

February 2014

CURRICULUM VITAE

Yehuda Bassok

Office: Department of Information and Operations Management
Marshall School of Business
University of Southern California
Los Angeles, CA 90089
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Education

- 1990 Ph.D. Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, Pennsylvania.
Dissertation Title: "Production/Inventory Systems with Random demands and unreliable supplies."
Under the supervision of Prof. Ramakrishna Akella.
- 1973 B.Sc. Mathematics and Computer Science. The Hebrew University, Jerusalem, Israel.
- 1973 B.A. Economics. The Hebrew University, Jerusalem, Israel.

Research Interest

Developing Human Capacity for Health care Delivery in low income countries
Management of health delivery Systems in LMIC
Integrated Manufacturing/Distribution Systems.
Role of information and incentives in supply chains
Applied game theory
Multi-Echelon Inventory System.
Design of the supply process.
Negotiation
Yield Management.

Employment

- 2003- University of Southern California, Full Prof., Department of Information and Operations Management.
- 1999-2003 University of Southern California, Associate Prof., Department of Information and Operations Management.
- 1997-1999 University of Washington, Hansen-Visiting-Chair Prof., Department of Management Science, School of Business Administration
- 1991-1997 Northwestern University, Assistant Professor Department of Industrial Engineering and Management Science.
- Summer 1995 IBM Research Center, Yorktown heights.

- 1980-1987 SES, Tel Aviv, Israel and Dallas, Texas.
Principle system analyst and project manager.
- 1975-1980 Cactus Textile, Jerusalem, Israel.
Established and owned a textile company that produced sports-wear in Israel for export to Europe.

University Activities

Director of the Master of Science in Business Analytics 2013 - 2015

Chair of the IOM department 2009-

Chair of the PEG committee for Prof. Sosic tenure case (2008)

Responsible for teaching assignments for the OM group (2008)

Member of Marshall mentoring committee (2008-2009)

Marshall Dean Search Committee (2007)

Chair of the IOM Department (2004-2006)

Research Committee, Marshall School of Business (2003)

Research Seminars, Marshall School of Business (2002-2003).

Undergraduate Curriculum Committee, McCormick School of Engineering (1995-1997)

Academic Standing Committee, McCormick School of Engineering (1993-1995)

Advisor of the IIE student chapter, (1993 -1995)

Advisor of the APICS student chapter (1992-1994)

Student advisor for the honors Program (1993-1997).

Awards

The Golden apple Teaching award: Best teacher in the MBA Core (2003)

Marshall School of Business Faculty award for innovation in teaching (2001)

The Golden apple Teaching award (honorable mention): Best teacher in the MBA Core (2001)

The IIE chapter award for best undergraduate teacher in the department of Industrial Engineering and Management Science (1991)

The ORSA chapter award for best graduate teacher in the department of Industrial Engineering and Management Science (1992)

Professional Activities

Organized the 7th Global Health Supply Chains summit (2015) in Dakar, Senegal. About 250 participants from all over the world

Taught and developed training programs, for pharmacists and physicians, at the University of Benin, Nigeria (March 2014). The main objective was to teach Pharmacists the basics of management principles of health delivery

Organized the 7th Global Health Supply Chains summit (2014) in Copenhagen, Denmark. About 250 participants from all over the world

Taught a development program for University of Buea, Cameroon (March, 2013). The main objective was to teach Pharmacists the basics of management of health delivery

Taught a development program Liberia (July, 2013). The main objective was to teach Pharmacists the basics of management of health delivery

Organized the 6th Global Health Supply Chains summit (2013) in Addis Ababa, Ethiopia. About 250 participants from all over the world

Organized the 5th Global Health Supply Chains summit (2012) in Kigali Rwanda. About 200 participants from all over the world

On the advisory board of People that Deliver (2011). A group within USAID that is responsible for health care supply chain activities in low and middle income countries.

