

# Fernando G. Bernstein

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## PROFESSIONAL EXPERIENCE

*Duke University, The Fuqua School of Business*  
Professor, July 2010 – present  
Associate Professor, July 2004 – June 2010  
Assistant Professor, July 2000 – June 2004

## EDUCATION

*Columbia University, New York, NY*  
Graduate School of Business  
Ph.D., Operations Management, 2001

*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 (2009), “Free-Riding in a Multi-Channel Supply Chain.” *Naval Research Logistics*, 56, 8, 745–765.
- F. Bernstein (2009), “Pricing and Replenishment Decisions.” Invited survey chapter. Forthcoming in the *Wiley Encyclopedia of Operations Research and Management Science*.
- F. Bernstein, G. Kök, and L. Xie, “The Role of Component Commonality in Product Assortment Decisions.” Forthcoming, *Manufacturing and Service Operations Management*.

### **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 and L. Marx, “Reservation Profit Levels and the Division of Supply Chain Profit.” Working Paper.
- F. Bernstein, G. Kök, and L. Xie, “Dynamic Assortment Customization with Limited Inventories.” Working Paper.

## 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  
IESE, University of Navarra, 2010

## **Conference Presentations**

INFORMS Practice Conference, Baltimore, MD, Spring 2008.  
ETJE Conference, Elche, Spain, Fall 2008.  
INFORMS National Meeting, Seattle, WA, Fall 2007.  
INFORMS National Meeting, Pittsburgh, PA, Fall 2006.  
EURO XXII, Prague, July 2007  
Fifth Annual Florida Supply Chain Conference, February 2006.  
POMS Conference, Boston, MA, April 2006.  
MSOM Conference, Atlanta, GA, June 2006.  
INFORMS National Meeting, San Francisco, CA, Fall 2005.  
MSOM Conference, Chicago, IL, June 2005.  
Fourth Annual Florida Supply Chain Conference, February 2005.  
INFORMS National Meeting, Denver, CO, Fall 2004.  
MSOM Conference, Eindhoven, Netherlands, July 2004.  
EURO/INFORMS Joint Meeting, Istanbul, Turkey, July 2003.  
INFORMS National Meeting, Atlanta, GA, Fall 2003.  
MSOM Conference, Los Angeles, CA, June 2003.  
Frank Batten Forum, Williamsburg, VA, July 2002.  
INFORMS National Meeting, San Jose, CA, Fall 2002.  
INFORMS National Meeting, Miami, FL, Fall 2001.  
INFORMS National Meeting, Philadelphia, PA, Fall 1999.

## **TEACHING**

### *Duke University*

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| 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

Excellence in Teaching Award, Duke-Goethe Executive MBA program, Class of 2010.

Research grant awarded by the Ministry of Science and Innovation of the Government of Spain.

Distinguished Service Award by Management Science for the year 2010.

Meritorious Service Award by Management Science for the year 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 2005-2010

Operations Management PhD Committee, Duke University 2002-2005

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

Curriculum Committee, Duke University, 2008-2010

Ad-hoc promotion and tenure committees

### Professional Service

Associate Editor, *Operations Research*, 2006-present.

Associate Editor, *Manufacturing & Service Operations Management*, 2006-present.

Associate Editor, *Management Science*, 2007-present.

Associate Editor, *Naval Research Logistics*, starting 2009.

Senior Editor, *Production and Operations Management*, starting 2009.

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*.

Panelist at the Behavioral & Quantitative Game Theory Conference, May 2010.

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 POM 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.