company's operations and designing interfaces with existing computer systems.

Research Engineer (June 1984 – August 1984)

Worked on a committee to select a computer system for manufacturing and supporting systems.

Howmet Turbine Components Corporation

Hampton, VA

Process Engineer (July 1979 – July 1981)

Monitored existing production processes; ensured that new processes met customer specifications; dispositioned questionable casting for scrap or re-work; non-destructive testing (X-ray, Fluorescent Penetrant)

PAPERS

John B. Larsen and James S. Dyer, "Dynamic Maintenance of a Deteriorating System Under Uncertainty:, in *Perspectives in Operations Management: Essays in Honor of Elwood S. Buffa*, edited by R. Sarin, Kluwer Academic Publishers, Boston, MA 1993.

John B. Larsen and James S. Dyer, "Using Extensive Form Analysis to Solve Partially Observable Markov Decision Problems," University of Texas at Austin, Department of Management Science and Information Systems, Working Paper 90/91-3-1.

James S. Dyer, Richard N. Lund, John B. Larsen, V. Kumar, and Robert P. Leone, "A Decision Support System for Prioritizing Oil and Gas Exploration Activities", *Operations Research*, May-June 1990.

James S. Dyer and John B. Larsen, "Using Multiple Objectives to Approximate Normative Models," *Annals of Operations Research*, 1984.

Don Kleinmuntz and John B. Larsen, "DOC: A Computer Program for Studying Decision Making in a Medical Context," University of Texas at Austin, Department of Management, Working Paper 84/85 4-7

John B. Larsen, "The Use of Artificial Intelligence Search Methods for Solving Decision Trees," *Proceedings of the 1986 Decision Sciences Institute Conference*, Honolulu, Hawaii

CONFERENCE PRESENTATIONS

"Decomposition Approach to Solving a Maintenance Problem Under Uncertainty, 1992 ORSA/TIMS Conference, San Francisco, CA

"Decision Trees and Partially Observable Markov Decision Processes," 1991 TIMS/ORSA Conference, Nashville, TN

"Epsilon-Optimal Solution Procedures for Solving Decision Trees, " 1989 ORSA/TIMS Conference, New York, New York

"Estimating the Value of Information Provided by Oil and Gas Exploration Activities:, 1989 ORSA/TIMS Conference, New York, New York. With James S. Dyer, Robert P. Leone, Richard N. Lund, and V. Kumar.

Session Chairman, AI for Decision Making and Model Recognition, 1986
Decision Sciences Institute Conference, Honolulu, Hawaii

With J. J. Brennan, "A Two-Heap Structure for the Clarke-Wright Algorithm:
1986 ORSA/TIMS Conference, Los Angeles, CA

With James S. Dyer, and Richard N. Lund, "Amoco Production Company
Resource Allocation Model," 1984 ORSA/TIMS Conference, Dallas, Texas

With Don Kleinmuntz and James S. Dyer, "A Microcomputer-Based paradigm for
Studying Maintenance Decisions," 1984 ORSA/TIMS Conference, Dallas,
Texas

With Don Kleinmuntz, "A Microcomputer-Based Investigation of Dynamic
Decision Making," 1984 Judgment/Decision Making Conference, San
Antonio, Texas

REFREE EXPERIENCE

Management Science

Decision Sciences

European Journal of Operations Research

Decision Sciences 1986 National Conference, Honolulu, Hawaii

Decision Sciences 1988 Midwest Region Conference, Louisville, Kentucky

Decision Sciences, 1988 National Conference, Las Vegas, Nevada

Decision Sciences 1989 National Conference, New Orleans, Louisiana

CONSULTING EXPERIENCE

Standard Oil of Indiana September to December 1983

Wrote computer program to implement manpower allocation model.

HONORS AND AWARDS

The University of Texas at Austin ~ Sord Scholar, Phi Kappa Phi

The University of Virginia ~ Echols Scholar