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PROFESSIONAL EXPERIENCE

Duke University, The Fuqua School of Business
Associate Professor, July 2004 – present
Assistant Professor, July 2000 – June 2004

Northwest Airlines, Operations Research Group
Summer, 1998

EDUCATION

Columbia University, New York, NY
Graduate School of Business
Ph.D., Operations Management, 2001
Dissertation: “Coordination Mechanisms and Equilibrium Performance in
Supply Chains with Retailer Competition”
Advisor: Awi Federgruen

University of Buenos Aires, Buenos Aires, Argentina
Department of Mathematics
Licentiate in Mathematics, 1995

RESEARCH PUBLICATIONS

Publications

F. Bernstein and A. Federgruen (2003), “Pricing and Replenishment Strategies in a Distribution System with Competing Retailers,” *Operations Research*, 51, 3, 409-426.

F. Bernstein and A. Federgruen (2004), “Dynamic Inventory and Pricing Models for Competing Retailers,” *Naval Research Logistics*, 51, 2, 258-274.

F. Bernstein and A. Federgruen (2004), “Comparative Statics, Strategic Complements and Substitutes in Oligopolies,” *Journal of Mathematical Economics*, 40, 6, 713-746.

- F. Bernstein and G. DeCroix (2004), “Decentralized Pricing and Capacity Decisions in a Multitier System with Modular Assembly,” *Management Science*, 50, 9, 1293-1308.
- F. Bernstein and A. Federgruen (2004), “A General Equilibrium Model for Industries with Price and Service Competition,” *Operations Research*, 52, 6, 868-886.
- F. Bernstein and A. Federgruen (2005), “Decentralized Supply Chains with Competing Retailers under Demand Uncertainty,” *Management Science*, 51, 1, 18-29.
- F. Bernstein and G. DeCroix (2006), “Inventory Policies in a Decentralized Assembly System,” *Operations Research*, 54, 2, 324-336.
- F. Bernstein, F. Chen and A. Federgruen (2006), “Coordinating Supply Chains with Simple Pricing Schemes: The Role of Vendor Managed Inventories.” *Management Science*, 52, 10, 1483-1492.
- F. Bernstein, G. DeCroix, and Y. Wang (2007), “Incentives and Commonality in a Decentralized Multi-Product Assembly System.” *Operations Research*, 55, 4, 630-646.
- F. Bernstein and A. Federgruen (2007), “Coordination Mechanisms for Supply Chains under Price and Service Competition.” *Manufacturing and Service Operations Management*, 9, 3, 242-262.
- F. Bernstein and F. de Véricourt (2008), “Competition for Procurement Contracts with Service Guarantees.” *Operations Research*, 56, 3, 562-575.
- F. Bernstein, J-S. Song, and X. Zheng (2008), “Bricks-and-Mortar vs. Clicks-and-Mortar – An Equilibrium Analysis.” *European Journal of Operational Research*, 187, 671-690.
- F. Bernstein and G. Kök (2009), “Dynamic Cost Reduction through Process Improvement in Assembly Networks.” *Management Science*, 55, 4, 552-567.
- F. Bernstein, J-S. Song, and X. Zheng, “Free-Riding in a Multi-Channel Supply Chain.” Forthcoming in *Naval Research Logistics*.
- F. Bernstein (2009), “Pricing and Replenishment Decisions.” Invited survey chapter. Forthcoming in the *Wiley Encyclopedia of Operations Research and Management Science*.

Working Papers

- F. Bernstein, G. DeCroix, and Y. Wang, “Allocation Policies based on Demand Aggregation in an Assemble-to-Order System.” Under revision, *Management Science*.
- F. Bernstein, G. Kök, and L. Xie, “The Role of Component Commonality in Product Assortment Decisions.” Under review, *Manufacturing and Service Operations Management*.

F. Bernstein, G. Kök, and L. Xie, “Dynamic Assortment Customization with Limited Inventories.” Working paper.

F. Bernstein, P. Guo, and Y. Wang, “Advance Purchase Contracts in a Multi-Location System with Transshipment.” Work in progress.