Organized (with Prof. Dasu) the 4th Global Health Supply Chains summit (2011). About 100 participants from all over the world

Program Committee Supply Chain Thought Leaders, Madrid Spain (2008)

Organized (with Prof. S. Rajagopalan) the M&SOM Conference at the Marshall School of Business, University of Southern California (2003)

Marshall School of Business, University of Southern California (2003)

Organized (with Prof. M. Spearman) the Multi-Echelon Conference at Northwestern University (1992)

Organized the Multi-Echelon Conference at Carnegie Mellon University (1994)

Organized (with Prof. Moinzadeh) the Milti-Echelon Conference at University of Washington (1998)

Member of the “Best Student Paper”, Technical Section of Manufacturing,
ORSA (1994)

Member, “Best Student Paper”, Technical Section of Manufacturing,
ORSA (1995)

Associate editor (past and present):

Operations research
M&SOM
POMS
Naval research Logistics

Referee for:

Management Science
Operations Research
Navel Research Logistics
European Journal of Operations Research
IIE Transactions
The Journal of Production and Operations Management.

Professional Affiliations

Member of: Institute for Operations Research and Management
Sciences.

Council of Logistics Management.

Refereed Publications

Bassok, Y. (2011): “Procurement contracts” in Wiley Encyclopedia of
Operations Research and Management Science.

Bassok, Y., R. Anupindi. (2008) "Analysis of Supply Contracts with
Commitments and Flexibility" *Naval Research Logistics*, Vol. 55: pp. 459–477.

Anand Krishnan, R. Anupindi and Y. Bassok (2003) “Strategic Inventories in
Procurement Contracts”. *Management Science* (2008)

Nagarajan, M. and Y. Bassok (2002) “A Bargaining Framework in Supply Chains
(The Assembly Problem). *Management Science* (2008).

Lembeke, R., and Y. Bassok (2003) "Late Customization; When and How
Much?," *European Journal of Operations Research* (2004);

Barnes-Schuster, D., Y. Bassok, and R. Anupindi (2002) “Coordination and
Flexibility in Supply Contracts with Options” *M&SOM*. Vol. 4 #3

Anupindi, R., Y. Bassok and E. Zemel (2001) “Study of Decentralized
Distribution Systems: Part I-A General Framework”. *M&SOM*. Vol.3 #4

Rohatgi, M. Y. Bassok and W. Hopp (2002) "A simple Linear Heuristic for the Service Constrained Random Yield Problem" *IIE Transactions* Vol. 34 #5, May 2002.

Barnes-Schuster, D., Y. Bassok, and R. Anupindi (2002) "Optimizing Delivery Lead Time/Inventory Placement in a Two Stage Production/Distribution System" Accepted for publication in *European Journal of Operation research*

Anupindi, R. and Y. Bassok. (1999) "Centralization of Stocks: Retailer vs. Manufacturer," *Management Science*. Vol. 45, #2, February 1999

Bassok, Y., R. Anupindi, and R. Akella. (1999) "Multi-product Inventory Models with Demands Substitution," *Operations Research*. Vol. 47, #4 July-August 1999.

Hsu, A., and Y. Bassok (1999) "A Multi-Product Production System with Random Yield and Substitution," *Operations Research*, Vol. 47, #2, March-April 1999

Anupindi, R. and Y. Bassok. (1998) "Approximations for Multi-products Contracts with Stochastic Demand and Business Volume Discounts: Single Supplier case," *IIE Transactions*, Vol. 30 #8 August 1998.

Duenyas, I, W. Hopp and Y. Bassok, (1997) "Production Quotas as Limits on Interplant JIT Contracts," *Management Science*, 1997. Vol. 43, #10 October 1997

Bassok, Y., A. Bixby, R. Srinivasan and H. Weisel (1997) "Supply Contracts and Production Flexibility," *IBM Journal of Research*. Vol. 47, #6, November 1997

Anupindi, R. and Y. Bassok. (1997) "Analysis of Supply Contracts with Total Minimum Commitment and Flexibility," In the proceeding of the 2nd International Symposium on Logistics. University of Nottingham, UK.

Barnes-Schuster, D., and Y. Bassok. (1996) "Direct Shipping and Dynamic Single-Depot/Multi-Retailer Inventory System," *European Journal of Operations Research*, 1996.

Bassok, Y., and R. Anupindi. (1995) "Supply Chain Management with Minimum Purchasing Commitment," *IIE Transactions*. Vol. 29, #5, 1995

Bassok, Y., and R., Ernst (1995) "Dynamic Allocations for Multi-Product Distribution," *Transportation Science*, Vol. 37, No. 3, 1995

Bassok, Y. and R. Akella. (1991) "Ordering and Production Decisions with Supply Quality and Demand Uncertainty," *Management Science* Vol. 37 # 12 December 1991.

Akella, R., M. Singh and Y. Bassok. (1988) "Real Time Part Dispatch in Flexible Assembly, Test and Manufacturing Systems," *AI in Manufacturing*, pp. 297-337, IIE and IEEE press.

Bassok, Y. and R. Akella. (1988) "Joint Inventory and Production Decisions with Supply Quality and Demand Uncertainties," *IEEE Conference of Decision and Control*.

Papers Submitted for Publication

Feng Chen, Y. Bassok “Variety and Substitution” Submitted to the European Journal Of Operations Research

Y. Bassok, S. Dasu and O. Ryes A Forecasting the Need and Usage of a New Drug: The Case of Introducing Misoprostol in a Low Income Country. Submitted to: The Lancet Global Health

Working Papers

Y. Bassok, S. Dasu and O. Ryes A Frame Work for Forecasting the Demand for new Drugs in Low Income Countries

Y. Bassok and S. Dasu: A New supply Chain for Vaccination (2011). This manuscript was the basis for a proposal submitted to the Bill and Melinda Gates Foundation.

Y. Bassok and S. Dasu: “Advanced Market Commitment: Incentives Risks and Corruption” (In final stages of preparation)

Chen, F., Bassok, Y. “The Bargaining Power of Coalitions”. Submitted for publication to Management Science

Anand Krishnan, R. Anupindi and Y. Bassok “Externality Effects and Strategic Inventories in Procurement Contracts for Multiple Markets”

Anupindi, R., Y. Bassok and R. Srinivasan “Fast Methods to Solve the Finite - Horizon problem with Component Commonality”

Anand Krishnan, R. Anupindi and Y. Bassok “Long Term vs. Short Term Contracts”.

Book Chapters

Yehuda Bassok “Procurement Contract” (2010). Willey Encyclopedia of Operations Research and Management Science

R. Anupindi and Y. Bassok (1998) “ Supply Contracts with Quantity Commitments and Stochastic Demand” In Quantitative Models for Supply Chain Management. Edited by S. Tayur, R. Ganesham and M. Magazine. Kluwer’s International series.

Bargaining and Alliances in Supply Chains. In Consumer Driven Electronic Transformation. By G. J. Doukidis and A. P. Vrechpoulos (Ed)

Executive Education and Seminars

Designing and Managing the Supply Chain (With Prof. D. Simchi Levi) (1995). McCormick School of Engineering, Northwestern University, Continuing Professional Development.

Designing and Managing the Supply Chain (With Prof. D. Simchi Levi) (1995). The Rekanati Business School, Tel-Aviv University, Israel.

Substitution Models (1992). IBM Research Center, Yorktown Heights.

Optimal Scheduling of People and Facilities in a New Walt Disney Theme Park. (1994). McCormick School of Engineering and Applied Sciences, Technology Review.

Supply Contracts (1994). IBM Research Center, Yorktown Heights, NY..

Supply Chain Management (1995). IBM Research Center, Yorktown Heights, NY.

Supplier Management (1995). Fairchild Industries, Los Angeles, California.

MRP System (1996). Fairchild Industries, Los Angeles, California.

MRP System (1997). Fairchild Industries, Los Angeles, California

Sponsored Research

Multiproduct Inventory Models with Demand Substitution
Source: National Science Foundation (Research Initiation Award)
Total Funded Amount: \$100,000
Support Period: 6/31/95-6/31/95

Yield Management
Source: United Air Lines
Total Funded amount \$12,000
Support period: 11/01/94-03/01/95

Development of a Computerized System for Production Scheduling
Source: SNC Electric
(With Prof. D. Simchi Levi)
Total amount funded \$35000
Support period: 1994-1995

Yield Management
Source: United Air Lines
Total Funded amount \$25,000
Support period 7/31/95-5/31/96

Ph.D. Thesis Supervision

University of Southern California

Mahesh Nagarajan (with Prof. S. Rajagopalan) Graduated July, 2003
(First appointment at university of British Columbia)

Xia Nan Graduated July, 2008

Feng Chen Graduated December,
2008

Northwestern University

Ron Lembke (with Prof. M. Daskin) Graduated October, 1995
(First appointment at university of Nevada @Reno)

Dawn Barnes Schuster Graduated May, 1996
(First appointment at University of Chicago)

Brian Montiero Graduated May, 1996

Menisha Warke (with Prof. W. Hopp) Graduated 1997
(First appointment at University of Iowa)