F. Bernstein and L. Marx, “Reservation Profit Levels and the Division of Supply Chain Profit.” Working paper.

F. Bernstein and P. Desai, “Price and Inventory Competition between New and Old Technologies.” Work in progress.

F. Bernstein, G. Kök, and A. Meca, “Cooperation in Assembly Systems: The Role of Knowledge Sharing.” Work in progress.

PRESENTATIONS

Invited Talks at Academic Institutions

IEOR, Columbia University, 2000

Fuqua School of Business, Duke University, 2000

Sloan School of Management, MIT, 2000

MS&E, Stanford University, 2000

Faculty of Commerce, University of British Columbia, 2000

INSEAD, 2000

London School of Economics, 2000

Johnson Graduate School of Management, Cornell University, 2000

John M. Olin School of Business, Washington University in St. Louis, 2000

University of Michigan Business School, 2000

University of Michigan, IOE Department, 2000

Tuck School of Business, Dartmouth College, 2000

Kellogg School of Management, Northwestern University, 2000

North Carolina State University, 2000

Universidad T. Di Tella, Buenos Aires, 2001

The Wharton School, University of Pennsylvania, 2001

Kenan-Flagler Business School, UNC, 2001

Graduate School of Business, University of Chicago, 2003

Weatherhead School of Management, Case Western Reserve University, 2003

Marshall School of Business, USC, 2003

University of Michigan, IOE Department, 2004

Stern School of Business, New York University, 2004

Graduate School of Business, Stanford University, 2004

Sauder School of Business, University of British Columbia, 2005

IESE, University of Navarra, 2005

Tepper School of Business, Carnegie Mellon University, 2006

Operations Research Center, MIT, 2006

School of Management, Yale University, 2007

Robert H. Smith School of Business, University of Maryland, 2007
Centro de Investigación Operativa, Universidad Miguel Hernández de Elche, 2007
Desautels Faculty of Management, McGill University, 2007
Tuck School of Business, Dartmouth College, 2007
Graduate School of Business, Columbia University, 2008
Johnson Graduate School of Management, Cornell University, 2008
Zaragoza Logistics Center, 2008
University of Miami, 2008
Graduate School of Business, Hong Kong Polytechnic University, 2009
Business School, Hong Kong University of Science and Technology, 2009
School of Business and Economics, Wilfrid Laurier University, 2009
Department of Statistics and Operations Research, UNC, 2009
Universidad T. Di Tella, Buenos Aires, 2009

Conference Presentations

- “Dynamic Cost Reduction through Process Improvement in Assembly Networks,”*
INFORMS Practice Conference, Baltimore, MD, Spring 2008.
ETJE Conference, Elche, Spain, Fall 2008.
- “Managing Operational Risks in Contract Manufacturing,”*
INFORMS National Meeting, Seattle, WA, Fall 2007.
INFORMS National Meeting, Pittsburgh, PA, Fall 2006.
- “Price and Inventory Competition between New and Old Technologies,”*
INFORMS National Meeting, Pittsburgh, PA, Fall 2006.
- “Analysis of Decentralized Multi-Product Assemble-to-Order Systems,”*
EURO XXII, Prague, July 2007
Fifth Annual Florida Supply Chain Conference, February 2006.
POMS Conference, Boston, MA, April 2006.
- “Allocation Policies based on Demand Aggregation in an Assemble-to-Order System,”*
MSOM Conference, Atlanta, GA, June 2006.
INFORMS National Meeting, San Francisco, CA, Fall 2005.
- “Reservation Profit Levels and the Division of Supply Chain Profit,”*
MSOM Conference, Chicago, IL, June 2005.
Fourth Annual Florida Supply Chain Conference, February 2005.
INFORMS National Meeting, Denver, CO, Fall 2004.
- “Free-Riding in a Multi-Channel Supply Chain,”*
MSOM Conference, Eindhoven, Netherlands, July 2004.
- “Decentralized Pricing and Capacity Decisions in a Multi-Tier System with Modular Assembly,”*
EURO/INFORMS Joint Meeting, Istanbul, Turkey, July 2003.
INFORMS National Meeting, Atlanta, GA, Fall 2003.
- “Inventory Policies in a Decentralized Assembly System,”*
MSOM Conference, Los Angeles, CA, June 2003.

“Allocation of Long Term Supply Contracts with Service Level Guarantees,”

Frank Batten Forum, Williamsburg, VA, July 2002.

INFORMS National Meeting, San Jose, CA, Fall 2002.

“Decentralized Supply Chains with Competing Retailers under Demand Uncertainty,”

INFORMS National Meeting, Miami, FL, Fall 2001.

“Pricing and Replenishment Strategies in a Distribution System with Competing Retailers,”

INFORMS National Meeting, Philadelphia, PA, Fall 1999.

TEACHING

Duke University

Operations Management	Duke Goethe Executive MBA (core)
Operations Management	Cross Continent Executive MBA (core)
Operations Management	Global Executive MBA (core)
Distribution and Supply Chain Management	MBA (elective)
Distribution and Supply Chain Management	Weekend Executive MBA (elective)
Distribution and Supply Chain Management	Cross Continent Executive MBA (elective)
Distribution and Supply Chain Management	Global Executive MBA (elective)
GATE: South America	MBA (elective)
Supply Chain Modeling	PhD Seminar
Optimization	PhD Seminar

DISSERTATION COMMITTEES AND DOCTORAL STUDENTS

Duke University

Lei Xie (co-advisor)
Canan Ulu (2007)
Yulan Wang (2006) (co-advisor)
Xiaona Zheng (2005) (co-advisor)
Marie Matta (2004)
Mark Ferguson (2001)

Universidad Miguel Hernández de Elche (Spain)

Luis A. Guardiola Alcalá (2007)

RESEARCH GRANTS AND DISTINCTIONS

Grant awarded by the Ministerio de Ciencia e Innovación (Ministry of Science and Innovation) of the Government of Spain. The grant is for a group of 8 researchers working on the topic of Game Theory and Applications to Management. The amount of the grant is €5,539 for three years starting Jan. 1, 2009.

Meritorious Service Award by Operations Research for the year 2008.

Meritorious Service Award by M&SOM for the years 2004, 2007, and 2008.

Finalist -- 2004 Junior Faculty Interest Group (JFIG) Paper Competition for “Competition for Procurement Contracts with Service Guarantees.”

Frank L. Batten Young Scholar, awarded by the Operations and Information Technology group at the College of William and Mary, 2002.

Participant, INFORMS Doctoral Colloquium, Philadelphia, November 1999.

Asenath Marie and Duncan Merriwether Fellow, Graduate School of Business, Columbia University, New York, NY.

Columbia Business School Dean’s list, Columbia University, New York, NY, 1996 – 1997.

Full Tuition and Fellowship, Graduate School of Business, Columbia University, New York, NY.

Student Research Grant, Department of Mathematics, University of Buenos Aires, Argentina, 1994 – 1995.

Outstanding Youth Award, given by the Buenos Aires Stock Exchange Foundation, Buenos Aires, Argentina, 1993.

SERVICE

University Service

Operations Management PhD Committee Chair, Duke University 2005-present

Operations Management PhD Committee, Duke University 2002-2005

Duke University Center for International Studies, Duke University, 2007-present

Curriculum Committee, Duke University, 2008-present

Ad-hoc promotion and tenure committees

Professional Service

Associate Editor, *Operations Research*.

Associate Editor, *Manufacturing & Service Operations Management*.

Associate Editor, *Management Science*.

Associate Editor, *Naval Research Logistics*.

Senior Editor, *Production and Operations Management*

Editorial Board: *Production and Operations Management, Decision Sciences Journal.*

Referee for Journals: *Management Science, Operations Research, IIE Transactions, European Journal of Operational Research, Naval Research Logistics, INFOR.*

M&SOM Sponsored Session Chair, INFORMS National Meeting, Atlanta, GA, Fall 2003.

Discussant at the Multi-Echelon Conference, June 2003.

Judge for the 2004, 2005, 2006, 2007, 2008, and 2009 M&SOM Student Paper competitions.

Judge for the 2008 and 2009 Production and Operations Management Student Paper competitions.

M&SOM Sponsored Session Chair, INFORMS National Meeting, Pittsburgh, PA, Fall 2006.

Judge for the 2006, 2007, and 2009 Junior Faculty Interest Group competitions sponsored by INFORMS.

Secretary/Treasurer, M&SOM Society of INFORMS, July 2006 to June 2007.